

Manager Coordinating Brownfield Redevelopment Activities

CENTRAL EUROPE Project 1CE014P4 COBRAMAN

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Traning Handbook

WP No. 4 Output No. 4.3.2

Prepared by: Bettina Schug & Thomas Ertel

last update: November 2011









TRAINING HANDBOOK

Nr.	Contents:
1	Training Plan
	Participants contact Details
2	1 st seminar
	Bydgoszcz (0607. October 2009)
3	2 nd seminar
	Most (2526. November 2009)
4	3 rd seminar
	Ostrava (1011. February 2010)
5	4th seminar
	Ferrara (1920. May 2010)
6	5th seminar
	Usti (2122. September 2010)
7	6th seminar
	Ljubljana (16. May 2011)
8	7th Wrap-up seminar
	Vienna (10. October 2011)
8	Online seminars:
	1 st online seminar 12. November 2009
	2 nd online seminar 21 January 2010





1. Training Plan

1.1. Preface

The training plan was set up in the responsibility of PP2 Stuttgart by et environment and technology Dr. Thomas Ertel, Esslingen. The draft version has been finally discussed and approved by the partners in the WP4 preparation meeting held in Stuttgart on 20th of May 2009.

It is to be considered as a document to be further developed according to the progress of the work in detailing the seminar programme for the single trainings, getting agreement from additional experts to contribute as trainers, etc.

Document in hands is the third update set up on October 2011.

1.2. Format of seminars

- duration +/- 2 days
- ½ day site visit obligatory
- · connection to local pilots
- 15 25 participants as optimal group size
- · extension via e-learning as far as possible
- · additional participants e.g. from associated institutions possible

1.3. Participants

PP	Partner	WP Res-	Training Participants –	Email address
nr.		ponsible	Brownfield managers	
LP	City of	Katarzyna	1. Hanna Lewandowska	h.lewandowska@um.bydgoszcz.pl
	Bydgoszcz	Napierala	2. Natalia Weckwert	n.weckwert@um.bydgoszcz.pl
			3. Dragan Marinkovic	dragmarkg@gmail.com
2	City of	Regine Zinz	1. Regine Zinz	regine.zinz@stuttgart.de
	Stuttgart		2. Michael Schweiker	michael.schweiker@stuttgart.de
			3. Matthias Schmid	matthias.schmid@stuttgart.de
			4.Maren Gunzenhäußer	Maren.Gunzenhaeusser@stuttgart.de
			5. Iwona Pelka	iwona@et-ertel.de
3	University of	Dominika	1. Dominika	dominika.muszynska@tih.pl
	Bydgoszcz	Muszynska-	Muszynska-Jeleszynska	
		Jeleszynska	2. Magdalena Jasinska	magdalena.jasinska@byd.pl
			3. Zuzanna Zacniewska	zuzanna.zacniewska@byd.pl
4	City of Most	Karel	1. Jaroslav Krch	jaroslav.krch@mesto-most.cz
		Borecky	2. Tomáš Fiala	tomas.fiala@mesto-most.cz
5	VSB-	Alena	1. Hana Franková	hanny.frankova@seznam.cz
	University	Labodova	2. Lukasz Pierzchala	luku19@wp.pl
	Ostrava		3. Edyta Sierka	esierka@us.edu.pl
			4. Dana Žampachová	zampachova.dana@seznam.cz
			5. Kamila Kašovská	kamila.kasovska.st@vsb.cz
6	City of Kranj	Janez	1. Janez Ziherl	janez.ziherl@kranj.si
		Ziherel	2. Ana Gradišar	ana.gradisar@kranj.si
			3. Primoz Skrt	Primoz.Skrt@kranj.si
7	Usti nad	Marta	1. Marta Saskova	marta.saskova@mag-ul.cz
	Labem City	Saskova	2. Martina Splichalova	martina.splichalova@mag-ul.cz
			3. Sven Czastka	czastka.s@kr-ustecky.cz





PP	Partner	WP Res-		Email address
nr.		ponsible	Brownfield managers	
8	SIPRO-	Chiara	1. Chiara Franceschini	chiara.franceschini@siproferrara.com
	Ferrara	Franceschini	2. Gianluca Bortolotti	gianluca.bortolotti@siproferrara.com
9	UPI	Boštjan Cotič	1. Boštjan Cotič	bostjan.cotic@uirs.si
	Ljubljana		2. Barbara Mušič	barbara.music@uirs.si

1.4. Seminars time schedule

1.4.1 face to face training seminars

Meeting	Place	Date	Topic
Preparation	Stuttgart	20.05.2009 Training Plan	
1. Training	Bydgoszcz	06. – 07.10 2009	Basics & Roadmap
2. Training	Most	25. – 26.11.2009	Management Instruments & Tools
3. Training	Ostrava	10 11.02.2010	Civil Eng. / Env. Technologies
4. Training	Ferrara	19 20.05.2010	Economic Aspects
5. Training	Usti	2122.09.2010	Communication & Marketing
6. Training	Ljubljana	17.05.2011	Planning Aspects & Sustainability
7. Training	Vienna	12.10.2011	Wrap up Seminar

1.4.2 web-training / e-learning seminars

Meeting	Place	Date	Topic
1. web-meeting	virtual	12.11.2009	Introduction to e-learning, management tools
2. web meeting	virtual	21.01.2010	

1.5. Key topics to be covered

Basics and roadmap

- Main tasks of a brownfield manager
- · Basic skills and requirements
- Job description
- Administrative and organisational aspects
- Management instruments
- Main working tools
- Horizontal issues process facilitation

Economic aspects

- Basics of real estate economics to achieve a proper understanding and a common language
- Financing and funding instruments
- PPP
- Facility Management and long term operational aspects
- Land valuation of brownfields
- Dealing with the risks insurance models
- Calculation of overall costs life cycle costs





European funding instruments like Jessica, Jeremy, ect.

Civil engineering / environmental technologies

- Deconstruction of buildings
- · Dealing with Contamination, remediation
- Geotechnics
- Main infrastructure works
- Water management
- Soil protection
- Protection and creation of habitats
- · Technical aspects of Industrial heritage

Communication & marketing

- Communication strategy and plan
- Stakeholder involvement participative approaches
- · Marketing of brownfields
- · Creating an image
- · Securing political dialogues

Planning aspects & sustainability

- Sustainable urban development key topics
- Management of planning processes in urban redevelopment
- Main bottlenecks tackling key problems
- Participatory planning
- · Industrial heritage and architecture
- Dealing with natural assets
- Landscape aspects
- Social aspects

Management instruments & tools

- Basics in general project management and project development
- The brownfield SWOT
- Management plan organising the jigsaw puzzle
- · Information and documentation
- The link to policy
- Role plays and best practice

1.6. Pool of trainers

Each partner nominated potential trainers which agreed to contribute. There trainers are recruited as staff of

- Project Partners
- Associated institutions or as
- · External experts involved in local projects

PP nr	Partner	Nominated experts	Title of contribution	Date of Seminar
LP	City of Bydgoszcz	Mr. Wojciech Irminski, Ramboll Group Poland	The Old Gaswork in Bydgoszcz – history of land and water enivironment polution's research	Bydgoszcz, 0607.10.2009
LP	City of Bydgoszcz	Mr. Gerard Jilleba, City of Hengelo, NL	Managing brownfield development projects	Bydgoszcz, 0607.10.2009





PP nr	Partner	Nominated experts	Title of contribution	Date of Seminar
LP	City of Bydgoszcz	Dragan Marinkovic	The experience of regeneration in Kragujevac - the remediation of Zastrava factory	Ferrara, 1920.05.2010
2	City of Stuttgart	Mr. Petermann, WHS GmbH Ludwigsburg	Overview about the Facility Management and Economic feasibility study	Ferrara, 1920.05.2010
2	City of Stuttgart	Jörgen Treiber		Vienna, 12.10.2011
3	University of Bydgoszcz	Mrs. Sabine Kalke, City of Belfast, UK	Belfast experience	Bydgoszcz, 0607.10.2009
4	City of Most	Mr. Craig Mortimer, Aquatest	Land reclamation / techniques and environmental issues	Most, 2526.11.2009
5	VSB University of Ostrava	Mr., Mrs. Raclavska	Geochemistry and Brownfields Geotechnical aspects of Brownfields	Ostrava, 1011.02.2010
5	VSB University of Ostrava	Mrs. Barbara Vojvodikova	Structures on brownfields	Ostrava, 1011.02.2010
5	VSB University of Ostrava	Mr. Milos Matej	Brownfields and cultural heritage	Ostrava, 1011.02.2010
5	VSB University of Ostrava	Mrs. Svehlakova	Natural assets/ nature conservation aspects	Ostrava, 1011.02.2010
5	VSB University of Ostrava	Mrs. Monika Kosulicova and Hana Pavlu	Stepwise Approach to Brownfield Remediation	Ostrava, 1011.02.2010
6	City of Kranj			
7	City Usti	Mr. Jan Votocek	Project Management Plan	Most, 2526.11.2009
7	City Usti	Mrs. Jirina Bergatt Jackson (Brownfiled expert)	SWOT for What	Most, 2526.11.2009
7	City Usti	Mrs. Jirina Bergatt Jackson	Usti Brownfield Redevelopment Strategy; Stakehodler's involvement; Game: understanding stakeholders involvement	Usti, 2122.09.2010
7	City Usti	Ms. L. Sindelarova, DTZ Czech	Marketing of brownfield properties	Usti, 2122.09.2010
7	City Usti	Mr. Miroslav Bartak	Elements of marketing for public sector	Usti, 2122.09.2010
7	City Usti	Mr. Carsten Debes, District of Zwickau	ReSource for Cobraman Activities relevant for brownfiled managers	Usti, 2122.09.2010
7	City Usti	Mr. Frank Leipe (LEG Thüringen)	Promoting Brownfields- the Approach of the State Development Corporation	Usti, 2122.09.2010





PP nr	Partner	Nominated experts	Title of contribution	Date of Seminar
			of Thuringia	
7	City Usti	Mr. Martin Duris, PBA Czech rep.	Brownfields in UK and Czech Republic an enginner's experience	Usti, 2122.09.2010
7	City Usti	Mr. Olaf Penndorf	Brownfield register as a mobilizing regional planning tool	Usti, 2122.09.2010
7	City Usti	Mrs. Michaela Zackova, KPMG Czech Rep.	Case studies- brownfields in the Czech Republic and abroad	Usti, 2122.09.2010
7	City Usti	Mr. Jaroslav Koutsky	Creative cities and soft factors of development-ideological context of brownfields regeneration	Usti, 2122.09.2010
7	City Usti	Mrs. Blanka Markova	Ostrava- reactivating brownfields by culture	Usti, 2122.09.2010
8	SIPRO Ferrara	Mr. Antonello Stella	Civil engineering, restoration of buildings, urban planning	Ferrara, 1920.05.2010
8	SIPRO Ferrara	Mr. Paolo Rela	Basics of real estate economics: the experience of Europa Risorse	Ferrara, 1920.05.2010
8	SIPRO	Mr. Piero Atella	PPP and Project finance the experience of Fondo PPP Italia	Ferrara, 1920.05.2010
9	UPI Ljubljana		Financial aspects, PPP	
9	UPI Ljubljana	Mr. Ivan Stanic, City of Ljubljana	Partnership Šmartinska Ljubljana – the city in motion	Ferrara, 1920.05.2010
9	UPI Ljubljana	Mr. Mojca Sasek Divjak, IURS		Ljubljana, 17.05.2011
9	UPI Ljubljana	Mrs. Kaliopa Dimitrovska Andrews, UIRS	Urban Planning	Ljubljana, 17.05.2011
9	UPI Ljubljana	Mr. Matej Niksic, UIRS	Integrated urban Design	Ljubljana, 17.05.2011





2. 1st Seminar Bydgoszcz 06.-07.October 2009

2.1 Agenda of training seminar

Tues 6th of 0	sday October	The First Brownfield Manager training seminar	
tin	ne	topic	speaker
9:00	9:30	Introduction, state of knowledge gained through previous projects, topic: tasks and responsibilities of a brownfield manager	Thomas Ertel
9:30	10:15	Team work/discussion aiming to develop the COBRAMAN definition for tasks and responsibilities	all participants
10:15	10:30	State of knowledge gained through previous projects, topic: skills and abilities of a brownfield manager	Thomas Ertel
10:30	11:00	Team work/discussion aiming to develop the COBRAMAN definition for skills and abilities	all participants
11:00	11:15	Coffee break	
11:15	12:00	legal framework of COBRAMAN thematic fields of interaction	Thomas Ertel
12:00	13:00	Lunch	
13:00	13:45	presentation external expert Gerard Jillebar	Gerard Jillebar
13:45	15:30	presentation external expert Sabine Kalke	Sabine Kalke
15:30	15:45	Coffee break	
15:45	17:15	speed-dating with experts	all participants and experts
17:15	17:45	conclusions of fist day leading to COBRAMAN job description	Thomas Ertel
Wednes of Oct	-	The First Brownfield Manager training seminar	
9:00	10:30	site bulletin, summary reports - access to information	Thomas Ertel
10:30	11:00	Coffee break	
11:00	12:30	brownfield SWOT	Regine Zinz
12:30	13:00	evaluation of seminar	Thomas Ertel
13:00		lunch and excursion at Mill Island, open end	

2.2. COBRAMAN Job description





2.2.1. Introduction, state of knowledge gained through previous projects, topic: tasks and responsibilities of a brownfield manager



2.2.2. State of knowledge gained through previous projects, topic: skills and abilities of a brownfield manager







Tasks and related skills	generic	technical	communication
Coordination of revitalization process within the municipal structures.	X	×	×
Time and resources management.	×		
Quality assurance and quality control.	×	×	
Efficient internal communication.			X
Coordinating information flow and work at any step in the development process.	×		×
Securing sustainability of well established information channels (personal contacts!).			×
Setting up and leading interdisciplinary working group	×		X
Preparation of SWOT and development visions.		Х	
Securing that development plan which recognize existing policy, build on local needs and expectation.			×
"One stop shop" for investors as well as for site owners.			×
Acting as interface between policy makers and the technical specialists.		х	X
Involving community/neighborhood and other stakeholders in redevelopment process.			X
Marketing and branding.			×

CABERNET list 'of key skills/abilities for a brownfield process manager

Ability to organize a multidisciplinary team

COBRAMAN environment and technology

- Communication and mediation skills
- Consensus builder
- Consultative skills
- 5. Creativity
- Decisiveness
- Deductive reasoning and forecasting based on past experience
- 8. Dependability (deadlines and commitments)
- Diplomacy and tract
- 10. Empathy

- 11. Expertise
- 12. Flexibility/adaptability
- 13. Good listener
- 14. Good negotiator
- 15. Lateral and critical thinker
- 16. Leadership abilities
- 17. Mobilize local support
- 18. Pro-active, energy and enthusiasm
- 19. Realistic
- 20. Rhetorical abilities
- 21. Thoroughness, attention to detail

2.3. Legal framework of COBRAMAN thematic fields of interaction

2.3.1 EU-Policies influencing brownfield remediation

Territorial Agenda of the EU Short policy paper incl. recommendations for an integrated

CABERNET Position Paper – Professional Skills in brownfield Regeneration, 1st Editions (April, 2005)





spatial development policy aims at mobilising the potentials of European regions and cities for sustainable economic growth and more jobs.

European Spatial Development Perspective (**ESDP**) - Towards Balanced and Sustainable Development of the Territory of the European Union Sets general targets and minimum environmental standards through mandatory "Directives". Provides analysis and recommendations of member policies.

- Parity of Access to Infrastructure and Knowledge
- Wise Management of the Natural and Cultural Heritage

Leipzig Charter on Sustainable European Cities

- Integrated urban development should be applied throughout Europe and, in order to be able to do so, the appropriate framework for this should be established on a national and European level.
- Deprived urban neighbourhoods must increasingly receive political attention within the scope of an integrated urban development policy. Europe must reach all of its citizens.

2.3.2 EU Thematic Strategies

Thematic Strategy on the **Urban Environment**

- Guidance on integrated environmental mana-gement and on sustainable urban transport plans.
- Training
- Support for EU wide exchange of best practices.
- Commission internet portal for local authorities.

Communication "Towards a Thematic Strategy on **Soil Protection**" (COM(2002) 179) eight threats to which soils in the EU are confronted:

- 1. erosion,
- 2. organic matter decline.
- 3. contamination,
- 4. salinisation,
- 5. compaction,
- 6. soil biodiversity loss,
- 7. sealing,
- 8. landslides and flooding.

2.3.3 EU Directives Affecting COBRAMAN

Polluter-pays principle at EU level was introduced in the European Community Treaty. Environmental Assessment:

- SEA Directive 2001/42EC Strategic Environmental Assessment
- EIA Directive 85/33/EEC as amended by 97/11/EC Environmental Impact Assessment

Nature & Biodiversity

- FFH Directive 92/43/EEC conservation of natural habitats and of wild fauna and flora
- Birds Directive 79/409/EEC conservation of wild birds.

Aarhus Convention

- Directive 2003/4/EC on public access to environmental information
- Directive 2003/35/EC for public participation in respect of the drawing up of certain plans and programmes relating to the environment

New Air quality directive

Air quality Directive 2008/50/EC new air quality objectives for PM2.5 (fine particles) including the limit value and exposure related objectives – exposure concentration obligation and exposure reduction target





Environmental Noise Directive 2002/49/EC

- Monitoring the environmental problem
- Informing and consulting the public
- Addressing local noise
- Developing a long-term EU strategy
- Finances
- Commission interpretative communication on the application of Community law on Public
- Procurement and Concessions to institutionalised PPP (IPPP) 2008/C 91/02
- Public procurement Directive 2004/18/CE and Directive 2004/17/CE

Regulation (EC) No 1370/2007 on public passenger transport services by rail and by road

2.4 The site bulletin









Site review Schoch-Areal Stuttgart

- 1. Rational and goals (as stated before)
 - Structuring available information
 - Bringing all working group members to the same level of knowledge
 - Basis for SOWT and vision development
 - Basis for marketing communication activities
- 2. Project site and his surrounding / Makrosite
 - Location within the city
 - · Background project name, delineation neighborhood
 - · How does it look "on site"
 - · Development plans of neighborhood/wider surrounding
- 3. Historical and current use of the site
 - Type of use
 - Ownerships
 - · Site specifics?
- 4. Conflicts and constrains for developments
 - Contamination Ü remediation
 - Heritage/nature protection
 - General urban planning constrains (fresh air corridors, green belts, large scale future
 - projcets,...)
 - Ownership structure, pre-emption rights
 - Political interests
- 5. Current state of planning
 - General planning principles of the city
 - · Existing framework planning
 - Building plan
 - Development plan
 - Transport planning
 - Annex: all related planning documents
- 6. Related investigations (if existing)
 - External expertise / feasibility studies dealing with various planning options
 - Cost benefit models of various land use options
 - ...any other expertise which is closely related in terms of location as well as in terms of
 - "circumstandces" to the development site





- 7. Current development / realisation of pre-emption right
 - Current planning development (incl. political/public interest)
- 8. Strength and visions for development please refer to the chapter SWOT in this document
- 9. Requirements for preparation of land for building
 - Geology
 - Soil and groundwater contamination
 - Remediation concepts
 - Legislation relevant contaminated soil
 - Foundation
 - Social infrastructure
- 10. Technical activities for preparation of land for building
 - Demolition of buildings
 - Demolition of infrastructure
 - New local public infrastructure
 - Geotechnical investigation
 - Explosive ordnances investigation
- 11. Impact assesment of building activities
 - Occupational health and safety
 - Neighbourhood
 - Nature conservation
- 12. Financial aspects
 - PPP or other form of organisation
 - Marketing concept
 - Risk analysis
 - Project costs
 - Financing and Revenues
- 13. Time planning
 - Are there already any fix dates?
 - Are there any ongoing activities which might affect the schedule of project development
 - Definition of milestones
 - Definition of critical stages
 - ..
 - · Draft of project development schedule
- 14. Summary and conclusions

have to updated regularly in parallel to the work progress

- Summary of decisions taken within the interdisciplinary working group regarding direction
- of development
- · Identification of next steps to be taken
- 15. Bibliography / Annexes
 - · Literature cited
 - Name and storage location of related expertise/reports
 - Overview table of people or organisations/departments already involved or contacted in
 - · connection to the brownfield site





Contact details of responsibles of various organisations/departments

2.5. SWOT Weaknesses Strengths W S Threats 0 COBRAMAN STUTIGART **C) 2000** CORRAMAN STUTIGART CORRA MENT W W S windmill principle: "the stronger, the faster" strong stakeholders proyoke development Example Schoch-Area 0 COBRAMAN STUTTGART COBRAMAN STUTIGART 4 CHARA METERS CORNINA DE TRANS S Brownfield-SWOT-Matrix_ microsite aspects acategosi aspecia scoop & ruitsoni aspecia Stakeholders slowing down development, - barriers established COBRAMAN STUTIGART 4 O 8884 E COBRAMAN STUTIGART C)8884 -





Brownfield-SWOT-Matrix_ macrosite aspects

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Charles III

Brownfield-SWOT-Matrix_ stakeholder engagement

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3. 2nd Seminar Most 25.-26.November 2009

3.1. Agenda of training seminar

25 of	/ednesday 5 of		
time		topic	speaker
13:15	15:00	1. Interdisciplinary working group (IWG) - Identification of right persons to join the interdisciplinary working group, clarification of responsibilities and decision power, internal rules of decision making proces, rules in case of conflicts etc.	Dr. Thomas Ertel
15:00	15:15	Coffee break	
15:15	17:00	Legal framework - EU wide legal aspect related to the daily work of a brownfield manager.	Dr. Thomas Ertel
Thurse 26th o		2 nd Brownfield manager training s	seminar
Noven	nber		
09:00	11:00	1. Basics in general project management and project development - key elements of a project management plan and recapitulation of site review and SWOT in connection to brownfield redevelopment.	
11:00	11:15	Coffee break	<u> </u>
11:15	13:00	Practical work on the issues project management, site rewiew and SWOT PART I. Working group 1: project management plan Working group 2: site review Working group 3: SWOT	
13:00	14:00	Lunch	
14:00	15:30	Practical work on the issues project management, site rewiew and SWOT PART II. Working group 1: project management plan Working group 2. site review Working group3: SWOT	
15:30	15:45	Coffee break	
15:45	17:00	Presentation of results of the three working groups, 15 min each group.	
17:00	17:30	Final feedback and next steps.	





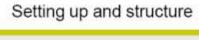
3.2. Seminar Themen

3.2.1. Interdisciplinary working group (IWG) - Identification of right persons to join the interdisciplinary working group, clarification of responsibilities and decision power, internal rules of decision making proces, rules in case of conflicts etc.









Members of the group

- Giving a list of names, departments and contact details, as well as indication of responsibilities.
- Permanent members as well as potential part time members should be listed.
- The possibility to include new members from other departments should also be mentioned here.





Setting up and structure

Taking part in the meeting

provisions for stand-ins
 Regular members are expected to take part but in
 case they are not able a competent
 representative should be participating with same
 rights for decision taking.

COBRAMAN & Acceptance and CENTRAL CONTRAL

Setting up and structure

Rights and duties of IWG

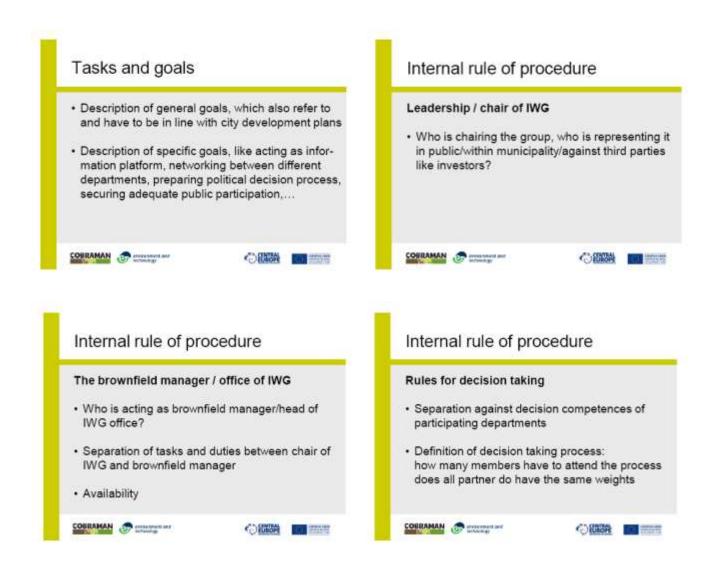
- Meeting schedule (min. frequency of meetings) and reporting duties
- · Location within hieratical structure of municipality
- Definition of decision competences of the IWG (which decisions can be taken within the group and which decision can only be prepared)













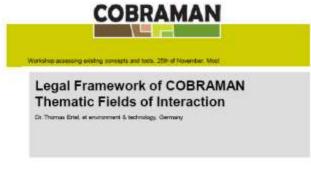
3.2.2. Legal framework - EU wide legal aspect related to the daily work of a brownfield manager.

















EU-Policies influencing brownfield remediation

Territorial Agenda of the EU

Short policy paper incl. recommendations for an integrated spatial development policy aims at mobilising the potentials of European regions and cities for sustainable economic growth and more jobs.









EU-Policies influencing brownfield remediation

Leipzig Charter on Sustainable European Cities

- · Integrated urban development should be applied throughout Europe and, in order to be able to do so, the appropriate framework for this should be established on a national and European level.
- · Deprived urban neighborhoods must increasingly receive political attention within the scope of an integrated urban development policy. Europe must reach all of its citizens.









EU-Policies influencing brownfield remediation

European Spatial Development Perspective ESDP Towards Balanced and Sustainable Development of the Territory of the European Union

Sets general targets and minimum environmental standards through mandatory "Directives".

Provides analysis and recommendations of member policies.

- Parity of Access to Infrastructure and Knowledge
- · Wise Management of the Natural and Cultural Heritage







EU Thematic Strategies

Thematic Strategy on the Urban Environment

- Guidance on integrated environmental management and on sustainable urban transport plans.
- Support for EU wide exchange of best practices.
- Commission internet portal for local authorities.

COBRAMAN @ CTTTTT











EU Thematik Strategies

Communication "Towards a Thematic Strategy on Soil Protection* (COM(2002) 179)

eight threats to which soils in the EU are confronted:

- 5. compaction,
- 2. organic matter decline, 6. soil biodiversity loss,

- 3. contamination,
- 7. sealing,
- 4. salinisation. 8. landslides and flooding.









EU Directives Affecting COBRAMAN

Polluter-pays principle

Directive 2004/35/EC on environmental liability with regard to the prevention and remedying of environmental damage









EU Directives Affecting COBRAMAN

Environmental Assessment

- · SEA Directive 2001/42EC Strategic Environmental Assessment
- EIA Directive 85/33/EEC as amended by 97/11/EC Environmental Impact Assessment









EU Directives Affecting COBRAMAN

Nature & Biodiversity

- · FFH Directive 92/43/EEC conservation of natural habitats and of wild fauna and flora
- · Birds Directive 79/409/EEC conservation of wild birds











EU Directives Affecting COBRAMAN

Aarhus Convention

- Directive 2003/4/EC on public access to environmental information
- Directive 2003/35/EC for public participation in respect of the drawing up of certain plans and programmes relating to the environment









EU Directives Affecting COBRAMAN

New Air quality directive

Air quality Directive 2008/50/EC new air quality objectives for PM2.5 (fine particles) including the limit value and exposure related objectives exposure concentration obligation and exposure reduction target













EU Directives Affecting COBRAMAN

Environmental Noise Directive 2002/49/EC

- Monitoring the environmental problem
- · Informing and consulting the public
- · Addressing local noise
- · Developing a long-term EU strategy









EU Directives Affecting COBRAMAN

Finances

- · Commission interpretative communication on the application of Community law on Public Procurement and Concessions to institutionalised PPP (IPPP) 2008/C 91/02
- Public procurement Directive 2004/18/CE and Directive 2004/17/CE









EU Directives Affecting COBRAMAN

Regulation (EC) No 1370/2007 on public passenger transport services by rail and by road









EU Directives / national law

COBRAMAN goal

Setting up a catalogue with national chapters to guide COBRAMAN through all national regulations/laws which are national translation of EU directives/policies.

homework

Each partner compiles a list of national regulations / laws









Final layout of catalogue

country	code of EU directive	notional law	enort euronary (angres)	ourseasy and exprenation now to apply is practice (national language)
0	FPH DRIVEN SONAISED DONGENASION OF TRAINER HARRISO AND FORE AND FORE FORE FORE FORE TO AND TRAINE TO AND TRAINE AND FORE TO AND TRAINE TO AND TRAINE AND TRAINE AND TRAINE AND TRAINE AND TRAINE AND TRAINER TO AND TRAI	Pederal habre Contentation Act 8512 ff Shorto	air modul dissessment of business harvework pains in encessame in case the plans could attend application year protection area. In case the plan furite out its application years to experimentation. The expect assessment applies on planning level or on propert level.	Spanightins, die geeigneil eine van Schrädige entwicklie zu seinschlichtigen, was ein verscheinstellung einer Verdagsonkeitigenung jung Statt zu seinstellung. Die Fran in unspalablie zu seinstellung. Die Fran in unspalablie zu seinstellung bei wird agentralistigkeit der der Anzeiter die Webfagenhantigkeitling sonen im Ammeri die Spalieigner werden eine Bereiten erstellte word aber in Ebergheitengungsvertraries von der der Spalieitlichte der der einem mittig gegin. Anzeite jedech wird ein Außerbereiten sigt, siem nosige die Außerbereiten sigt, siem nosige der Außerbereiten sigt, siem nosige der Schagenstellungsgeserblinkeit andragen.



- 3.2.3. Basics in general project management and project development key elements of a project management plan and recapitulation of site review and SWOT in connection to brownfield redevelopment.
- 3.2.4. Practical work on the issues project management, site rewiew and SWOT PART I.
 - Working group 1: project management plan
 - Working group 2: site review





- Working group 3: SWOT
- 3.2.5. Practical work on the issues project management, site rewiew and SWOT PART
 - Working group 1: project management planWorking group 2. site reviewWorking group3: SWOT





3.3. List of participants



Annual Project Meeting, COBRAMAN, 1CE014P4 City of Most, Czech republic, 23.-26.11.2009

COBRAMAN Annual Project Meeting

List of Participants

Name:

- 1 Agnieszka Goździewska
- 2 Alena Labodová
- 3 Ana Gradišar
- 4 Barbara Černič Mali
- 5 Barbara Mušič
- 6 Barbara Stalmachová
- 7 Boštjan Cotič
- 8 Chiara Franceschini
- 9 Dana Žampachová
- 10 Dominika Muszyńska
- 11 Edyta Sierka
- 12 František Jirašek
- 13 František Krurik
- 14 Grzegorz Boroń
- 15 Gianluca Bortolotti
- 16 Hana Franková
- 17 Hanna Lewandowska
- 18 Henrike Fisher
- 19 Inga Katlewska
- 20 Iva Makurová
- 21 Iwona Pelka
- 22 Jakub Tadych
- 23 Jakub Verner
- 24 Jan Votoček
- 25 Janez Ziherl

26 Jaroslav Krch

Name:

27 Jiřína Bergatt Jackson

Most, 23-26 November 2009

- 28 Jitka Andršová
- 29 Karel Borecky
- 30 Kamila Kašovská
- 31 Kamila Vávrová
- 32 Linda Hasmanova
- 33 Lukasz Pierzchala
- 34 Maren Gunzenhäußer
- 35 Marta Saskova
- 36 Magdalena Jasińska
- 37 Michael Schweiker
- 38 Miroslava Bendová
- 39 Monika Košuličová
- 40 Natalia Weckwert
- 41 Primož Skrt
- 42 Petr Nikolič
- 43 Roman Danel
- 44 Sven Czastka
- 45 Tereza Dostalova
- 46 Thomas Ertel
- 47 Tomos Frak
- 48 Zdeněk Neustupa
- 49 Zuzanna Zacniewska





1





4. 3rd Seminar Ostrava 10.-11. February 2010 4.1. Agenda of training seminar

Tuesday 9th of February		3 rd Brownfield manager training seminar		
time		topic	speaker	
13:00		Opening speach by dean of the faculty of Mining and Geology	prof. Ing. Vladimír Slivka	
13:00	15:00	Constructional aspects in heritage	doc. Matěj	
15:00	15:15	Coffee break		
15:15	16:45	Natural assets/nature conservation aspects	Ing. Švehláková	
16:45	17:15	Brownfields in Ostrava	Hana, Kamila, Lukas, Dana	

ká		
vá		
Coffee break		
Lunch		
vá		
, doc.		
r.		
,		

Thursday 11th of February		3 rd Brownfield manager training seminar	
09:00	13:00	Excursion to "Důl Michal" mine	
13:00	14:00	Lunch	





- 4.2. Seminar themes
- 4.2.1. Constructional aspects in heritage





Brownfields · group of negative and positive values Questions: Can brownfields be listed monuments? How we can recognize brownfields monuments? COBRAMAN CHARLE DE TOTAL



Důl Karolina mine

- · coking plant Karolina, chemical part of coking plant, power station Karolina and background of Žofinská huť ironwork
- · Demolition of hard contaminator evoke surprisingly public protests and initiative for their conservation anyhow:
- Žofínská huť ironwork destroyed in 70 s of 20th
- · coking plant Karolina destroyed in 80's of 20th century













Demolition of coking plant Karolina

- · Demolition of coking plant Karolina call up idea clear definitive - what and why save like monument of cultural industrial heritage.
- · Followed detailed analysis of every single branch and attachment to each other

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Demolition of coking plant Karolina

- · Brownfields aren't random and illogical scrums but they are historical and strictly logical incurred systems:
- · Values pose key developed moments of each branch (mining, coking plants, metallurgy and their examples (deputies of typicalness and individuality)
- · Value constitute's not only single representative either representative system structures (natural conditions, coherent technological flows of every brunch, trafic corridors and social institutions)











- · Typological analysis of development
- · The oldest example of surface mine developed in this time without a mining tower
- · Typological underground mine which conected to system of Jaklovecká štola galery
- · Destroyed in 80's of 20th century, nowadays it would be shrouded as only one representative of this typological developed phase

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Důl Alexandr mine

- · Typological developed analysis
- · second oldest mining tower
- · important architectural monument. transformation of composition of honour court (baroque palace composition) into industrial area
- · local dominant near by Frýdecká street orientation point

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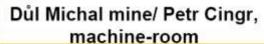












- · Typological development analysis the first completely electrified mine
- Operationally modern solution, one big glazed machine-room, separation of accession of men (people way) and mining (coal way)
- · Good quality architectonic solution











Power station Vítkovické železárny ironworks no. IV

- · System connection analysis
- · Powerful power station enabled mine electrification and replace of steam engine by modern electric motors









Coking plant Central

- · System connection analysis, historical description
- · Central coking plant destroyed in start of 20th century
- · Today free area near by Silesian Ostravian castle, premises of very polluted soil and source of contamination underground water

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Mine pit coking plant Centrálka

- · System connection analysis historical description
- · Mine pit became part of central life of Ostrava, fun fair Tivoli
- · Today exhibition area Černá louka











Vítkovické ironworks

- · System connection analysis
- · Demonstrative connection of the technological flow of coal mining, coking plant and iron working

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Důl Hlubina and Vítkovické ironworks



Industrial city New Vitkovice

- · System connection analysis
- · Social institution integral part of industrial agglomeration
- · Example of efforts about stabilization of social situation due to system of social institutions (housing, meals, health care, education, cover in sickness or retire) and building city which ensures this

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Ostrava – Svinov

- · System connection analysis
- · Railway pose key element in agglomeration development represented by station building
- · Station building from 1847 went through develop and transformation to representative gate to the city, then devastation...
- · Today after reconstruction and modernizing and demonstrating respect of historical heritage and by contemporary architecture its representing nowada a modern railway











Amselm mine / Eduard Urx

- · examples of new industrial monuments use
- · Museum, traditional use which should be only limited number

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Dul Hlubina mine, coking plant and Vítkovické ironworks

- · examples of new use of industrial monuments
- · Combinated cultural use, enabled key parts of technological flow to visitors used for education and cultural actions
- · Author of study Prof. Helena Zemánková, faculty of architecture VUT Brno

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Dul Michal mine / Petr Cingr

- · examples of new use of industrial monuments
- · Combinated cultural use, enabled key parts of mine surface and using for education and cultural actions
- · Exhibition of modern art in late chain cloakrooms











Odra mine

- · example of new use of industrial monuments
- · New production facility bathroom in late hall machine-room











Nordstern mine, Gelsenkirchen, Germany

- · examples of new use of industrial monuments
- · Use of surface mine buildings for administrative centre and landscape frame for recreation and sport













Hansa coking plant, Dortmund

- · examples of new use of industrial monuments
- · Use of surface mine buildings for cultural actions, education and use for minor administration











Textile factory Lodž, Poland

- · examples of new use of industrial monuments, textile industry
- · Use for traiding centre Manufacture













- 4.2.2. Natural assets/ nature conservation aspects (Ing. Švehláková)
- 4.2.3. Brownfields in Ostrava











Brownfields in Ostrava

Presentation content

- · General information BF in Ostrava
- Karolina
- · Slaughter house in Ostrava
- OSTRAMO Lagoons of Ostrava
- So called Bottom Vitkovice area

Brownfields in Ostrava

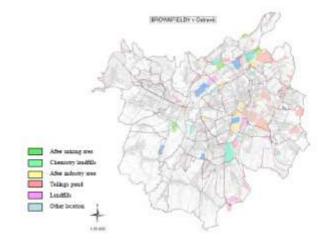
- · Main reason conversion of heavy industry
- · Area 15% of territory (214 km2)
- Type: mining, industry and chemistry area and infrastructure
- · Redeveloping process started in 1998

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General information

- · Area of 36 ha useful landscape where were in history heavy industry plants
- · City centre (28.října street)
- · Two buildings represent industrial architecture of 19th and 20th century







Map



History

- . 1985 Closure of the coking plant Karolina
- · 1990 Superficial redevelopment
- · 1994 land preparation; surveys of contamination of geo - environment, Marketing study
- 1994 1998 decontamination planning (financed by the National Property)
 - ecological auditing, analysis of risks, decision for the type of redevelopment







History

- · 1998 -2003 land decontamination
- · 2006 building-up proces by Multi Development company
- · spring 2008 initiation of the building
- · autumn 2008 crisis building was interrupted

Remediation

- 1999-2005
- · redeveloped locality of 7,9 ha
- · termical desorption method
- · costs approx. 6 500 EUR.
- decontaminated
 - 350 000 tons of soil
 - 109 000 m3 of water
 - 602 tons of tar
- · Limits for benzene, naphtalene, phenols, oil substances

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Karolina Today

- · Multi Development company is ready to continue with building - March
- · Creating new urban centre
- · Historical buildings
- cultural educational centre











Ownership

- · Statutory City of Ostrava OKD (KARBON INVEST)
- · Now Multi Development company

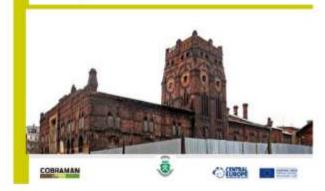
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Slaughter - house in Ostrava



General information

- · Complex of buildings city slaughter house made of grey bricks
- · Situated between railway, Janáčkova street, Pobialova street and Stodolní street
- · One of the most important technological and cultural monuments in Ostrava city









Map







History

- · City built slaughter house in 1881
- · 1902 and between years 1924-27 significantly expanded
- · 1921 modernized by the City of Ostrava
- · In function till 70's of 20th century
- In 90's several buildings pulled down during the construction of Bauhaus supermarket







Slaughter - house today

- · The most appreciate part with the tower fortunately still exists
- · These days cultural monument not used
- · Included at the list of endangered sites MonumNetthe most endangered real estates monuments

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Slaughter - house today

- · Bauhaus (owner) made a promise to fix the slaughter -
- · Conditions getting worse because of inactivity
- · Repairs new temporary roofs, removing solder trees
- · Bauhaus is not going to use slaughter house, attempts
- · One of the obtions complete demolition









Ownership

- · 1994 closed disadvantageous contract -Moravian city of Ostrava and Přivoz with Swiss company Bauhaus
- · According to the contract Bauhaus has to care only for tower site
- · Currently owned by Bauhaus company

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Posibilities of use



Urbanistic proposal of use - shopping center

Public participation



Concerts, a series of public debates since 2006 to 2009 - cafe Fiducia

(Civil Association for Old Ostrava)

Branch Ostrava boycott (stop shopping in the Bauhaus)





Lagoons of Ostrava



General Information

- Catastral area of Ostrava Mariánské hory a Hulváky
- · Complex of four lagoons (signed R0 to R3)
- · Containing carcinogenic substance
- · Threats of resources drinking water
- · 350 000 m3 of hazardous waste













History

- · Brownfield developement end of 19th century
- · There was rafinery plant-- production of paraffinum and lubricating oils
- · From 1981 regeneration of lubricating oils, storage of waste from rafinery production to opening reservoirs with sprinkled dams
- · End of working was in 1997









Remediation

- · Done by association of campanies Clear Ostrava (Geosan, Aquatest and Železnični stavitelstvi Bmo)
- Remediation process of project "Corrective Measures LAGOONS OSTRAMO,,
 - 1. Reusing of petroleum sludges to fuel mixtures
 - 2. Removal of hazardous properties of contaminated soil with indirect thermal desorption
 - 3. Remediation of contaminated lagoons' surroundings with hydraulic remediation and biodegradation in













Ownership

- · Public areas public company Diamo
- · Previous private areas
- · These areas were bought by government for 1 crown











So-called Bottom Vítkovice area



General Information

- Type of industry: Heavy industry, mining and chemical industry
- 153 hectares useless area with historical industrial buildings and structures (colliery, coking plant, iron
- · 98 % area practically without any serious ecological risk
- · The coking plant possible source of polution (hazardous chemicals still inside)















History

- 1828 Vitkovice steelworks were established
- . 1836 The first coke blast furnace in the monarchy was ignited
- · 1998 after 170 years of continuous activities in Vitkovice was terminated
- · 2008 area were included in the European Cultural heritage

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So-called Bottom Vítkovice Area Today

VİTKOVICE MACHINERY GROUP is now preparing a realty unique project of New Vitkovice that considers revitalization of so-called Bottom Vitkovice



Landscape of the National Cultural Heritage today

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Ownership - New Vitkovice project

The projects are implemented:

- · Reducing the old environmental load
- · The program territorial renewal
- · Reconstruction and reactivation some objects of the National Cultural Monument:
 - Gas holder
 - Fourth Power station
 - Blast furnace no. 1











Visualisation of first part of New Vitkovice project

New Vítkovice project

· Gas holder, should be turned into a multipurpose hall with a capacity of 1,500 seats



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New Vítkovice project

- · The goal preserve the industrial heritage also for next generations
- · New modern and useful form, (build, university, scientificresearch Jeisure time zones.)
- · The target built Ostrava's new centre in New Vitkovice
- Estimates of projekt are about CZK 60 billion













Thanks for your attention





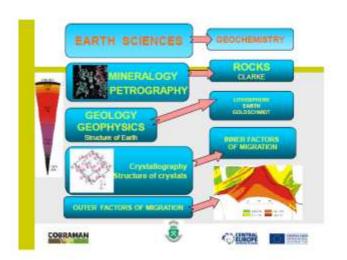


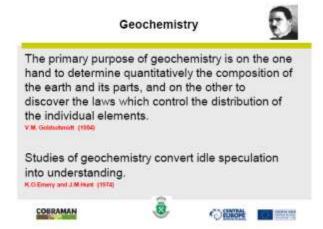


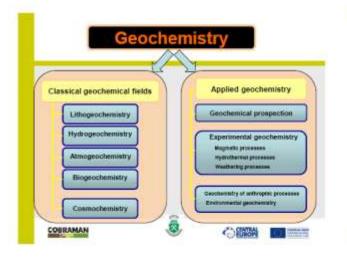
4.2.4. Geochemistry and Brownfields









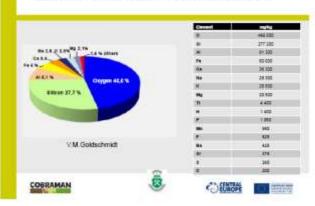








Earth's crust - abundance



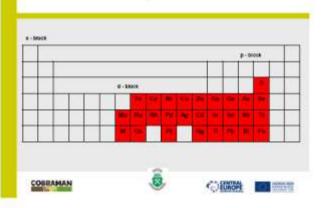
The geochemical cycle (B.Mason)



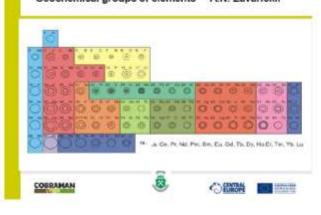
Geochemical classification of elements V.M. Goldschmidt



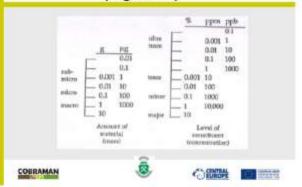
The chalcophile elements



Geochemical groups of elements - A.N. Zavarickii



Concentrations of trace elements (log scale)



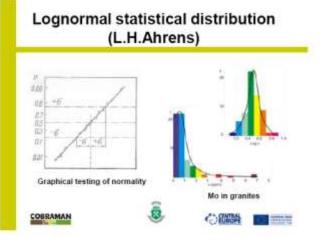


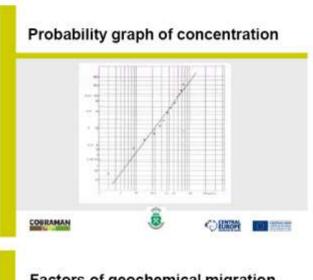
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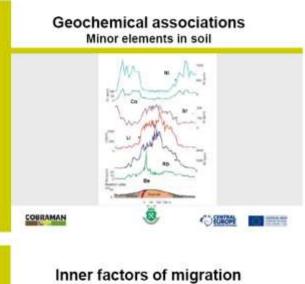


Geochemical background Concentration Unit: mg/kg (ppm) Arithmetical mean: $x = \sum x_i/n$ x_i - analysis of semple, n_i - number of semples Variance: $s^2 = \sum (x_i - x_i)^2/(n-1)$ Standard deviation: $\sigma = \sqrt{s^2}$ Threshold of geochemical anomaly: $x + 2\sigma ... x + 3\sigma$

OBSA I







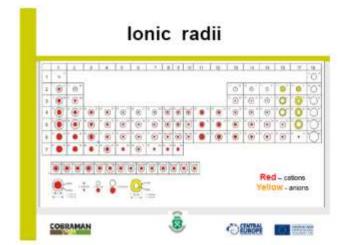
Factors of geochemical migration 1. Inner Properties of elements Properties of crystal structure of mineral phases 2. Outer Properties of environment Geochemical barriers

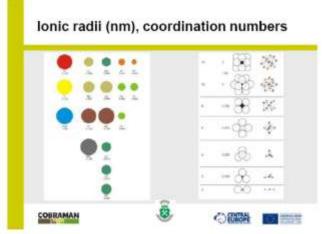
Atomic number, atomic weight
Electron shell structure
Melting point, boiling point
Ionization energy
Electronegativity
Oxidation states
Stable isotopes
Atomic radius, covalent radius, ionic radius

Structure of mineral phases
Isomorphism, polymorphism
Density, electric and magnetic properties

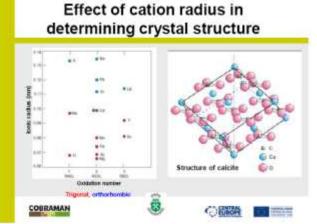












Outer factors of migration

Concentrations of elements
Temperature
Pressure
Gravitation
Acidobasic reaction (pH)
Redox potential (Eh)

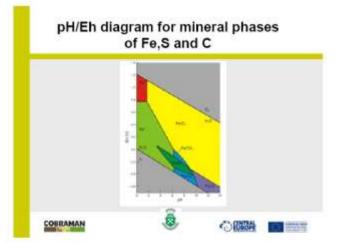
Presence of water
Colloids
Sorption
Biological activity



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Acidobasic reactions in soils pH 1 2 3 4 5 6 7 8 5 10 11 12 13 14 Normal soils COBRAMAN CHATRA I



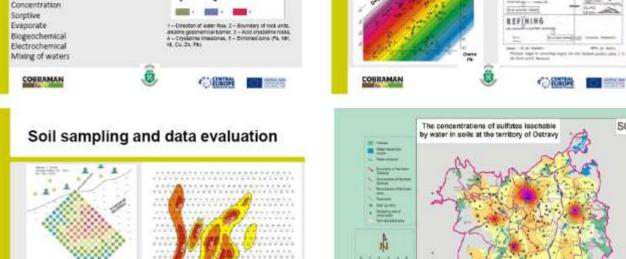
Utilization of elements in technology

trecess MINING @

MILLING

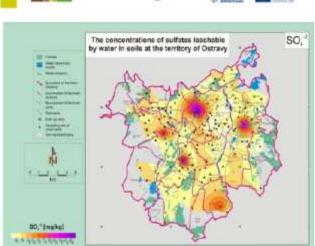
SHELTING

Geochemical barriers High gradient of outer factors of geochemical migration Oxidation Reduction Acid Alkaline Concentration - ma-Sorptive Evaporate Biogeochemical Electrochemical Mixing of waters



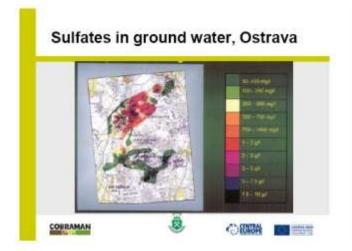
Sampling profiles and izolines of Zn

CINTEAL CONTRACTOR

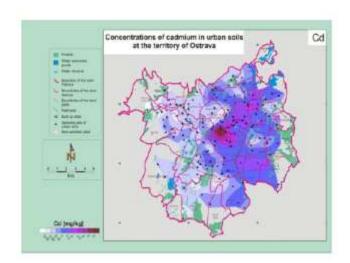


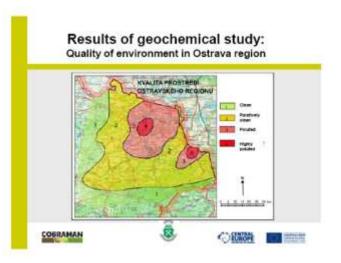


















4.2.5. Stepwise Approach to Brownfield Remediation







































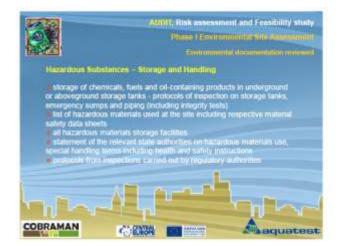
































































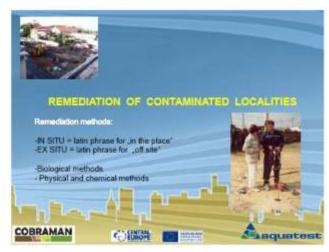




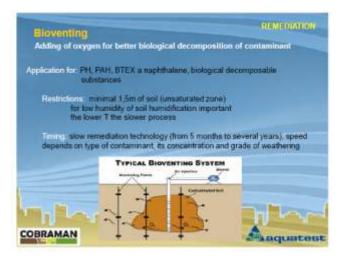










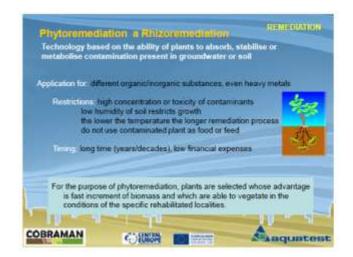
















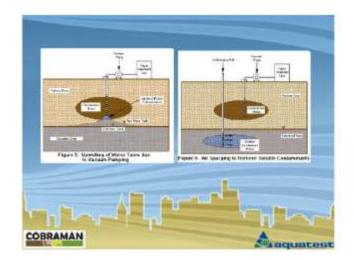








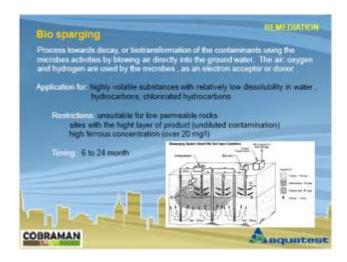








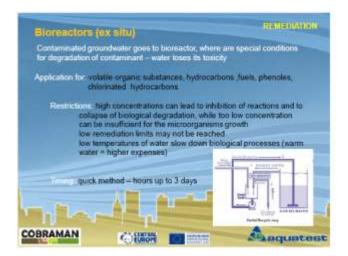


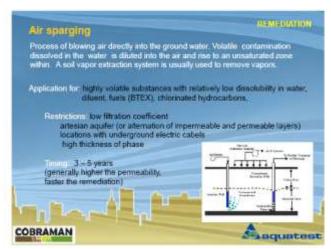


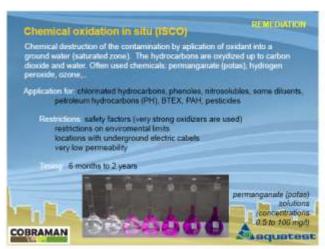


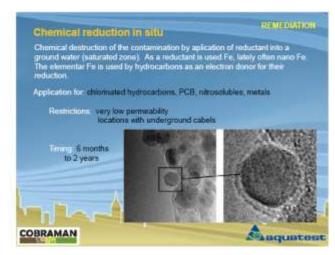




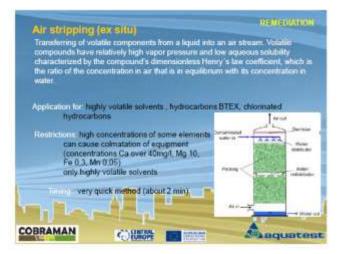






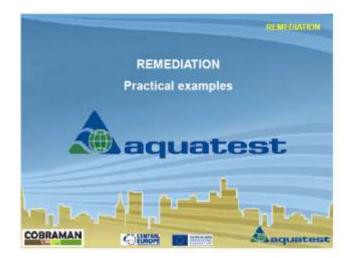


















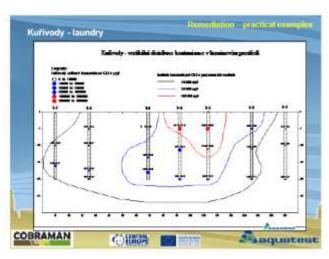


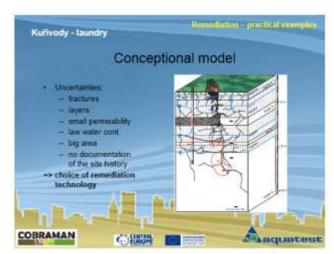




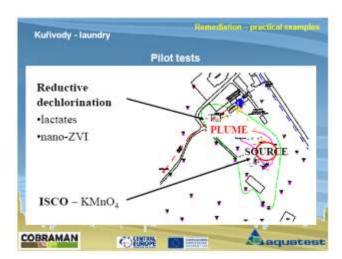








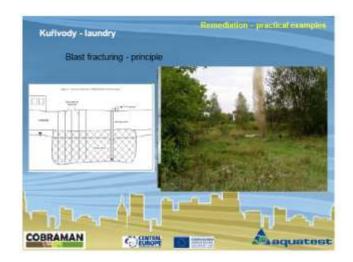








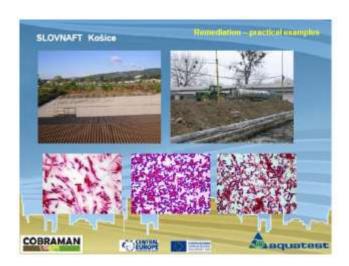










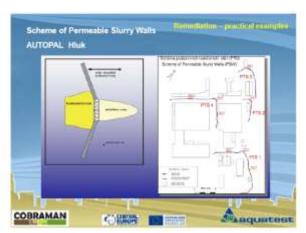




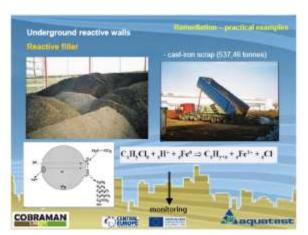


















4.2.6. Geotechnical aspects of Brownfields















References



Brownfields x Mine acitivity

- General information about mine sites, including types of mines, and types of contamination found at mine sites
- An overview of cleanup considerations for these sites.
- Examples of mine sites where innovative approaches have been used for site assessment and remediation.

Mines and the Mining Process

- Underground mining Surface mining (open pit mining) In situ solution mining (uranium deposits)
- Beneficiation, the processing step further refines the ore and prepares it for specific uses. Processing may incude a variety of operations such as smelting (melting or fusing), refining, roasting, or digesting. Both processing and beneficiation can be performed at facilities co-located with the mine or at a separate location offsite that may serve one or more mines.

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Mine-Scarred Lands

Mine sites include abandoned or inactive mines and associated lands. Mine-scarred lands (MSL) to be "lands, associated waters, and surrounding watersheds where extraction, beneficiation, or processing of ores and minerals (including coal)"

Examples of coal MSL include:



Examples of hard rock MSL

- Abandoned surface and underground mines
 Abandoned waste rock or sperif one piles.
 Abandoned medis constructed wholly or partially of waste rock or sperif one
 Abandoned takings, trailings piles, or disposal ponds.
 Abandoned takings, trailings piles, or disposal ponds.
 Abandoned smelters
 Abandoned heap lescries (engineered piles on which ore is placed before applying
 the leaching solution).
 Abandoned dams constructed wholly or partially of waste rock, failings or spent ore

- Abandaned dumps or dump areas used for the disposal of waste rock or spent are Acid or alkaline rock drainings Local water bodies (including streams, ponds, and lakes) and watersheds affected mine drainage



















Contamination Associated with Mine Sites

The sources and types of contamination at mine sites vary and can affect soil, ground water, and surface water.

- Mine drainage, waste rock, tailings, heap leaches (where ore is placed on lined pads in engineered lifts or piles before applying the leaching solution), and dump leaches (where one is placed on the ground before applying leaching solution) are among the major sources of contamination.
- Surface-water runoff from open pits, takings ponds and one elockpies can carry both toxic and nontoxic materials to obsume and takes. Seepage from impoundments or from water-filed pits and mine openings also can release contaminants to surface water and ground water
- Waste from associated operations is another source of contamination at mine sites. Operations that may result in contamination include machine maintenance, vehicle repor, or other activities in which solvents, petroleum, soliciants, or other industrial chemicals may have been used. In addition, contamination may result if electrical transformers and capacitors, which can contain polychiocnated biphenyls (PCBs), were used to supply electricity to the site.







Contamination Associated with Mine Sites

Sources and types of contamination at mine sites sources	Type	
Waste rock or spoil rock	Acid mine drainage (AMD) + metals	
Tailing	AMD + radionuclides	
Pns	AMD	
Machinery	Solvents	
Transformers/capacitors	PC8	

Acid mine drainage (AMD) - occurence

Acid mine drainage (AMD), or acid rock drainage (ARD), refers to the outflow of acidic water from (usually abandoned) metal mines or

ever, other areas where the earth has been disturbed (e.g. construction sites, subdivisions, transportation corridors) may also contribute acid rock drainage to the environment.

In many localities the liquid that drains from coal stocks, coal handling facilities, coal washeries, and even coal waste tips can be highly acidic, and in such cases it is treated as ARD.

Acid rock drainage occurs naturally within some envir part of the rock weathering process but is execerbated by large-scale earth disturbances characteristic of mining and other large constructionsactivities, usually within rocks containing an abundance of suifide minerals.

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AMD - effects

Very low pH < 3 of AMD can influence:

Many acid rock discharges also contain elevated levels of potentially toxic metals, especially nickel and copper with lower levels of a range of trace and semi-metal ions such as Pb, As, Cu, Zn and Mn. Discharge of Al+3, Fe+3

Discharge of sulphates - corosivity on building materials

Acid mine drainage causing organisms can thrive in waters with pH very close to zero.















Production of AMD

Oxidation of pyrite has four phases, which can be expressed by following chemical reaction:

FeS₂ +3.75O₂ + 3.5 H₂O \Rightarrow Fe(OH)₃ + 2 (SO₄)²⁻ + 4H² + heat (ca. 1490 kJ/mol)

2 FeS₂ + 7 O₂ + 2 H₂O → 2 Fe²⁺ + 4 (SO₄)²⁻ + 4 H* (microbial oxidation) 4 Fe³⁺ + O₂ + 4 H⁺ → 4 Fe³⁺ + 2 H₂O (microbial exidation of Fe³⁺) 4 Fe³⁺ + 12 H₂O → 4 Fe(OH)₃ + 12 H⁺ (exidation of S²⁺ with Fe³⁺) FeS2 + 14 Fe3+ -> 15 Fe2+ + 2 (SO2)2- + 16 H+ (hydrolysis of Fe3+)

During weathering of pyrite is very important also microbial activity, during which oxidation FeP to FeP is supported by Thiobactius ferrocustains. Optimal conditions for activity of bacteria exists in range pH 2 –3, at the pH value higher than 6 is activity of bacteria not important in comparison with abortic processes.

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Total capacity of Acid Mine Drainage

Total capacity of AMD

- Amount of sulfidic minerals
- Amount of neutralizing minerals
- Amount and type of ther risk elements and other contaminant

Speed of AMD origin

- Type of sulfidic mineralization (including crystal form)
- Presence of carbonate minerals.
- Surface of minerals accesible for reation (degree of opening grains in tailings, grain size composition)
- Accesibility of water and oxagen
- Microbial acitivity













Primary factor of AMD production

Sulfidic minerals, oxygen, water, Fe3+, bacterial activity of Thiobacillus ferrooxidans

Oxidation of pyrite is influenced also by mineralogical properties of pyrite:

particle size and their morphology

Framboidal crystals or fine-grained aggregates are as a result of their large specific surface very reactive and they are oxidized first.

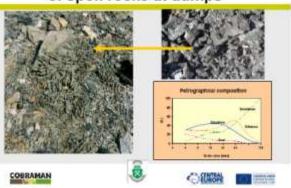
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Fragmentation and decomposition of spoil rocks at dumps



Acid production potential (APP) Net Neutralizing Potential (NP)

APP - Acid production potencial

APP = 31.25 x S where: S = content of Star (%)

NP - laboratory determination with adition of acid (HCI) - titration pH3.5

CaCO3 + H2SO4 -> Ca+2 + CO2 + H2O + (SO4)2 2 CaCO₃ + H₂SO₄ → 2 Ca+2 + 2 (HCO₃) + (SO₄)-2

NP/APP = Acid/Base Account (ABA). When AMD occure? ABA > 3.1 low risk of AMD occurence

ABA 3:1-1:1 kinetic lechanig for verification of AMD production

ABA < 1:1 AMD is produced.

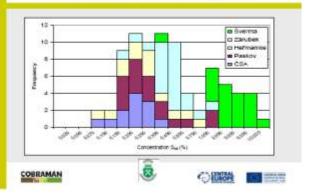
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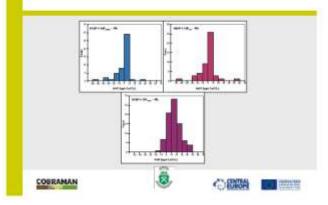




Content of Stot in spoil rocks of Ostrava-Karvina Coal District



Net neutralizing potential (NNP)



Passive AMD technology

The objective of passive AMD treatment is to use chemical and biological reactions that aid AMD treatment in a controlled environment at the mine site before the water enters the receiving stream.

These techniques include the following:

- Constructed wetlands (aerobic and anaerobic)
- · Limestone rip-rap lined channels and flow-through dams
- Anoxic limestone drains
- · Limestone diversion wells













Constructed wetlands



Constructed wetlands may include one or more ponds or compartments where AMD flows through preferably at a slow rate. The Iron is oxidized and precipitated within the wetland. Acidity is neutralized by the vegetation photosynthesis and other biological activity which produces alkalinity.

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Limestone rip-rap lined channels

Channels and flow-through dams constructed of limestone rip-rap have been designed and implemented to treat AMD as it flows over and through the np-rap. However, limestone channels and dams may not provide long-term effectiveness if the rip-rap becomes coated with iron oxyhydroxide floc over time and is no longer reactive.



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Anoxic limestone drain

- An anoxic limestone drain works similarly to a limestone channel. However, the drain is filled with flowing AMD and the AMD is not exposed to oxygen during passage through the drain.
- Hence, there is less potential for the limestone to become coated with iron oxyhydroxide precipitate. A limestone diversion well is also similar. This is a variation of an anoxic drain. In this design, AMD is diverted into the bottom of a vertical column (or well) of limestone under anoxic conditions. The agitation of the water flowing up the column helps keep fresh surfaces on the limestone and makes it easier to load new limestone as it is used up.



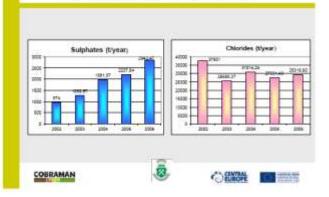
Efficiency of catchment and reduction of leachability of risk elements (Fe, Cu, Zn, Cd, Hg, Ag, Co, Ni)

Technology Encapsulation	Risk elements 94	H*
Bitumene	93	96
Bactericidal reagents	81	70
Phosphates	69	72
Limestone	48	88
Lime	33	48
Clay minerals - barriers	44	31

Mine water Jeremenko

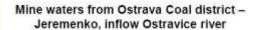


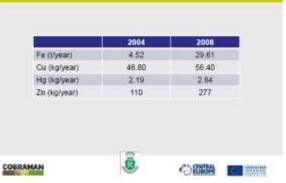
Mine waters from Ostrava Coal district – Jeremenko, inflow Ostravice river











4.2.7. Structures on brownfields









Types of structures on **Brownfields**

- · Offices and other administrative buildings
- · Halls, production buildings...
- · Motor and railway roads
- · Buried services sewerage, electrical cable,
- · Towers and chimneys
- · Special buildings- gas reduction stations, heat-generating plants









Administration building - coa coalmine Odra -2004



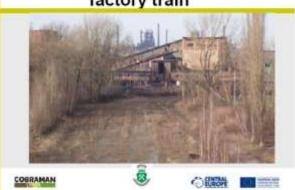




Lower Vitkovice site - railway



Lower Vitkovice site – area after factory train



Coal mine Heřmanice



Collector

– foto Horní Suchá 2008



Tower Jindřich



Zeche Zolferein







Gasometer



Technical aspects of structures

- · Transport availibility and technical infrastructure on the brownfield site
- · Location and accessibility of the site
- · Existing structures and its economical
- · Technical and moral value of structures
- · Historical value of structures, industrial herritage

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Transport availibility and technical infrastructure

- · Existing road network, power supply system, telecommunication system, water supply system
- · Connections with metropolis
- · Accessibility to roads with vehicle transport
- · Access to rail, water or air transport
- · Public transport provision

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Former power supply system



Former transport of coul



Rail system in Ostrava-Karvina region







Former Rail system in Ostrava-Karvina region



Existing structures and its economical value

- · If the existing structures on site can be economically reused, their value is increased
- · structures sometimes have negative value

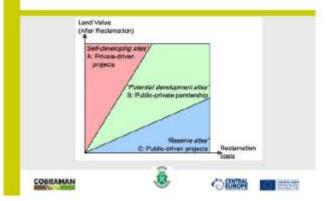








ABC model - CABERNET



Technical and moral value of structures

- · During utilisation the building loses its technical value
- · Durability of the building materials.
- · It is assumed that industrial buildings over 50 years old have no longer any technical value.
- The decreased technical value of industrial buildings as the industrial buildings are exposed to strong vibrations and shocks produced by machines
- · Their life is also strongly limited by changes of industrial technologies and technical standards.
- · A structure may be technically sound, but morally outlived.

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Historical value of structures, industrial herritage

- · Uniqueness (first, best, smallest, largest,
- · Artistic or crafted quality of the structure.
- · Connection to an important historical event or
- · Urban context value (structure is valuable to the townscape).
- · Skyline value (chimneys, spires and like...).
- · Landscape value (building is valuable to the landscape).

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Industrial heritage







Industrial heritage



Industrial heritage- Zeche Zolferien



Reuse potential of structures

3 categories of suitability to transformation

- · Repair and strengthening of the structures
- · Possibilities of industrial structures transformation
 - according the kind of industry
 - kind of building
 - possible new way of utilization
- Demolition positive and negative effects

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Repair of the structures

- · A change in building function is almost always accompanied by the need for reconstruction.
- It is usually connected with change of building superstructure loads and necessitates the removal of some elements of the superstructure.
- · The need for reinforcing and repair works may also result from long-lasting usage in difficult conditions causing many mechanical defects arising from durability limits of materials used for construction.

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Repair of the structures

- Remodelling or strengthening existing buildings is sometimes much more difficult and costly than designing new ones.
- Knowledge of old building technologies, the ability to carry out materials testing and having the equipment to enable such strengthening is
- The final decision of possible forms of reconstruction can only be made by experts with many years of professional building experience.

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Repair of the structures

- Also, some of the building material which is contained in the existing buildings may have been contaminated by the building's past use (oil, heavy metals, etc....).
- The effect of pollution inside a building on humans is especially serious, as it may represent prolonged exposure.
- That is why the contaminated parts of buildings, if they are considered for reuse, need to be removed and replaced by new, sound materials.
- Decontamination of oil-soaked concrete structures may mean removing the contaminated concrete, a tedious and expensive business





















Examples



Transformation possibilities - deep mines



Examples







Demolition

Demolition results in the removal of structures or parts of structures from the land surface

Demolition and removal is often preferred by investors as an easy and fast option and it satisfies some of their objectives:

- · it removes the stigma of pass use;
- · it reduces the structural risks;
- · it reduces contamination risks;
- · it may help speed up the development process;
- it may prove to be more cost effective (cheaper then a complex reconstruction);
- · it may produce higher development values for the site.

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Demolition

Demolition can also have negative effects:

- it uproots the historical connections of location;
- it is a costly process, especially where there is a large amount of material to be dumped;
- it is a less sustainable option regarding material use or reuse (material is carted away and new materials need to be brought on to site);
- it is a less sustainable with regard to transport,
- there are increased accident risks to workers and the
- it can produce public nuisance due to extensive dust and vehicles.

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Demolition

Demolition of structures usually also needs to be approved and is further regulated by national legislation (planning and environmental).

A specialist demolition contracting certificate may be required for some type of demolition.

Preparing or commissioning a demolition contract is specialist work.

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Material reuse

- · Recycling of building materials and construction components
- · Recycling of demolition waste

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Conclusion

- Structures on brownfields are advantages
- · Structures on brownfields are disadvantages
- · Structures on brownfields have big potencial
- · Structures on brownfields have many problems













4.2.8. a role play on these technical aspects















General overview

Planning area: Quellenstraße Sites to be developed: Foxboro and Epple

Contaminated site: Epple







Overview: Petroleum contamination Epple" site



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Overview: "Epple" site







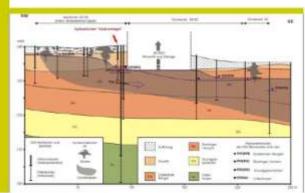




Overview: "Epple" site



Geological section "Epple" site



"Epple" site



"Epple" site



Detail: contamination



Detail: contamination







The "Epple" site as it is now

Site characteristics - pollution situation:

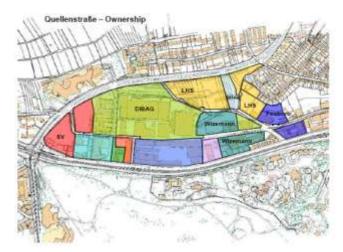
- heavily polluted
- old industrial buildings to be demolished
- soil pollution to be remediated
- deep groundwater contamination
- location in a slope



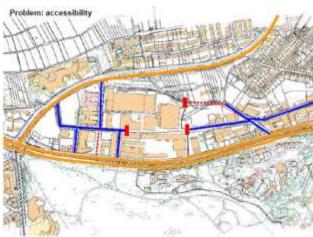












The area "Quellenstraße" as it is now

area characteristics - infrastructure situation:

- traffic / accessibility
- freshwater supply
- sewage system
- connection possibility to telephone/internet
- owner structure











B-Plan 2004 Foxboro West







The vision: Foxboro West

Characteristics of future use:

- · trade and industrial use
- · three floor building with production locations
- · flat roof with green covering
- · about 100 people working on this site
- · parking area with about 50 parking lots
- · free space for delivery traffic









B-Plan 1970 Epple & Foxboro-East



The vision: Epple

Characteristics of future use:

- · future use as "Craftsmen's Yard"
- · two floor building
- · big central area for delivery services
- · flat roof with green covering
- · about 50 people working on this site
- · parking area with up to 50 parking lots
- · significant lorry traffic









The vision: Foxboro-East

Characteristics of future use:

- · future use as "Centre of creative work"
- · three floor building containing studios with loft
- · flat roof with roof terrace/garden on top
- · about 180 people working on this site
- · underground parking for about 80 parking lots









What concretely to do next?

Set up the key elements of project management plan

- Scope Management Plan
- Cost Management Plan
- Communication Management Plan
- Risk Management Plan









What concretely to do next?

Draw up a work breakdown structure (WBS)! Categorise the single work steps to work packages like:

What has to be done

- in relation to the pollution?
- in relation to the infrastructure?
- in relation to communication?
- in relation to coordination/management?













What concretely to do next?

Basing on WBS...

develop a gantt chart with:

- Timeline
- Milestones and outputs
- Critical interconnections between the work steps









Work breakdown structure









What concretely to do next?

Basing on WBS...

develop a budget estimation plan:

- Which estimation method was used
- Who did the estimation
- Who is responsible for the output of this action
- Costs per unit as well as total costs





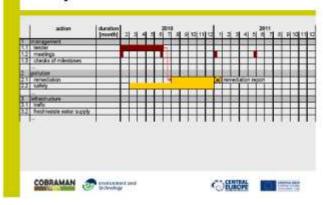




Budget Estimation

	action	responsible	duration	duration Co estimated by	est estimation est method	estimation	3058
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Project Schedule









4.3. List of participants



WP4 – Seminar III Meeting, 1CE014P4 Ostrava, Czech Republic

Name	9.2.2010	10.2.2010	, 11.2.2010
Bendová Miroslava	Rend	Rey !	Reul 1
Bergat Jiřina			1
Borecký Karel	950	160	
Boroń Grzegorz	301	130	
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Czastka Sven	Sun Cla	Sulhall	1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /
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WP4 – Seminar III Meeting, 1CE014P4 Ostrava, Czech Republic

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Pelka Iwona	Pelko	Jellia	PERICO













WP4 - Seminar III Meeting, 1CE014P4 Ostrava, Czech Republic

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5. 4th Seminar Ferrara 19.-20.May 2010

5.1. Agenda of training seminar

5.1. Age	enda of tr	raining seminar	
Tuesda	y 18th	4 th Brownfield manager training seminar	
of May			
time		topic	speaker
14:30	16:30	WP 4: "Training the organisation": a workshop for exchange experiences among PP	Stuttgart All PP involved
Wednes	sday	4 th Brownfield manager training seminar	
19th of	May		
		Training seminar "Economic aspects"	
14:30	16:30	Basics of real estate economics: the experience of Europa Risorse	Investment Director - Paolo Rela
16:30	17:00	The experience of regeneration in Kragujevac - the remediation of Zastrava factory	Dragan Marinkovic
17:00		Excursion to Comacchio, visit of the site and the surronding lagoon	
Thursd		4 th Brownfield manager training seminar	
11th of			
09:00	10:30	Finance instruments in brownfield redevelopment - a focus on PPP and urban development funds, e.g. Jessica programme (To be confirmed)	Thomas Ertel
10:30	11:00	Coffee Break	
11:00	12:30	The private developers viewponit: Overview about the Facility Management and Economic feasibility study,	Gerhard Petermann
12:30	13:00	The largest Regeneration Project in Slovenia - 230 ha.,	Ivan Stanic
13:00	14:00	Lunch	
14:00	14:30	Insurances and other instruments to cover risks from pollution/ Cooperation between economic and environmental experts in land valuation- a German approach	Thomas Ertel
		Speed dating with 3 experts	





- 5.2. Seminar themesWP 4: "Training the organisation": a workshop for exchange experiences among PP
- 5.2.2. Basics of real estate economics: the experience of Europa Risorse

























- construction, landscaping, utility bank-ops, tenant improvements, etc.
- Environmental pasts. Ashestes and MMMF removal and disposal, and close up. proceduate analysis and clean up if required Familting casts: urbanisation lives and/or works, change of one lives, caretraction duties,
- legal costs for permitting agreements with the Municipality,
- Design and organizating: design faum costs (orchitects, engineers), surveyors, cost planning and control, works supervision, HSS planning and control, specialists advice
- Management: development repreparent, project management, construction management (depending on the tradering obstegy)







- Web, brachers, pulgets, overlis, etc.), inhertement and specific marketing companyes.
- Administrative and operating casts, legal fees, which administration casts (bookkeeping, auditing, etc.), notarial fees, etc.
- Security and insurance relating to the acquired site
- Financial costs: up-front face, bon administration fees, commitment face, cost of guarantities on deferred payments, legal costs and other costs minitureed to the lawder
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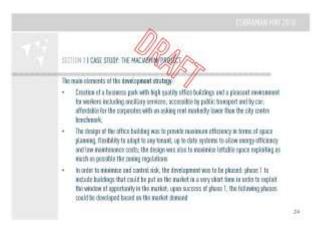












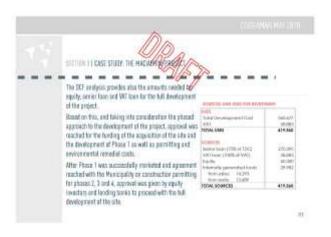












































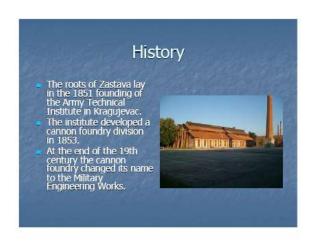
5.2.3. The experience of regeneration in Kragujevac - the remediation of Zastrava factory

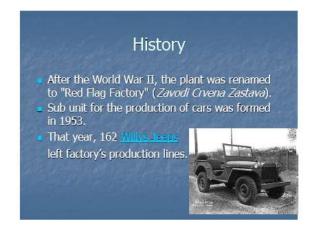
The experience of regeneration in Kragujevac
- the remediation of FIAT
Cars Serbia
(ex Zastrava Car factory)

Dragan Marinkovic
Dragana Vidojevic



Zastava industrial complex FIAT Cars Serbia (ex Zastrava Car factory) is industrial conglomerate in Serbia. Based in the City of Kragujevac, 138 km southeast of Belgrade. Run as a joint venture between the Fiat Group (67 %) and the Serbian government. It is best known by car manufacturing, which began assembling in 1955 for Eastern European markets. Factory has a long industrial history.

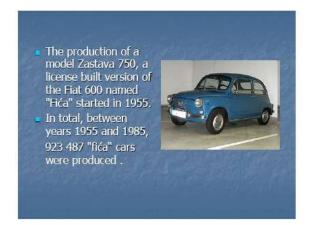












History The production of its first own middle-class vehicle Zastava "101", started in 1971. In 1980., Production capacity was expanded to 200,000 cars a year. That same year, began a production of "Yugo koral" and "Zastava 128" By year 1991, "Zastava cars" produced over 4.1 million cars



Location Factory is located near the center of town. Represents the most significant industrial complex of the city. FAS (FIAT Cars Serbia) covers an area of 126 ha. Besides FAS, at the site of the former GROUP "Zastava" there are 10 companies operating. The entire complex has a working area of 173 hectares. During expansion and growth of the factory, the principles of sustainable development were not respected. All companies of the former Group "Zastava" are polluters of the environment (water, air and soil).



After the break up of former Yugoslavia and economic sanctions by the international community (from 1991, to 2000.) it was a difficult period in the history of "Zastava."
During this period the tendency was to continue the production and sale of cars.



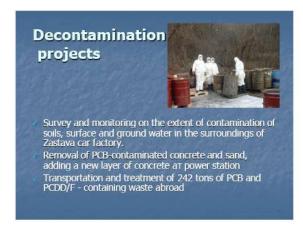


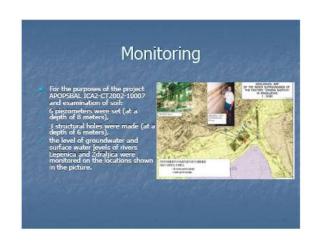


NATO bombing and the damage done to the environment After the explosion there was a fire of combustible materials in the warehouse of finished products and production facilities. On that occasion the following was burned: 46665kg rubber based technical goods, 8800kg Bituminous products 28 440kg of Plastic parts 3 000kg of textile, 2200kg of sealants, significant number of varnished car bodies, and a certain amount of paint and solvents



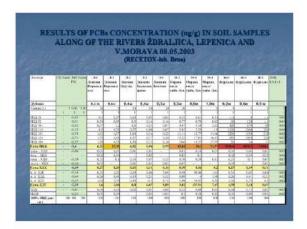












FACTORY CRVENA ZASTAVA 25.03.2005

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PCS 160	-	18.08	5.81	230	0.293	182	1.54	0.28	5,80	1.30	3.8	12.96	1,51
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PCB 555 rec.	05	- 25	185	395	83%	112%	98%	36%	1,00%	46%	38%	985	987
FGB 30 rec	8	-393	35	ROI	83	13256	80 80	26%	(80) (80)	455	82	90	-3

Conclusion

- The results indicated that the PCB concentration in the water were relatively small.

 The greatest amount of contaminated soil, materials and water were removed during the decontamination projects implemented under the supervision of UNEP.

FIAT Cars Serbia

- Fiat Group Cars has signed a Memorandum of understanding with the Serbian government for the acquisition of Kragujevac's Zastava factory on 7th May 2008. The memorandum of understanding foresees a new company being set up in which the Italian group would have a 70% percent stake and the Serbian government retaining 30% percent.



The new company would make a total investment of around 700 million euros, with the government of Serbia contributing 200 million euros. The Zastava plant will produce two new Fiat models.



The last Zastava branded car rolled out off factory on 21st November 2008.

What has been done

- City of Kragujevac made a new detailed plan of the former industrial site of the Group "Zastava".
- Strategic environmental assessment of the Plan.
- All waste found in the perimeter of Zastava was cleared before the signing of a contract with FIAT.
- Feasibility study is produced.
- The Contract with Italian "Fiat" foresees that the State rehabilitates the polluted industrial zone of "Zastava car factory".

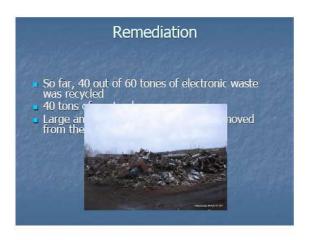












Historical pollution As for the historical pollution (especially pollution of underground water and soil), the investigative work has been completed. They showed that under a mechanical warehouses there is a pollution with hydrocarbons, which are a potential danger to workers. Groundwater and soil are also contaminated. The plan is to extract the soil which would be purified by thermal desorbtion. The process involves heating the soil, which leads to evaporation of the hydrocarbons (i.e., neutralization), after which the soil would be returned to the location from which it was taken. Ground water would be treated in a similar manner and returned after treatment.

What is done so far? According to initial estimates, for remediation purposes, almost 18 million Euros should be put aside. Works on the dismantling of the hall and dislocation of the equipment are currently being performed. During dismantling, waste containing asbestos is selected and separated, using all prescribed safety measures. When setting the new equipment, the complete installation of the infrastructure will be changed. Environmental impact assessment procedure of reconstruction of the factory hall is carried out under the supervision of local government.





What is done so far? Memorandum on the construction of main gas pipelines of high pressure is signed. It should enable the supply to company FIAT Cars Serbia, with 30,000 cubic meters of gas. Gasification project is a part of the contractual obligations of Serbia and the Italian Fiat. The project of building the pipeline according to estimates from the feasibility study, is worth 8 million Euros.



Conclusion Under the requirements of "FIAT", for the complete infrastructure and environmental pre-arrangedment of "Zastava", it is necessary for the state to allocate more than 80 million euros. The value of this work is estimated on the basis of documents (feasibility study) made for the purpose of contract signing between the Serbian government and Fiat about a joint venture in Kragujevac's factory. On the request of Fiat, Serbia has invested a lot of money and effort to bring the factory into order. It is expect that the new owners will meet the worlds environmental standards. The implementation of continuous monitoring is mandatory. For the construction of new factories for FIAT's subcontractors, new industrial locations are defined.

5.2.4. Finance instruments in brownfield redevelopment - a focus on PPP and urban development funds, e.g. Jessica programme (To be confirmed)













Jessica

Joint European Support for Sustainable Investment in City Areas

Dr. Thomas Erfel, et environment and technology, Stuttgart







Financial Support - Development **Funds**

JESSICA (Joint European Support for Sustainable Investment in City Areas) - A new way of using EU funding to promote sustainable investments and growth in urban areas

JESSICA provides the EIB new opportunities to support urban development projects:

- · Potential "Holding Fund" Manager
- · Technical advice

COBRAMAN STUTTGART







Financial Support - Development **Funds**

JESSICA Basic Concept:

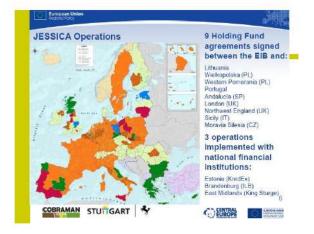
- · EIB as a Holding Fund
- · supporting regional urban development funds UDF
- · which, in their turn, implement projects
- · UDF basically as revolving funds (profitoriented)
- · UDF solely as PPP

COBRAMAN STUTTGART















Financial Support - Development **Funds**

JESSICA offers the EIB as a Holding Fund grants in terms of:

- Equity interests in UDFs;
- Guarantees;
- Subordinated loan;
- other forms of risk assumption aiming to facilitate the participation of private capital.









Systematisation of Urban **Development Funds**

Projects of public interest

- · which are too risky for private investors and
- · from which project developers expect only low yields or which have too high capital requirements for the public sector to be able to act,
- which are too unprofitable and have a large indirect profitability

should be supported by the JESSICA initiative









Possible Improvements

- · Reducing management costs
- · Reducing the share of interest-bearing capital at the fund level
- · Raising the interest rate of the funds loans
- · Earlier loan redemption
- · Reinvestment of capital flowing back into projects with a higher interest rate
- · Reducing grant funding to partial financing
- · Selection of projects with shorter repayment periods



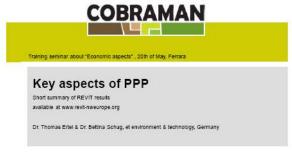










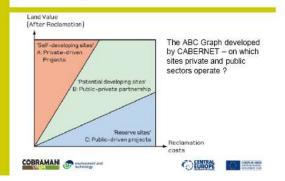








Focusing on B sites



PPP ≠ PPP

In general 4 different types can be distinguished:

- I. Mere private development
- II. Mere public development
- III. Procurement & Concession
- IV. Alliance







Reality is in between

Stage Model	Private development	II. Public development	III. Procurement & concession PPP	IV. PPP Alliance
Initiative	Private	Public	Public	Private, public
Planning	Private, with public assistance	Public	Possibly private	Private, public
Financing	Private, with public financial assistance	Public	Possibly private	Private, public
Site development	Private	Public	Possibly private	Private, public
Building	Private	Public	Possibly private	Private, public
Operating & maintenance (commercial facilities)	Private	Private, public	Possibly private	Private, public
Maintenance of public facilities	Public	Public	Public	Private, public

Ten critical success factors for PPP

- All parties involved should have a clear idea of their own objectives and constraints regarding the project.
- It is necessary to have acquired a sufficient degree of insight into the extent to which PPP can add value, in relation to other, more traditional contract forms (private development, public development).
- Before procuring the public authorities that are involved should have formed a "public consortium" defining project organisation, authority, mandates, delegation, financing and the required authorisation, zoning and planning
- The earlier the private sector is involved in the preparation of a particular project, the greater the chance of success.
- Selection of private parties should be based on competition as much as possible. The overall number of parties involved should be minimised.









Ten critical success factors for PPP

- Involvement of neighbours is important, but requires specific arrangements rather than including them as "part of the consortium".
- A PPP contractor should be selected on its ability to manage the process and the inherent risks.
- 8. Involvement of financial institutions such as the European Investment Bank (EIB) is a must.
- The scope of a PPP-project should be sufficiently financially substantial to justify the upfront investments in terms of transaction and management costs.
- The composition of and the culture within the teams are a crucial success factor.



COBRAMAN OF STATES AND


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5.2.5. PPP and Project finance the experience of "fondo PPP Italia"









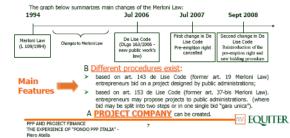




Legal framework of PPP infrastructure projects in Italy

The legal tool, that allows private investors and operators to operate with a long term strategy in the public work area financing also the realization of infrastructure, was introduced with the new law on public works issued in 1994 (the so called Legge Merolin in 10994) and is the:

CONSTRUCTION AND OPERATING CONCESSION



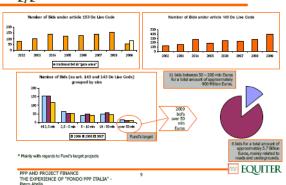
The market of PPP infrastructure projects in Italy – 1/2

Between 2002 and 2009 public administrations have proposed approximaletly 6,700 PPP schemes for a total investment of \in 81.5 billion Euros.

Bid in the period 2000-2009:



The market of PPP infrastructure projects in Italy – 2/2



Infrastructure Funds

The evolution process in the PPP market

In Italy the PPP Market has hardly changed since its beginning, $\ensuremath{\mathsf{Especially}}$ for:

type of projects
quality of the projects
length of the bid procedures
role played by subjects involved

PPP AND PROJECT FINANCE 10
THE EXPERIENCE OF "FORDO PPP ITALIA" -

Infrastructure Funds

Why a market for infrastructure funds

Main industrial operators that are active in the PPP market are construction and facility management companies.

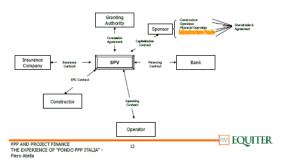
Even if industrial operators have the technical know-how and expertise to develop public infrastructure, they can not afford to capitalise, on a long term base, SPVs.

In the last years some of the main industrial players have been looking for establishing medium-long term partnership with financial investors.

PPP AND PROJECT FINANCE
THE EXPERIENCE OF "FONDO PPP ITALIA" - 11

Infrastructure Funds

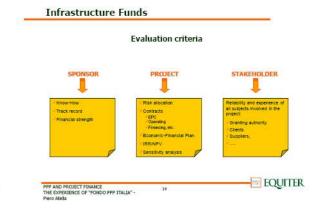
Role of the Infrastructure Fund

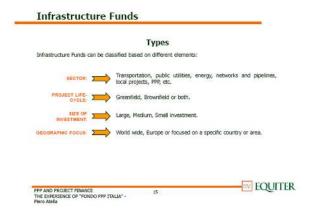


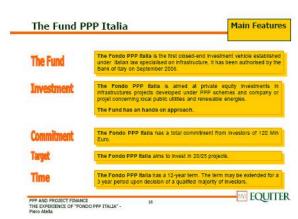


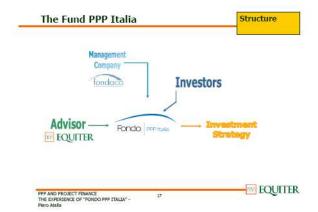


Benefits There are several benefits in establishing a partnership with infrastructure funds (IF): If with their know-how, can optimize the financial strategy of the project. If have often a wider and more diversified project portfolio being able to indicate benchmarks and project strategies. Diversified Partners If, thanks to their diversified portfolio, can offer synergies to reduce operating costs. Easy Divestment IF can offer to industrial operators more exit strategies maximizing capital gains. IF do not have interests in the construction and management of the project, but their pay out comes only from the success of the project, then they represent for Public Authorities a guarantee for the project success.





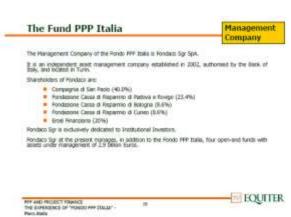


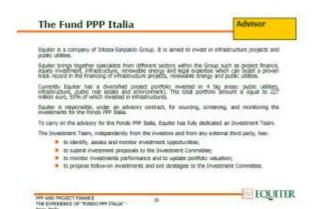


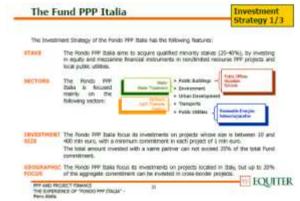




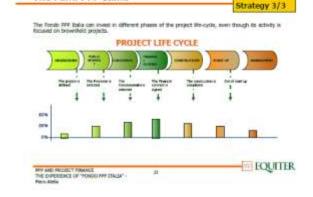












The Fund PPP Italia

Advantages of PPP schemes | Compared | Comp





Case Studies - 1/3

Società di Biotecnologie

Società di Bioteonologie is concessionaire of a 20 years concession in order to design, build, finance and operate the new biotechnology school of the Turin University (Pledmont region).

The bidding procedure was under article 37bis of the Italian public works law.

The granting authority is the University of Turin.

The Project represents the first PPP deal in the university building sector in Pledmont. The building can host approximately 1.000 students and 200 academic staff.

The structure is a 5 fevel building with a total area of more than 20,000 Sqm which will host lecture halls, administration offices, research laboratories, an incubator area and a parking block for about 140 cars.

The concession contract requires the concessionaire to provide, after the construction completion occurred in September 2006, the following services to the University:

- security and cleaning,
 heating and conditioning,
- ordinary and extraordinary maintenance,
 operation of the car park.

Currently the Project in in operation phase

PPP AND PROJECT FINANCE THE EXPERIENCE OF "FONDO PPP STALIA" -Piero Atelia

Case Studies - 1/3

Società di Biotecnologie

What it has been built









Case Studies - 1/3

Società di Biotecnologie

EQUITER EQUITER

What it has been built First floor 4442 sam







Case Studies - 1/3

Società di Biotecnologie What it has been built









Case Studies - 2/3

The sporting centre is located in the Eastern part of Novara over an area of about 140,000 sqm, in the "Terdoppio" park area.

The multi-function centre, which has an investment amounting to approximately 34.5 Million Euros (excluding VAT), is structured as follows:

- an indoor Clympic Swimming Pool standing on a 6,200 spm area, with 10 lanes, 50-m length, children and fitness lanes, hydro-massage and fitness area, health club, in addition to changing rooms and bathrooms; this Swimming Pool can have 14 different configurations allowing several activities to be performed at the same time;

- a Parking Area of 33,000 sqm, offering 1,138 car parking spaces, 682 motorcycle parking spaces and 6 coach parking spaces.

Currently the Project in in operation phase



Case Studies - 3/3

Sicily PV Plant

The Project consists of building a photovoltaic plant in Sicily on private land with a contract for a 20 year surface right ("diritto di superficie"). The investment is approximately 18 Million Euros. A newco has been setup in order to develop and manage this PV initiative.

The PV plant is based on crystalline technology with a mono-axis tracking system for a total capacity of approximately 4 MWp. The table below summarizes main features of the plant:

Installed capacity	Kwp	7,997	
Construction Start	Year	2009	
	Month	12	
Construction Period	Months	7	
Operation	Year	2010	
N.	Month	7	
Long Term Production	Useful hours augranted	2002	
	Useful hours expected	2062	



Currently the Project in in construction phase

PPP AND PROJECT FINANCE
THE EXPERIENCE OF "FONDO PPP ITALIA" Piero Atelia

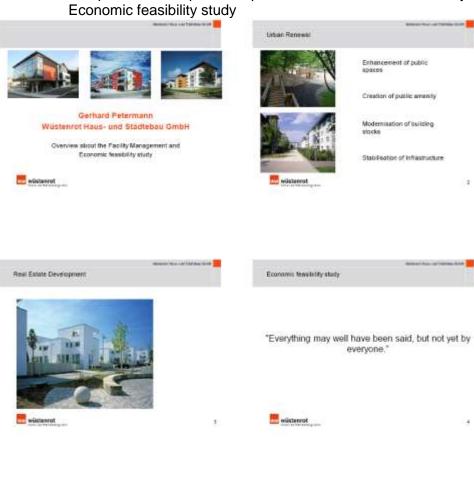
PPP AND PROJECT FINANCE
THE EXPERIENCE OF "PONDO PPP STALIA" Piero Abelia



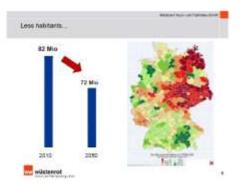




5.2.6. The private developers viewponit: Overview about the Facility Management and Economic feasibility study

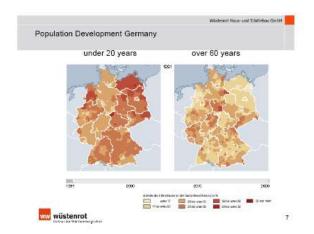


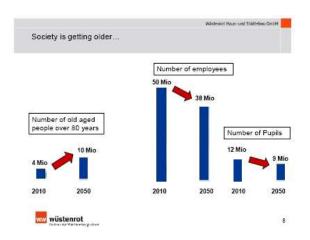




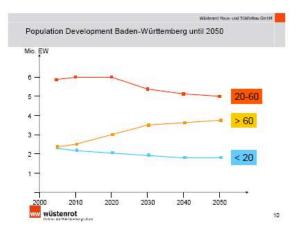


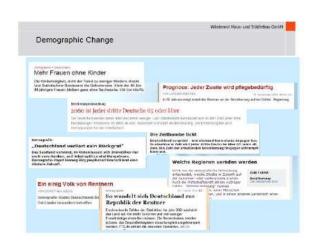








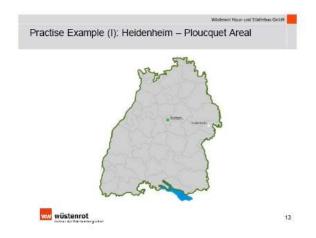






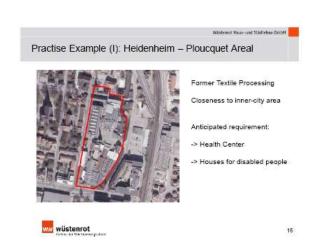
















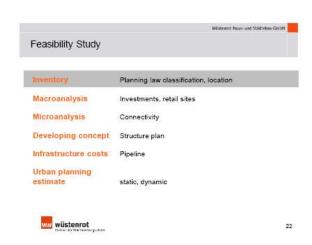


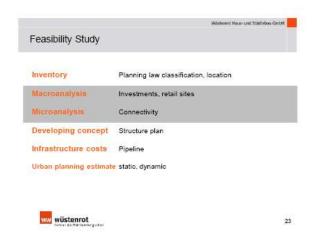


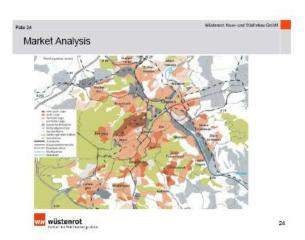






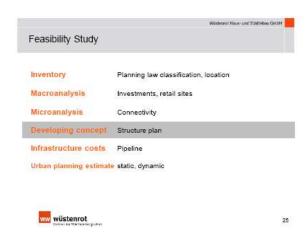
















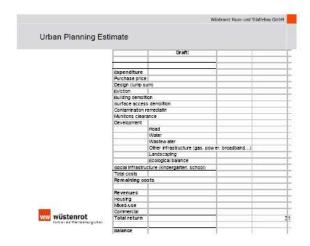


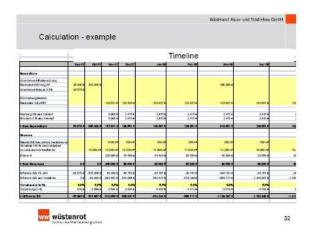


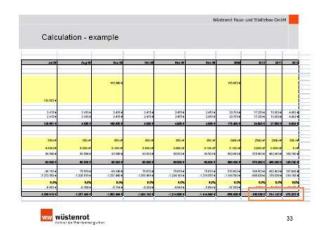












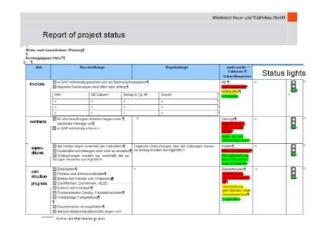


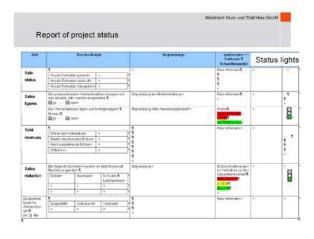














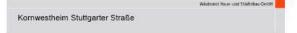






















www wüstenrot















Wüstenrot Haus- und Städtebau GmbH

Hohenzollernstraße 12 - 14

71638 Ludwigsburg Tel.: 0049 +7141 149-0

Fax: 0049 +7141 149-101 E-Mail: whs@wuestenrot.de



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5.2.7. The largest Regeneration Project in Slovenia - 230 ha.























- Urban renewal: transformation into a recognisable, programmatically rich and active part of the city, with intertwining activities enabling dwelling, working and leisure.
- Economic renewal: creation of conditions for an economically prosperous city district where the former employment in processing industry will be offset by new activities.
- Social renewal: creation of conditions for a socially alive city district, with homes in the private market and social rented housing, local service businesses and global production companies.
- Ecological renewal: ecology-promoting city district, cleared off old environmental burdens, enabling energy-efficient construction that utilise energy-efficient technological solutions.

Ivan Blanič, City of Ljubijana







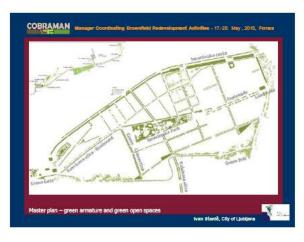




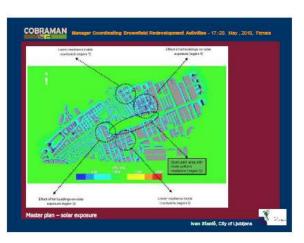
















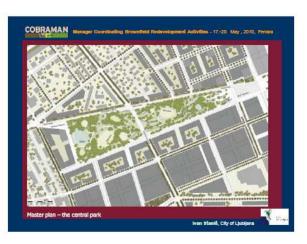


















5.2.8. Insurances and other instruments to cover risks from pollution/ Cooperation between economic and environmental experts in land valuation- a German approach











Cost Cap Policies (CCP)

- · A CCP may include a deductible as an amount above the estimated cleanup costs that an insured is obligated to pay before the policy is activated.
- · The most common deductibles range from 10% to 30% of the estimated cleanup cost.
- · Because CC policies are based on estimated cleanup costs, an insured party must complete a thorough site assessment before an insurer will review the engineering and provide a policy









Pre-Funded Programs (PFP)

- · Involve up-front payment of the anticipated expenses
- · Include a CC component
- · May include PL coverages
- · Require extensive site assessments

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Pre-Funded Programs (PFP)

- The policy is used for cleanup expenses, which the insurer pays as they are incurred by the remediation contractor.
- If the cleanup costs are higher than expected, the policy pays the additional costs up to the policy limit.
- The programs are appropriate for brownfields where cleanup costs are high (most commonly 5-50 Mio.€) and remediation is expected to take multiple years

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Summary

- · Early stage of investigation, no need for cleanup visible by early screening → PLP
- · Cleanup necessary, remediation plan set $up \to \textbf{CCP}$
- · As 2., in case of long lasting + extensive remediation → PFP

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Activities connected with valuing of brownfield sites

- · ITVA-Scientific.technical association for brownfield redevelopment - Working Group Valuing
- · Project "PROSIDE PROmoting Sustainable Inner urban Development" -INTERREG III B CADSES



Additional funds from Federal Ministry of Education and Research











Financial valuing of ecological damages at brownfield sites

ITVA guide

- · Part1: Definition of interface between finance and environmental expert persons
- · Part2: Enquiry of site/ riskanalysis computerised tool with comments
- Part3: Cost prognosis computerised tool with comments



Definition of interface (1)

- · Risks connected to claims
- · Risks connected to investments
- · Risks connected to usage



Definition of interface (2) Valuing is commissioned pre-check according to checklist Suspicion or concrete hint Recommendation to involve EE WG Decision: no involvement of EE Commissioning of EE Analysis of existing documents Work off cieck list Estimation range of uncertanaity if necessary investigation plan to reach higher level of knowlede Forecast of costs per szenario COBRAMAN STUTTGART EUROPE





Definition of interface (3)

Additional expenditures

- · Regeneration or safeguarding activities
- · Involvement of external expert and documentation
- · Obligations to prove
- · Surplus costs for disposal
- Fees
- · Health and safety actions for work

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Enquiry of site/ risk analysis (1)

Decision support for non experts in the field of environmental pollution.

When do suspicions or concrete hints lead to a significant influence on the environment?

Involvement of an environmental expert:

YES or NO?

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Enquiry of site/ risk analysis (2)

Ad hoc:

- which pollutants
- Quality and quantity of chemical substances
- . Potential to disperse/transport behaviour into surrounding/other environmental compartments

Typical factors for costs according to:

- Size of the site
- · Duration of use influencing the environment
- Accidents, known pollutant spread, loss in course of usage (filling
- · Location of potentially polluted site

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Cost prognosis

Guidance for experts in the field of environmental pollution as well as for well experienced finance persons involved in the evaluation of real estate

"Easy to use and transparent cost prognosis even on a low level of information"

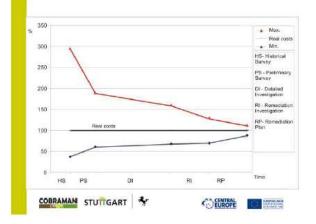
standardisation, prevention of the risk for legal liability

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Main objective

- · unpretentious collection of existing data
- · unpretentious estimation of expected costs

Critical circumstances

Low level of knowledge at the moment of estimation / usage of cost prognosis tool

Solutions

- Check lists for data collection and data analysis
- Simple algorithm for estimation of expected costs
- Solution for critical circumstances: Definition on required specific data right form the beginning already in the check lists.

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Screenshot cost prognosis tool



- Transparent and well defined interface between all actors.
- Objective criteria for involvement of an environmental expert.
- · Feasible and transparent cost prognosis.
- · Easy to update and upgrade.
- · Easy to use computerised tool available.

www.itv-altlasten.de
www.proside.info







5.3. Risk management by insurance options

Besides the methodology of proper engineering as described above, the market offers a variety of insurance solutions to be applied in the brownfield rehabilitation process. Although such solutions were applied in the US since the early 90ties they were rarely used and hardly known in Europe. The broad variety of options modified according to the national legislations can be grouped in 3 main categories:

Pollution Liability Policies (PLP)

Pollution Liability (PLP) policies are the most widely used and oldest brownfields insurance product. They provide protections against claims for third party cleanup costs, bodily injury and property damage arising out of pollution conditions on, under, or migrating from an insured site; legal defense expenses arising from third party claims; and cleanup conditions discovered by the insured at an insured site.

PL policy periods range from one year to a maximum of ten years. Insurers offer Extended Reporting Periods (ERPs) that lengthen the time which a claim may be made against the insured and reported to the insurer as long as the claim arises out of pollution conditions that commenced prior to the end of the policy period. Policies available typically range from 1 Mio. € up to 50 Mio. €. They all include deductibles for the insured party and premiums result at a few (2-5) percent of the policy, according to the anticipated risks of the specific brownfield site. Due to their nature to cover risks of unexpected contaminations PLPs were typically used in the early project phases (HS + PS) at sites, where no contaminations are to be expected according to the early screenings.

Cost Cap Policies (CCP)

Cost Cap (CC) policies help protect against costs incurred by an insured party that exceed the estimated cleanup costs based on a remediation plan.

The policies are not appropriate for cleanups of less than 1 million € to 2 million €. Given the fixed costs of necessary site engineering and the ease with which cost overruns can occur on small projects, the premium insurer would need to charge renders the policies cost-ineffective for small cleanups. Policy periods vary with the time it takes to conduct a remediation. The most common length varies from three to ten years, with ten being the maximum. Policy limits range from 50% to 200% of the estimated cleanup costs. Estimates of premiums by insurers range from 6% to 25% of the estimated cleanup costs at a site.

A CCP may include a deductible as an amount above the estimated cleanup costs that an insured is obligated to pay before the policy is activated. The most common deductibles range from 10% to 30% of the estimated cleanup cost. Because CC policies are based on estimated cleanup costs, an insured party must complete a thorough site assessment before an insurer will review the engineering and provide a policy.

Pre-Funded Programs (PFP)

Pre-Funded (PF) programs involve up-front payment of the anticipated expenses at a brownfield site where a cleanup is planned. They include a CC component and may include PL coverages. Like CC policies, the programs require extensive site assessments and are individually structured for specific projects. Four of the nine insurers in this study offer PF programs. One of these offers the programs infrequently and on a limited basis. For the remaining three, the programs function as follows.

At the inception, the insured pays the policy premium and the portion which represents the net present value of the expected cleanup costs is credited to a "notational commutation" account held by the insurer. The policy is used for cleanup expenses, per the terms and conditions of the policy, which the insurer pays as they are incurred by the remediation contractor. If there is a balance remaining in the notational commutation account at the end





of the cleanup, the insured can commute the remaining funds, thus receiving the account balance (which includes the interest accrued) and releasing the insurer from coverages associated with the program. If the cleanup costs are higher than expected, the policy pays the additional costs up to the policy limit. The programs are appropriate for brownfields where cleanup costs are high (most commonly 5-50 million €) and remediation is expected to take multiple years.

PFP are to be considered more or less as financial market products which include insurance components instead of representing a kind of insurance policy.

The analysis of the options described can be summarized with the following conclusion. Cost risks can be managed by insurance policies in case of

- Tarling Service 19/5/10 COBRAMAN, ICEDIAPA

Early stage of investigation, no need for clean-up visible by early screening \rightarrow PLP Cleanup necessary, remediation plan set up \rightarrow CCP

as 2., in cases of long lasting + extensive remediation →PFP

5.4. List of Participants

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Training Sember 19/5/10 COBRAMAN, 10E054P4

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COBRAMAN Attendance List

COBRAMAN, 1CE014P4 Ferrara, Italy, 17-20 Maggio 2010

Title of meeting: ECONONIC TEATINING SEMINAR The meeting is related to WP 4

Location and date of meeting: 20 5 10 Meeting is hosted by:

Title	First name	Name	Organisation	Signature
	Henrile	Froher	City of Shell of	Find
	DANA	ZAMPACUOVÁ	Cty of Shills of	700
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	Ivan	Starie	City of yesting	Justo -
	Maren	Gunzaligußes	City of Stuttgart	50
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COBRAMAN, 1CE014P4 Ferrura, italy, 17-20 Maggio 2010

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	Thumas	Zigel	Godf Shelkycerk	Feel





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COBRAMAN, 1CE014P4 Ferrara, Italy, 17-20 Maggio 2010

Title	First name	Name	Organisation	Signature
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	MILHAL	RABOROWSKI	Uni of Bydgosecz	Lalanovski
	Hartina	Geldena	Municipality of Chil ned Lope	
	BARBARA	STOPPACHEUS		0.34
	Alens	Libodey	Vist-Tu Detrow	Kapalan
	Hattlias	SCHH1D	aity of Stuffgart	Lorund
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6. 5th Seminar Usti 21.-22. September 2010

6.1. Agenda of training seminar

		raining seminar				
Tuesda		5 th Brownfield manager training seminar				
of Sept	ember					
time	T	topic	speaker			
09:00	09:15	Opening by the hosting and WP4 responsible partner	Frantisek Podrapsky / Thomas Ertel			
09:15	10:00	Elements of marketing for public sector	Miroslav Bartak			
10:00	10:30	Promoting Brownfields- the Approach of the State Development Corporation of Thuringia	Frank Leipe			
10:30	11:00	Coffee break				
11:00	11:30	Marketing of brownfield properties	L. Sindelarova			
11:30	12:00	Brownfield register as a mobilizing regional planning tool	Carsten Debes / Olaf Penndorf			
12:00	12:30	Case studies- brownfields in the Czech republic and abroad	Michaela Zackova / Katerina Erbenova			
12:30	13:30	Lunch				
13:30	14:00	Speed dating with experts				
14:00	16:30	City BF tour	Lenka Kindlova / Petr Nikolic			
16:30	17:00	Discussion and closing down	Jirina Bergatt Jackson			
Wedne	sday	5 th Brownfield manager training seminar				
22th of						
Semter	nber					
09:00	09:30	Creative cities- new approach to brownfield's redevelopment	Jaroslav Koutsky			
09:30	10:00	Ostrava- reactivating brownfields by culture	Blanka Markova			
10:00	10:30	Pilsen – European Capital of Culture 2015	Milan Svoboda/ Katerina Chabova			
10:30	10:45	Coffee break				
10:45	11:15	Stuttgart marketing approach to brownfields	Regine Zinz / Michael Schweiker			
11:15	11:45	Czech and British BF marketing experience comparison	Martin Duris			
11:45	12:15	Discussion				
12:15	13:15	Lunch				
13:15	13:45	Marketing of brownfields in Usti	Marta Saskova			
13:45	14:15	Usti Brownfield Redevelopment Strategy	Jirina Bergatt Jackson			
14:15	14:30	Tea				
14:30	15:45	Workshops:				
		Brief introduction on stakeholders role in bfs redevelopment process	Jirina Bergatt Jackson			
		Communicating and marketing brownfields: identifying the issue and including the issue in city priorities	Thomas Erte			
		Engaging stakeholders and partners- role play	Jirina Bergatt Jackson / Lucie Dolezelova			
15:45	16:00	Closing up discussion				
		<u> </u>	1			





- 6.2. Seminar themes
- 6.2.1. Elements of marketing for public sector





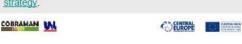






What is marketing?

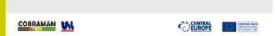
- As a practice, it consists in <u>coordination</u> of four <u>elements</u> called 4P's:
- (1) identification, <u>selection</u>, and <u>development</u> of a <u>product</u>,
- . (2) determination of its price,
- (3) selection of a <u>distribution channel</u> to reach the <u>customer's</u> place, and
- (4) development and implementation of a <u>promotional</u> <u>strategy</u>.



Elements of Marketing

What is marketing?

 Marketing is the social process by which individuals and groups obtain what they need and want through creating and exchanging products and value with others (Kotler).







What is marketing?

· Marketing is the process whereby society, to supply its consumption needs, evolves distributive systems composed of participants, who, interacting under constraints - technical (economic) and ethical (social) - create the transactions or flows which resolve market separations and result in exchange and consumption.







Elements of Marketing

What is marketing?

- Marketing focuses on the satisfaction of oustomer needs, wants and requirements.
- The philosophy of marketing needs to be owned by everyone from within the organization.
- Future needs have to be identified and anticipated.
- There is normally a focus upon profitability, especially in the corporate sector. However, as public sector organizations and not-for-profit organizations adopt the concept of marketing, this need not always be the
- More recent definitions recognize the influence of marketing upon society.

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Elements of Marketing



Elements of Marketing

Public sector marketing

- · In the 1990s, the public sector in various European countries started to see its clientele as customers and perceived the benefits of applying marketing tools and
- strategic marketing planning in order to 'sell' policies to citizens.

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Elements of Marketing

Public sector marketing

· Public organizations employ four types of marketing, which differ from each other in the objectives underlying them.

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Elements of Marketing

Public sector marketing

- First, 'marketisation' means that certain aspects of public sector activities become akin to commercial marketing in the private sector by subjecting products and services to the competitive forces of the commercial
- The aim is to bring down the price level and to bring the standard of quality more into linewith customer demands (Chapman and Cowdell, 1998).

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C ENTRAL EUROPE







Public sector marketing

- · Second, all organizations use marketing for promoting their self-interest.
- · For instance, Burton (1999) suggests that public organizations use stakeholder marketing to secure their continued existence by support from the market and society.







Elements of Marketing

Public sector marketing

- · Third, in the case of local authorities, marketing is used to promote the area under the responsibility of the public organisation, such as city marketing.
- · Finally, marketing may be instrumental in promoting key political objectives, i.e. the realisation of social effects.

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Elements of Marketing

Public sector marketing

· Marketing skills developed in the private sector can be employed in the public sector to promote and deliver non-profitmotivated services.

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Elements of Marketing

Public sector marketing

- The public sector is constrained in terms of the services it is obliged to provide and hence may be unable to implement a customer-led approach even if this is desired.
- · Constraints may include (Bean and Hussey, 1997):

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Elements of Marketing

Public sector marketing

- · legislative restrictions,
- · political philosophies,
- · lack of physical resources,
- · lack of financial resources.

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Elements of Marketing

Public sector marketing

- · Many public sector organisations provide services for the public good which are often restrictive and controlling in nature. In such cases the user is far from
- public sector does not depend on individual users for its survival: many organisations are in place due to legislation, government policies...

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Public sector marketing

 This does not mean that the public sector organisation loses customers, because it may be (Bean and Hussey, Ibid.):

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Elements of Marketing

Public sector marketing

- a monopoly provider so the customer has no choice but to accept the service on
- · offer even if it does not fully meet its requirements (e.g. social services);

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Elements of Marketing

Public sector marketing

- · offering a free service so the customer has to accept that something is better than nothing this is especially so if the customer cannot afford to pay for an equivalent service (e.g. basic education services);
- providing a service to customers which they must have even if they do not want it (e.g. Revenue & Customs services).

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Elements of Marketing

Public sector marketing

- · In the pursuit of marketing objectives an organisation requires a strategy that makesuse of the marketing mix. This term, originally used by Borden (1965), comprised ofthe 4Ps (Product, Price, Promotion and Place).
- · The original 4Ps of the marketing mix were considered by many to be too restrictive, particularly with the developing service economy.

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Elements of Marketing

Public sector marketing 4C - an alternative approach

- · Customer needs and wants
- · Cost to the customer
- Convenience
- Communication

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Elements of Marketing

Public sector marketing process

- Segmentation
- Positioning
- · Value oriented marketing
- · Marketing tools in managerial decision making process

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6.2.2. Promoting Brownfields- the Approach of the State Development Corporation of Thuringia































6.2.3. Marketing of brownfield properties







Marketing of Brownfield properties





Brownfields in Czech Republic after crisis

Possible impacts of the economic crisis on Brownfields:

Emergence of new Brownfields resulting from bancrupcies and tack of finance from private and public funds for existing Brownfields"

"End of the Greenfield development era, return of developers to the centres and Brownfields in favourable locations"

DTZ Brownfield Portfolio Strategy HCH. LOW Commental attactiveness.



Marketing of Brownfield property to investors & developers

Marketing to investors / developers:

- International
 Czech local small investors x large Czech investors with national or international significance

International and large Czech Investors:

- efficial and and a general and

Small Czech investors:

- Private equity Development transactions including smaller Brownfields



Introduction

DTZ is a leading global real estate advisor with over 10,000 staff operating under the DTZ brand across 148 office in 43 countries providing solutions for clients around the world. Since 1992 DTZ in the Czech Republic provides a broad spectrum of property-related services including ethics in the purchase, sele and lease of property, representation of tenants, valuation, property and asset management, consulting and research.

- DTZ Consulting & Research
 Specialised unit within DTZ
- Leading adviser in CEE on Brownfield regeneration strategies
- Excellence in Market Analysis, Economic Fessibility Assessment, Concept Design and Regeneration Strategies
- Experienced in advising both private and public sector

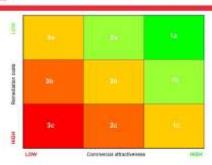
Major Brownfield projects of DTZ Consulting & Research in Czech Republic:

27 ha railway site of Orco Property Group in Prague 7,Czech republic

123 ha site of Tractorul Brasov, Romania



DTZ Brownfield Portfolio Matrix





Brownfield versus Greenfield

Location - Location - Location:

Pros: Brownfields often in good location within cities, utilities networks in place, proximity to other infrastructure, highways

Cons: Brownfield sites in many cases surrounded by other Brownfields, difficult situation for the first developer to start building up the location

Case - Vysočany, Prague 9



Marketing Brownfield Property

Říčany

- 2.5 ha site Small lot size CZK150-200 million X
- Small lot size CZK 150-200 million Former liquer factor Local private invastor entrepreneur Josef Teske with equity intends to create a small shopping centre with a municipal cultural hall, covered market place, services, First phase to be completed 2011 Site bought 4 years ago Construction progressing



Pragovka, Prague 9

- 22 ha site, of of the largest BF in Czech

- 22 ha site, of of the largest BF in Czech
 Republic
 C2K 1 billion
 heavily poluted former manufacturing site
 500 million CZK decontamination costs
 Monumentally listed and protected
 buildings
 Marketed beginning 2008, interest from
 international investors, large Czech
 Impeditors Investors







Marketing Brownfield properties

Real Estate Market Basics:

✓ Supply versus Demand
 ✓ Profit versus Cost – Brownfields often negative value (demolition and decontamination costs)

Brownfields difficult to finance, difficult to sell end product



Municipalities need to offer more with Brownfields than with Greenfields

- Careerinteros:

 *Large attractive Brownfields in Prague and large regional cities alread investors

 *In ornalier regional cities limited real estate market for large investors

 *Small Czech investors do not have large equity

 *Municipalities to decrease the risk levels for investors (PPP) rifields in Prague and large regional cities already sold to



Marketing Brownfield property to occupiers

Specifics of marketing Brownfields to occupiers:

Brownfields often have an Image problem – need to make the location attractive

Need of a complex long term vision based on solid indepth analysis of long term market supply and demand, SWOT analysis, cost and benefit analysis

Importance of cooperation of the developer with the city (municipal investments into infrastructure)



Marketing Brownfield property

Nové Vysočany

250 ha area in Prague 9

Developers in the area: Codeco, Ablon, AFI, Creviston, FINEP, CPI, IMOS Development, BCD Group





Questions?

Lenka Šindelářová Consulting & Research

DTZ Czech republic a.s. Ovocný trh 1096/8 117 19 Praha 1 Tel: +420 226 209 100 www.dtz.com/cz lenka.sindelarova@dtz.com



Marketing Brownfield properties

Marketing Brownfield properties

Vaňkovka Brno

Excellent location in the inner city
- Unique setting point to the investors – natural footfall from Main Train Station to the Bus station

➤ Good timing - ECE came in 2000, start of construction 2004, completion of the mail in 2005





Marketing Brownfield property to occupiers

Marketing tools

✓ Brand the project & use visualisations, showrooms, other visual aid for marketing

✓ Create Unique Selling Points – historical heritage, high ceilings, high floor loading capacity, natural footfall, power supply

√Create landmark project – Zlatý Anděl

✓ Provide amenities and services

√ Attract anchors

 Add non-commercial functions to increase attractivity of commercial space (Cultural, Creative Industries, Public institutions...)



Marketing Brownfield property

Sheffield cultural industries quarter

> District in the centre of Sheffield, UK

> Cluster of music, film and science based businesses in the area. Businesses based in the area include:

Showroom cinems (art cinems in a 1936- art deco building which was formerly a car dealership)
Red Tape Music studios
Leadmill night cub and venue (in the former flour mill)
Sheffield Hallam University Students' Union
Sheffield institute of Art Gallery
Sheffield Live Site Gallery
Spearmint Rhino

6.2.4. Brownfield register as a mobilizing regional planning tool

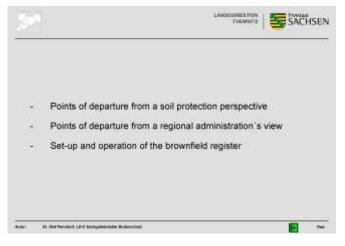




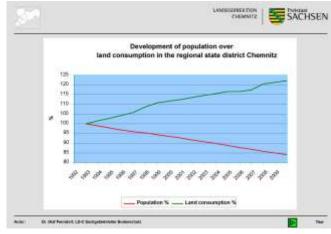


Brownfield register as a mobilizing regional planning tool

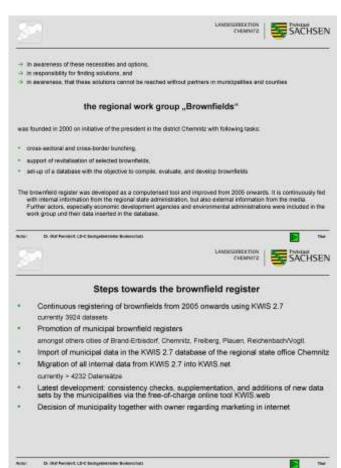








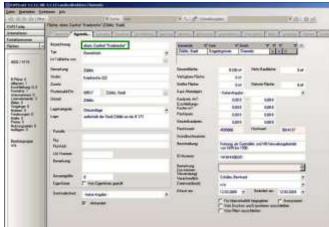


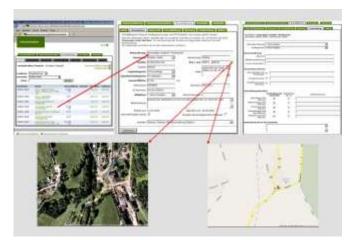






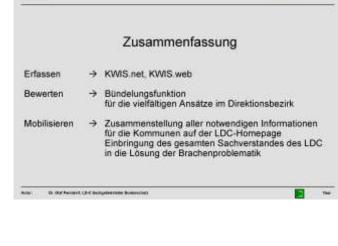
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Schaffung einer rechnergestützten Bewertung der Brachflächen
 Erfassung / Verknüpfung der geographischen Läge im / mit dem KWIS
 Modellhafte Überführung des Kataster für die Arbeit im gesamten Land (vorrangige Maßnahme im seknisischen Handlungsprogramm zur Reduzierung der Flächeninanspruchnahme)











ReSource for Cobraman Activities relevant for brownfield managers



Carsten Debes Project coordinator ReSource County of Zwickau





This project is implemented through the CENTRAL EUROPE Programme co-financed by the ERDF.

ReSOURCE Project













Relevant activities Work group "Natural potentials"

Biomass production on mining land

- 4 thematic studies finalised by PPs from DE, SI Joint thematic report under elaboration 2nd open thematic workshop planned for 8 or
- 9/12/10 in Großräschen (DE) > external participants welcome! idea of specific spin-off EU project ...

Geothermal energy from mining sources

- 4 thematic studies finalised / under elaboration by PPs from DE, SI, CZ
- 2nd open thematic workshop on XXXXXX > external participants welcome!
- Joint application for specific IEE spin-off project launched in June







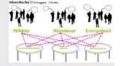




Relevant activities Work group "Integrative Approaches"

Masterplans for mining land

4 masterplans finalised / under elaboration by PPs from DE, SI, CZ, e.g. application of scenario techniques, civic participation



Urban conversion approaches

1 concept finalised, 2 competitions under elaboration by PPs from DE, AT for conversion of railway terminal and improvement of urban mining settlements







Relevant activities Work group "Cultural Potentials"

Tourist routes of mining attractions

5 implementation plans under elaboration by PPs from DE, SI, CZ, HU

Tourist utilisation of mining railways

1 concept finalised, 1 concept under elaboration by PPs from AT, HU













Relevant activities Work group "Scientific support"

European Initiatives Analysis

- Collection of 50 good practise examples
- Collection of 23 centres of knowledge
- > in thematic clusters (e.g. biomass, geothermal energy, tourism)
- Presentation on maps
- To be developed towards a public accessible "post-mining knowledge base" via internet until 2011















Next events

- Fair presentation of ReSource at EUREGIA in Leipzig: 25-27.10.10, public
- eu regia
- Mid-term symposium "There is life after mining" as part of the EUREGIA on 27.10.10, public
- Further thematic meetings biomass, geothermal energy, tourism end of 2010, semi-public
- April 2011: Thematic symposium "cultural potentials" in Leoben (AT), public
- Oct 2011: Thematic symposium
 "integrative approaches" in Sokolov (CZ), public











Mid-term symposium "There is a Live After Mining"



- Mike Ballantyne (Heart of the Nat. Forest Foundation, Bath Yard, GB): Coal to Conkers Transforming coal mines into a tourist
- Prof. Dr. Oliver Scheytt (Executive Director RUHR.2010, Essen, D): Capital of Culture RUHR.2010 Mobilisation of cultural potentials in an old industrialised region
- Brigitte Scholz (IBA Fürst-Pückler-Land, Großräschen, D): IBA Fürst-Pückler-Land 2010 New opportunities for post-mining landscapes

27/10/10 in Leipzig (Germany) at the EUREGIA fair ...









You would like to stay informed?

Project results:

www.resource-ce.eu

Subscription to ReSource newsletter, additional news-flashs via network MINEC: www.minec.org

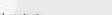
> Individual contact: tel: +49 173 54 74 386 carsten.debes@landkreis-zwickau.de







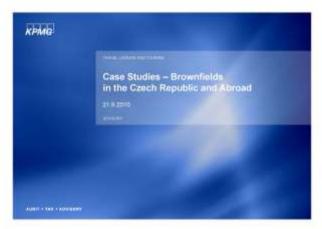








6.2.5. Case studies- brownfields in the Czech Republic and abroad



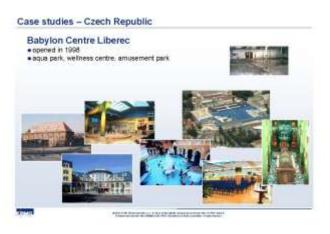






























6.2.6. Creative cities- new approach to brownfield's redevelopment

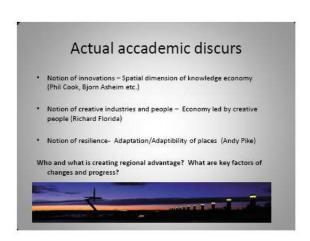














Soft (entrepreneurial and individual) factors of development SF have in/-direct impact on spatial mobility of human resources and businesses and the economic performance For example: Business friendly public administration Image of the locality and local identity Quality of housing, shopping, public transportation Quality of built amenities – sport and culture infrastructure, Quality of environment and perception of natural amenities; Quality of education in the locality In broade sense: Social capital and quality of communication and cooperation in the locality, quality of innovation system, innovative





Soft factors of development - selected hypothesis

- In the most developed localities in Western Europe (but not only) is the improvement of soft factors important and broadly discussed by academics and practicioners development strategies) after hard factors became ubiquitous
- The cities and regions in Western Europe create institutions and implement strategies for improvement of SF (local governance structures and policies) and subsequently attracting creative class and businesses with high added value
- But due to <u>"cognitive lock-in"</u> in <u>postcommunist countries</u> and their mainly urbanised and industrialised regions there is <u>no academic discussion</u> and no practical systemic activity in the field of development of soft factors

Central Europe - soft factors

- In Central Europe "low road strategies" (via low costs) and reindustrialisation are forced by governance structures: emphasis on the improvement of hard factors (large industrial zones, investment incentives ...), no attention to soft factors
- There is a need for academic critical discussions on growing importance of SF and a need for consequent implementation of new development strategy for the old industrial regions in the Czech Republic (not "only" hard factors but soft factors as well)
- Through know-how transfer from analogous localities and fine-tuned adaptation / imitation (best practice approach) of strategies for the improvem of soft factors it is possible to improve the quality of life in OIA and attract or stabilized high quality human resources

Research questions

- What are the most important hard/soft <u>factors</u> of development / restructuring / regeneration of old industrial areas in general?
- Why are the soft factors becoming so important in current socioeconomic development?
- What role do the soft factors of development play in the <u>restructuring</u> of OIR in cities of Europe (Germany, Austria, GB)?
- How can be improved the quality of particular soft factors (in Europe/EU)?
 What are the strategies in analogous localities / regions?
- What is the current quality of soft factors in our 2 OIRs in CR?
- What has to be done to improve significantly the quality of soft factors in OIRs in the Czech Republic?

Preliminary conclusions

Nowadays the <u>city and regional marketing</u> are the institutional instruments for the improvement of soft factors like image, cultural infrastructure and events, housing, ...and for the improvement of the attractivity of the city in order to attract more creative industries and creative people









6.2.7. Ostrava- reactivating brownfields by culture









Cluster

- The term cluster comes from the spheres of computer technology (fall group of cooperating computers) and economics (risesgnating in association of cooperating economic subjects). A cultural cluster is defined as an area of the city with a high connectration of cultural and social institutions. In the past lace decades, cultural clusters (risitural quasters) have become a dynamic concept in the development of a city's cultural environment, in the Linked States and Cenari Strain is has become a defining total of city development. Physical processity (the process of clustering) brings a mumber of advantages to the unbox socials a resistance in transaction costs, increased capital and information inclusions, export for social evidence of costs, increased capital and information inclusions, export for social evidence of a simplified and more intensive exchange of information, goods, and services, personal contact, the emisigence of a creative enhancement, education, each an exchange of practical knowledge and experience. A cultural cluster may produce a fundamental identifying element for local integral and of a place in becomes one of the dominant media images and general conceptions of a city.

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Cluster Black Meadow

- in contrast to other European cultural clusters. Black Meadure offers enrichment of another dimension. Its value added can be found in its social, sociological, and ecological aspects. The cluster is conceived as integral to the living.
- space. It synergistically locates residential buildings with schools of all types proschool elementary, end high schools of all types proschool elementary end high school, connecting them to a green environment, a river, and to the buildings of the Exhibition Pavilion, Puppet Theatre, Concert hait, and Municipal Galley, among others.
- fall, and surplus states of construction and reconstruction, and its demands (ecological financial, and aesthetic) offer a new perspective
- Budget 134 000 000 EUR
 Humanization of the Detravios River











C 200004 100000

COBRAMAN

Ostrava - reactivating brownfields by culture









Black meadow

- 27 ha, shared 150 m from a central city square on a former brownfield, greenery and several parkinns of the exhibition grounds. The Puppel Theater, the Moravier-Siesian Netroal Theater, Cottow Castle stand dose to the area.
- Castle stand close to the area. Black Meadow is part of the development area neighboring the national cultural incrument of the solessies metables complex known as the Lover Area of Vibrosice (European Cultural Heritage), and the area of the fature downtown business and residential zone known as "Nová Karolna."













Examples of clusters

- Museum clusters; Museums-Quartier (Verma), Museumanner, Bersin).

 Cultural mix. Witto de Wilhstraut (WdW) in downtown Rotherlann is a dance network of museums, geleiner, and other cultural institutions, as well as stores, redusants, and cafes (if was once a neglected city allea with a high incidence of come and ding abuse). Westeregetablories (WdF), a former gesecrics wast of downtown Amsterdam, has become the focus of hundreds of cultural institutions, testivials, an companies typical for the creative industry.

 Zethe Zollversin concert cluster in Essan















Cluster Black Meadow







Winning concept of Cluster Black Meadow



Winning concept of Cluster Black Meadow



"New Vitkovice" Reactivation of the Lower Area of Vitkovice

- 255 hectaires, numerous industrial shuctures, extensive brownferios (reclaimed), as well as functioning businesses.

 Part of the area, comprising 47.3 hectaires, includes a national cultural tensman of industrial businings, in 2008, the industrial area of Lower Villeoyce was added to the Succeptan Cultural Heritage inconuments list.
- monuments let.
 This technologically exceptional closed mining duelor integrated coall mining duelor integrated coal mining, colong, and the production of electrical energy and iron. At the same time, the complex became a dishinctive vertical morphological element on the arban paramente. In province become the serves as a dishinctive feeture of Celtrieva's image.













Lower Area of Vitkovice

- The first phase of the reactivation of the Lower Area of Vilkovice includes the The first phase of the reactivation of the Lower Area of Vilhores includes the registeration of the blank funneces and coloring plant—using the existing studings (under historical preservation) for multi-functional purposes. The individual subprojects in the areas of outtime, education, and production have turned the site into a new urban space, syntholizing a modern areas of the region's past; present, and future. The main focus of future non-commercial uses of the national cultural landmark will be educational advillege and expanding the cultural uses and services in the region with all the attendant positive effects of its existence.













Lower Area of Vitkovice

Three projects make up the first phase of reactivation.

- To Functional recommends of the Energy Central into the "World of Technology" interactive museum while retaining its historical equipment.

 2. Conversion of the former gas holder into a commantly and convention between the large-capacity, multi-function auditorium and restaurant.

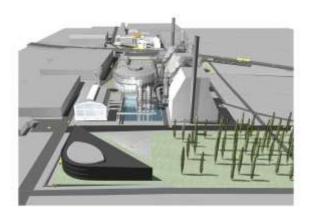
 3. A four rouse which will present and explain all technological processes. The spatial proximity and integration of the production complex is unique in Europe.















Lower Area of Vitkovice funding

- Rem name (project) investment expenditures in militans of EUR
 Ustfedna (Energy Central) 6.9. Blast furnice no. 1.2.0; Gas holder 10.4; Management, address/salation, and overhead 0.7.
- TOTAL 20,0
- investment costs 19.3

- immestrant costs 19.3
 non-investment costs 0.7
 immester: Lower Area of Vitkovice, associations of legal entities
 Sources of funding: 950% EU Structural Funds, KIP operations program,
 Proofty axis 5 institute support for regional development, Area of intervention 5.1 national support for utilizing potential outural hardage. Funded activities 5.10
 restriction of model propagate for markening and samp the most significant components
 of the Costch instructal properties fund. VAT in the amount of 3,500,000 EUR will be
 continuously financed by the Associations' own resources
 Term of project realization. 12/2505-12/2013
 Annual estimated operational costs: 295,000 EUR









The FACTORY, a cultural centre for the young generation

- Ostava cardidacy catasysed the youngest generation towards an independent initiative to establish the Factory, which provides the conditions for the perceiving reflecting on and creating antiby young people and offers space for experimentation, movement, instrumed a creation, progressiveness, participation and integration. The initiative parient is own space in the building of the so cased to the 3th destinours (1800xi2) within the complex of the Historia Mine restoral catural monument.

 Operations of the Factory begins on 1. May 2010.

 The Hubina Mine is in a strategic location in close provintly to the Lower Area of Vilkovice and the Black Meadow Cluster.







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6.2.8. Pilsen – European Capital of Culture 2015





Kateřina Chábová, Milan Svoboda

Brownfield Manager Training Programme 5th Training, 21. - 22. 9. 2010

d second



Pilsen towards the ECoC title

2006 - start of preparation

2007 - official approval of the City Council

2009 - 1st round Ostrava, Hradec Králové, Pilsen

2010 - 2nd round Ostrava and Pilsen

2011 - Pilsen will be named for ECoC by European Council

expedito



Key Investment to Cultural Infrastructure

- 4x4 Světovar "Cultural Factory"
- Design and Lifestyle Museum
- New Theatre Building
- New West Bohemian Gallery Building
- Revitalization of the Struncovy sady area
- Greenways in the River walleys
- Use of Public Spaces for Culture

• evaluate



Pizen 2015



Světovar - Location

- south eastern suburb of the city
- close to highway
- good connection to public transport /tram/









Pizeň 2015



Světovar - history

1910 - 1913 - brewery was built

1932 - brewery became the part of Pilsner Urquell

1933 - production was stopped

1934 - 2004 - area was used as warehouse and army area

2004 - City negotiates with Czech Army the possibility to get this area under its own property

2006 - east part of area given to the City ownership

2008 - historical building are protected as a historical heritage

2009 - decision of usage of two historical building for culture

· www.itentititi.co



Plzeň 2015

Světovar - planning

2004 - planning started - how to use area for housing and public infrastructure

2005 - public discussions and workshops

- feasibility study

2008 - land use plan changed

2009 - study for 4x4 CF, City Archive and Museum

2010 - two questions

? how to connect culture and other usage

► architectural competition

? how to manage cultural centre effectively and sustainably

▶ several workshops incl. Future City Game

-















Two parts

- Hall for 2000 visitors, café/bar with 100 seats, lobby, offices
- 2. Rooms, studios, ateliers, accommodation, reception

14



Světovar - Cultural events

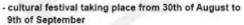
2006, 2009, 2010 - International theatre festival Divadlo

2010 - Graffiti Jam

2010 - Světovaření http://www.svetovareni.eu

-) respective





intent: to test this area how could be used in a future after its revitalization

- program:

exhibitions workshops light show video art dance music

...and more

0.V9



Plzeň 2015



Pizen 2015

· Designation

16

Světovaření

Exhibitions

- creative residence and artists' exhibition special creations, painting
- videoart installations of theses of the UUD Pizeñ multimedia students
- exhibition of light art of the students from SSUS Zámeček
- exhibition of the proposals from architectural competition 2010

Note: 19.9. exhibition Sladime Evropu aneb evropske mapy! Sweetening Europe or European maps – women through the eyes of Forman Brothers









Pizeň 2015

Světovaření

Workshop / 30, 8, - 6, 9,

 workshop BUTÖ dancer Ryuzo Fukuhara in collaboration with Days of Japanese culture and Johan Centrum







- ...and more
- café, tea room, bar
- workshop production of light lanterns under the guidance of Mr. and Mrs. Brucka
- 4 PM daily screenings of documentary films about human rights
 Jeden svét / One world
- animation film projections created on site during the animation

-) ***************











6.2.9. Stuttgart marketing approach to brownfields



Stakeholders

- · Department for Real Estates & Housing
- → sale of municipal areas for housing
- → contact point for housing investors



- Department for Municipal Economic Development

 → sale of municipal indust./ commercial areas

 - → contact point for <u>all kinds of investors</u>
 - → service orientation



- · Project related:
 - Brownfield Managers supporting upcoming developments
 - → connecting interests (mixed use areas)
 - → creating awareness of potentials / problems











Strict separation of stakeholders concerned either with housing or industrial / commercial developments weakens intregrated approach to Brownfields

→ "passing the buck"

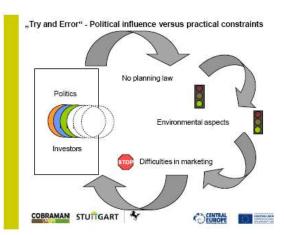


- · Vanity Fair instead of dialogue
- Investors interested in personal contacts, less in information platforms
- BF redevelopment = long process, no quick success!



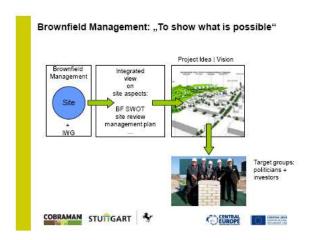












Experiences & further activities

- · Brownfield management as useful interlink between departments covering aspects beyond marketing → all interests to table
- "Look behind the scenes" (political interests) hardly possible → municipality has to take an active and self confident role
- . "Together we're strong!" IWG
- · in COBRAMAN: further development of integrated web presence for Brownfield Sites



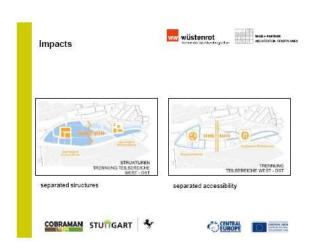


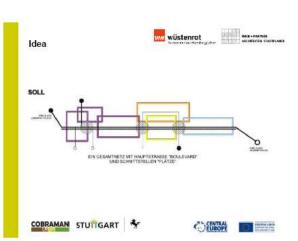


























Further Steps

- reaching municipal consensus on Mayor's level: plannings correspond with planning law, market situation, environmental aspects...
- · Information of political committees
- Contact of Craftsmen Associations to define exact needs
- · Deepening contacts to private owners
- Public relations & promotion of Area Quellenstraße







6.2.10. Czech and British BF marketing experience comparison



Introduction



Brownfields in UK and Czech Republic An Engineer's Experience

Presentation for COBRAMAN Training Programme 5th Training, 21st – 22nd September 2010

Dr. Martin Duris

or. Martin Duns

- PBA Engineering Consultancy
- 500 staff in total
- 400 staff in UK, 100 overseas
- Prague Office since 1999
- Brownfields Regeneration and Land Development are the main business areas
- HQ located in Reading, former industrial centre in SE England

Peter Brett Associates LLP



Reading



- History industrial city: brewing, biscuits (Huntley and Palmers), bulbs, bricks
- Dull, undesirable place to live in or visit





Reading



- Regeneration over the past 20 years has changed Reading out of recognition
- Production changed to high tech IT companies (Microsoft, Oracle) with offices in the centre, leading to pedestrianisation
- · Huntley & Palmers demolished, just one building left



Reading



City centre regeneration included construction of a



Reading



- New business was also attracted with extensive regeneration of edge of town sites:
 - Thames Valley Park, former coalfired power station
 - Green Park, former landfill & other low grade land
 - Madejski Stadium, former landfill, now home to a Premierships team





Reading



Reading

















Reading



- Reading is now one of the top SE destinations for retail (The Oracle Centre)
- The Reading area is one of the best performing regions in the country
- . It has become a desirable destination





Prague & Czech Republic



- Has not benefitted from the post-WWII growth as UK
- · Many old factories, dilapidated industrial estates
- Poor maintenance, poor quality of construction, heavy pollution
- Sometimes arrogant decision-making by the ruling party left big scars
- Proper regeneration activities started only 10 to 15 years ago
- Issues identical to UK, but delayed, some issues more prominent, lack of public funds

Prague







- Zizkov Cargo Station redevelopment
- Former cargo station, full of old tracks, buildings and contamination
- Massive size 55 ha
- Two private developers Discovery and Sekyra Group
- Discovery northern part, 30 ha, 1st phase 6 ha
- Future uses residential, office, retail (300m x 120m), hotel
- Project value CZK 6 billion

ZIZKOV Galgo Glation







Zizkov Cargo Station



Zizkov Cargo Station







Prague



ELI Laser Centre



- Laser Centre Dolni Brezany
- ELI Extreme Light Infrastructure (laser)
- Former wood processing plant
- Site 8 ha, buildings 35,000 m2
- EU-funded, supported by Ministry of Education & Institute of Physics of the Czech Academy of Sciences
- Four buildings: laser hall, labs, offices, lecture halls, library, gallery
- Project value CZK 1 billion





ELI Laser Centre



Engineer's role



- · Developments can be Engineer led
- Green Park PBA were approached by the landowner 25 years ago for advice on how to develop the land
- Opportunities identified, PBA approached Prudential as a potential investor
- Green Park has become one of Pru's flagship projects
- Same story with Thames Valley Park
- PBA still look to introduce potential investors to land that needs another use (quarries, landfill sites, etc)









Brownfield vs. Greenfield



- Often high clean-up costs, public funding often necessary (gas works, heavy metal manufacturing particularly onerous)
- · Service diversions and tight access frequent issues
- Advantages in town centre connectivity to public transport and well served by the utilities
- · Greater attention now given to retain & restore industrial buildings – more sustainable, retains character of the site
- Greater emphasis placed on retaining or establishing communities through mixed use developments, even business parks
 Some recent redevelopments were too sweeping, removed character & critically damaged or destroyed communities

Image & Wealth



- · Regeneration stimulates growth, but:
- · Needs to be supported by local availability of
- Businesses need to be willing to relocate and/or expand (attractive image)
- · New communities must be created
- Mix of old character and new imaginative landscaping
- · Public money needed for clean-up

Image Change











6.2.11. Marketing of brownfields in Usti















Communication and Marketing of Brownfields in Usti

Before COBRAMAN:

Communication of BFs was supplied by communication of squats, deprived areas or old industrial areas

- Mostly individual plots/ properties
- Long term concepts mainly missing
- Maximum/ only effort put into "hot potato" cases









Communication and Marketing of Brownfields in Usti

Before COBRAMAN:

we pioneered with "Revitalisation of Krasne Brezno and Nestemice" project

- Urban study introduced to stakeholders, MM and the public
- Trade fair presentations
- Articles in professional magazines
- Pilot activity in the CIRCUSE project

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Communication and Marketing of Brownfields in Usti



Communication and Marketing of Brownfields in Usti







Communication and Marketing of Brownfields in Usti



Communication and Marketing of Brownfields in Usti

Concurrently to COBRAMAN:

we have been working on promoting Lake Milada area since 2006

- graphical design
- www.lakemilada.com
- 3rd year of Cycling race and Kids' day
- Analytical and Strategic Study for Tourism Development
- Appeared in the COBRAMAN database







Communication and Marketing of Brownfields in Usti



Communication and Marketing of Brownfields in Usti

What is our experience during COBRAMAN: communicating BFs is a very complicated task

from the very beginning

- BFs in Usti are mostly owned by private owners
- Not everybody knows what it is
- It's not easy to explain
- It's often replaced by other meanings







EUROPE SAFEREN



Communication and Marketing of Brownfields in Usti

What is our experience during COBRAMAN: we organised 3 meetings with brownfield owners

- The owners were mostly surprised
- How to attract participants if there is no money/ funding
- How to maintain attendence at all meetings'
- It is essential to reach out to people during the coffee breaks ©









Communication and Marketing of Brownfields in Usti

What is our experience during COBRAMAN: we inform the public about COBRAMAN at

www.usti-nad-labem.cz



COBRAMAN U







Communication and Marketing of Brownfields in Usti

What is our experience during COBRAMAN: Our most powerfull tool is supposed to be the DATABASE.

We are aware it's not the database itself, but PEOPLE who operate it.



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Communication and Marketing of Brownfields in Usti

Importance of communication and marketing for brownfields redevelopment in Usti

Usti Brownfield Redevelopment Strategy

practical ways of marketing

avoiding mistake of theoretical marketing "wisdom"









Communication and Marketing of Brownfields in Usti

Usti Brownfield Redevelopment Strategy

Exploiting all the legal, formal and informal tools, which aid brownfields reuse

 Active identification of financing sources and resources with an aim of maximizing a leverage effect

PRIORITY 3

- Increase of information flow and improvement of development skills PRIORITY 4

- Improving quality of life in the city

COBRAMAN II







Communication and Marketing of Brownfields in Usti

Usti Brownfield Redevelopment Strategy

PRIORITY 3 - Increase of information flow and improvement of development skills

- Information campaign to communicate the brownfields strategy to public
- Upkeep and publicity of the brownfield inventory
- Increasing development skills of the city executives and administrators
- Increasing development skills of brownfields owners
- Connecting to international project enabling sharing brownfields and development experiences









Communication and Marketing of Brownfields in Usti

Usti Brownfield Redevelopment Strategy - priority 3 Activity 1: Information campaign to communicate the brownfields strategy to public

integrated approach

"one communication"

Responsible:

Department of Strategic Development











Communication and Marketing of Brownfields in Usti

Usti Brownfield Redevelopment Strategy - priority 3 Activity 2: Upkeep and publicity of the brownfield

inventory

public database



Department of Strategic Development Department of Spatial Planning

COBRAMAN U

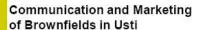












Usti Brownfield Redevelopment Strategy – priority 3 Activity 3: Increasing development skills of the city executives and administrators



support to education networking

Responsible: City Hall Directory







Communication and Marketing of Brownfields in Usti

Usti Brownfield Redevelopment Strategy - priority 3 Activity 4: Increasing development skills of

brownfields'owners

continuous communication

Responsible:

Department of Strategic Development Department of Spatial Planning

COBRAMAN U







Communication and Marketing of Brownfields in Usti

Usti Brownfield Redevelopment Strategy - priority 3

Activity 5:

Connecting to international project enabling sharing brownfields and development

experiences

responsible and longterm thinking

Responsible:

Politicians

Department of Strategic Development







CENTRAL EUROPE

Communication and Marketing of Brownfields in Usti

What will secure continuity of BFs marketing activities AFTER COBRAMAN?

CircUse project

- running CE project
- Revitalisation of Krasne Brezno and Nestemice" Pilot commercial property due diligence









Communication and Marketing of Brownfields in Usti

What will secure continuity of BFs marketing activities

AFTER COBRAMAN?







Partnership for Czech brownfields

- applied for recently
- programme supporting competitivness through education
- multilateral experience of communicating BFs within the Czech environment on different levels

COBRAMAN





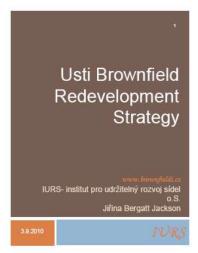








6.2.12. Usti Brownfield Redevelopment Strategy



IURS About IURS

IURS is a non-profit advocacy, research and project implementation organization, which aims are:

- working to support sustainable land use development practices,
- strongly focused on issues of underused urban land, containment of sprawl and sustainable urban development,
- to foster broad coalitions that enhance the competitiveness of accessible and equitable urban development and redevelopment.

IVRS Presentation content

- Process of preparing the strategy
 Analyses
 Location, spatial impact and
 Brownfields indicators
 Graphical analyses
 Key locations
 Policies, Main trends and Key issues analyses
 Principles of approaching brownfields in a non market situation
 Local examples of a creative brownfield reuse
 Strategy main goal
 Strategy main priorities and measures
 How to implement a strategy
 - reuse

 Strategy main goal

 Strategy main priorities and measures

 How to improve a strategy

 How to implement a strategy

 Indicators of the strategy deliverance

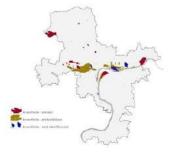
Process of preparing the strategy

- Data collection in an analysable format
- In depth analyses, which helped to understand city's brownfield situation
- 3 public meetings with stakeholders
- Consultation with political leadership
- Close cooperation between the consultant and the city Strategic development department
- Publishing of the short strategy version on the city web for commenting

Analyses outcomes Location of brownfields



Analyses outcomes Spatial effect of brownfields



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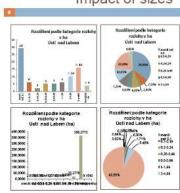




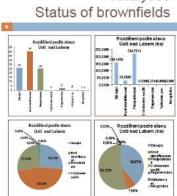
IVESAnalyses outcomes Brownfields

		indicators	
ВА	indikátor	2010	co indikátor vypovídá
BA1	počet brownfeids	57 (72)*	solic je bezveršnikis v Ameri
BA2	ploche brownfatts	425,50na (204,49ba)*	jaloj maji piotinji dopad na izveni
BA3	Shall reper, briffel, of minal, linest, Show-fields (fa)	0.54%	jak efektivni je regunerace
BA4	Department (hij 2006 Emiterhylio conti (hij)	11,7% (5,9)*	indec brownfeldå v zastanledn szemi
BA5	Department (NG x 100 Designation (NG x 100)	CHIS	Index browsfelds a rostojonjch ploch
BA6	Discontacts (has	7.	dobs, as literal budge broadfeldy spully v případě, že by vedkený rozvoj smělova na ně
ват	Streetheids (has 2 100 Suprembo comm (ha)	4,57%	Index postituti (presi trounfeldy

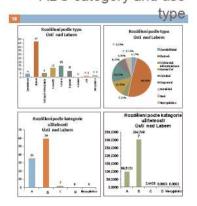
Analyses
Impact of sizes



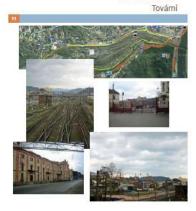
IVRS Analyses
Status of brownfields



IVRS Analyses
ABC category and use



IVRS Key brownfield locations



YURS Key brownfield locations

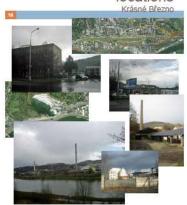






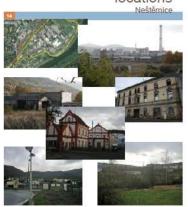
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Key brownfield locations



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Key brownfields locations



Key brownfield sites



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Analyses Main trends

- Location on infrastructure +
- Environmental quality
- Inner city quality improvements
- Regional city status
 - +
- Demography figures
- Education attainment
- Blankas

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Analyses Approaches and

policies

- Brownfields as an issue are identified in the document "City Development Strategy until 2015") priority 3.1, Creation of quality urban development (approved 2007)
- The first proposal for the new local plan (March 2010) is paying not much attention to brownfields reuse and it is deregulating a vast amount of
- vast amount of

 Greenfield land rice

 Greenfield some only a few brownfields

 City activities towards
 brownfields' owners of ar brought not much of a positive outcome

Analyses outcomes Key issues

- 79 brownfields,11.7% of build up area
 429ha of brownfields (cc 2.4 ha

- 429ha of brownfields (cc 2.4 ha regen.)
 At this rate regeneration would take around 300 years
 3 large areas, all with state/state companies owned land in their midst 22% of city B. Iand is owned in this form and there is a little cooperation so far
- form and triefe is a little cooperation, so far

 Competition between large brownfield locations for development activities

 New proposal for the LP adds to this another cc 700ha of Greenfields (together cc 1100ha of developable land!)

 Low market and competition of other large regional towns

 Low proactively of local government

 No regional partnership,

 Insufficient and uncoordinated policy





reuse

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Approaching brownfields in low market situation

Partnerships and public sec. proactivity

- Regional partnerships Stakeholders cooperation Pro-activity of local govern Creating delivery vehicles

2. Development tools

- Integrated development approach especially for large brownfields areas Curbing the Greenfields deregulation Taking brownfields from the regime of developable land

3. Economic tools

- Supporting development of bankable projects Placing public project onto brownfields
- nn develonment skills

4. Marketing tools

- Improving city image Marketing developme

5. Mitigation measures

- Supporting temporaly use for brownfields
 Creating alternative uses for brownfields

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Priorities

Exploiting all the legal, formal and informal tools, which aid brownfields reuse

IURS Examples of a local

creative brownfield

PRIORITY 2

PRIORITY 1

Active identification of financing sources and resources with an aim of maximizing a leverage

PRIORITY 3

□ Increase of information flow and improvement of development skills

PRIORITY 4

Improving quality of life in the

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Main goal of the strategy

☐ In 10 years to reduce brownfield land by 100ha (23,28 % reduction), while creating conditions, which enables owners and investors finding new uses for brownfields, so that brownfields stop being a burden and start to bring city an income or other wider benefits.

(100% = 429,5ha)

IVRS Measures - Priority 1

Exploiting all the legal, formal and informal tools which may aid brownfields reuse

Measure 1.1

 Seeking and crating tools and measures supporting brownfields reuse in partnership with the other stakeholders

Measure 1.2

 Stressing seriousness of the brownfields threats in the new land use plan and other policy documents

Measure 1.3

Creating partnerships of the local government and other stakeholders, which would support brownfields redevelopment

 Establishing internal structures for management, realization and monitoring of this brownfield strategy aims

Measure1.5

Active cooperation with the owners, locating of potential invertors and active support of acceptable development proposals

IUR Measures - Priority 2

Active identification of financing sources and resources with an aim of maximizing leverage

Measure 2,1

Exploiting all possible financial resources, which can be dedicated to preparation of projects and lead to creation of bankable projects

Measure 2.2

Lobbying on regional national and international level for direct and also indirect resources, allowing support of brownfield reuse

Measure 2.3

Active use of possible grant finance and financial instruments leading to development activities on brownfields

Measure 2.4

Placing public investments on brownfields

Measure 2.5

Using land in city ownership to lever development







How to improve this strategy

?

MORE CONSULTATIO

Process of implementing a strategy

Brownfield strategy is adopted by the political leadership.

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- Action plan for the next 3 years is agreed.
- Targets are set of what need to be delivered and how.
- Staff and budgets are allocated.
- Monitoring framework is established, to measure fulfillment of the agreed targets.
- Outputs outcomes are regularly monitored and if need be, the strategic priorities/measures are amended.

Measures - Priority 4

Measure 4.1

 Preparation and realization of steps leading towards improvements to the city approach access routes

Measure 4.2

 Identification of brownfields most damaging city image and preparation of modes of their revitalization

Measure 4.3

 Preparation of measures improving quality of life for recidents of areas worstly affected by brownfields

Measure 4.4

 Support to measures reducing brownfields areas and support to temporally uses on brownifields

Measure 4.5

 Support to measures incorporating brownields into public domain or greening of brownfields

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Preconditions for delivering a stategy

28

PUBLIC
ACCEPTANCE
POLITICAL
SUPPORT
PARTNERSHIPS
PLAN OF ACTION
DELIVERY VEHICLE
BUDGETS IN PLACE

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Indicators for the strategy deliverance









Many regions are confronted with massive urban sprawl, economic crisis and effects of demographic changes, which are all causing unsustainable land use patterns and have an impacts on competiveness and on

climate change.

Circular land use management is an integrative policy and governance approach, philosophy can be expressed with the slogan: "avoid - recycle -compensate".

Main project outputs are:

Development of an overall strategy lowers.

- Development of an overall strategy towards circular land use management
 Tools and instruments of Circular Land Use Management
 Pilot Projects

12 Partners from 6 countries, project duration 3/2010 – 02/2013, Project No: 2CE174P4, www.circuse.eu

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Thank you for your attention

Jiřina Bergatt Jackson 602 370 176 jjackson@iurs.cz www.brownfields.cz

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Project BRIBAST http://fast10.vsb.cz/bribast -Brownfields in Baltic States - Lifelong Educational Project was designed to introduce education about brownfields into Baltic states. Project had 7 partners from 4 countries and was financed by the Lifelong Learning Programme. Project BRIBAST was an adaptation of its predecessor, the project LEPOB http://fast10.vsb.cz/lepob, which originated concepts of these educational

Outcome of BRIBAST project are:

Brownfield handbook, Brownfields course and Teachers notes in English, Lithuanian and Latvian languages.

PARTNERS ARE BEING SOURT TO TRANSFER THE PROJECT TO BALCAN STATES





6.3. Workshop

6.3.1. Brief introduction on stakeholders role in bfs redevelopment process





About IURS

IURS is a non-profit advocacy, research and project implementation organization, which aims are:

- working to support sustainable land use development practices,
- strongly focuse on issues of underused urban land, containment of sprawl and sustainable urban development,
- to foster broad coalitions that enhance the competitiveness of accessible and equitable urban development and redevelopment.

17VRS

Difference between stakeholders involvement and partnerships

- Stakeholders are all those parties or individuals who have, or may have, an interest in solving outstanding matters and are prepared to contribute their experiences or efforts to such a solution.
- Partners are all those parties or individuals, who have between themselves a form of contractual relationship addressing certain matters (shared budgets, shared objectives, shared project, shared properties est.) and work together with a common aim for a "win-win" solution.

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What is the value of stakeholders input?

- Bring in an individual point of view
- Bring different skills and experiences
- Bring in users reality
- Enrich solutions with new ideas
- Can introduce new uses
- Represent the community and users intérest
- Improve an overall acceptance of a final product
- Help to market the solution to "their" section of community

BUILDING UP OF A SYNERGY WHERE

Horizontal and vertical cooperation

- To achieve a success in solving brownfields regeneration, both the horisontal and verical integration of stakeholders need to take place.
- Policymaker are usually impotent withouth understanding the local issues, which need to be addressed.
- Such an integration can be achieved by broad stakeholders involvement, not only in the policy preparation, but also in local or regional brownfield regeneration.

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Types of stakeholders

Personal stateholders Owner of the brownfield

Problem aching, consultant biolyidual NGO member Individual administrator Project manager

Local brownfields owners Local inventors Local government Local finencial institutions

Perpetut government Perpetut transcat transcriptore

Minamic, tobook openins, militara regisalists tulinna HSDs, interest and professional groups, public National fromma realisations tulinead overers, investions, consultants, commanders

community, it's parament and the depart man freedom plated france and parties.

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What can an individual stakeholder do

- All individual drive and commitments are of great benefit
- The are many brownfield owners, who remediate their brownfields because they have a vision what to do and a commitment to do it.
- There are examples from the administrative. consultant and the NGO world, which illustrate the
- When a very strong personal commitment is expressed supporting finance for the activity can be usually achieved easier.

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What can stakeholders do locally

On a local level, especially in an area of low commercial demand and large brownfield volume. The stakeholders involvement, support, cooperation while trying to regenerate brownfields and stop further decline is very impo

In a situation of low commercial demand it is often the community and its civic needs that can provide the new uses for local brownfields.

Owners and civir: stakeholders need to be assisted in development

their projects and supported by their local authorities as well as by the local professional advisers, who in turn needs to understand the principles and rules of this type client and this type of procurement.

17/RS

What can stakeholders achieve regionally

- Multiple brownfields, and especially the mitigatory measures need to be addressed on the regional
- There a broad stakeholders involvement is invaluable.
- In cooperation with the national stakeholders, program grant and legal aspects can be sorted out
- o In a cooperation with the local stakeholders the individual projects and beneficiaries can be identified.
- In cooperation with local regional, national and international consultants, public and NGOs, novel way can be identified how to address the issue.

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What can stakeholders do on national level

- They can encourage and motivate vertical and horizontal cooperation
- The national level stakeholders can act in a strategic manner
- They can implement the required changes of the legislation and initiate the funding programs

NATIONAL STAKEHOLDERS NEED VERTICAL INPUT, MAINLY FROM REGIONAL AND LOCAL LEVELS

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What can professional stakeholders do

TOOLS, PROGRAMS AND CHANGES TO LEGAL FRAMEWORK WILL NOT HAPPEN, IF NOT DEMANDED BY THE STAKEHOLDERS

Professional consultants in their work deal with brownfield reuse and regularly meet barriers to such reuse. Their hands-on experience can not be substituted. This is why they need to be involved personally and also through their professional bodies on a national level and push for:

- b logal transework changes b suitable programs

PROFESSIONAL STAKEHOLDERS CAN EXPAND THEIR EXPERIENCE

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Which consultants are involved?

Brownfields reuse projects are more complex, more

consuming and more risky than are a new built ones.

Achieving an appropriate site solution usually require an

involvement of a large variety of consultants.

- ## Real estate consultants
 ## Environmental and remodiation consultants
 ### Gost consultants

- Project managers
 Design consultants
 Technical consultants
- e PR consultants
- a Community and employment consultants

IVEROWNFIELDS REMEDIATION REQURIES

Cross professional solutions

The team work, creativity and stakeholders participation

are essential to success of brownfields projects. Cross-professional working and sharing of experiences,

which is so necessary for brownfields redevelopment.

Usable makes projects: Financeable

Novel Exting

Equitable

17085

ALSO ENHANCED BECOMES THE UNDERSTANDING OF

Benefits of involvement of citizens as stakeholders

- Improves community equity
- Give project public legitimacy
- Helps project acceptance
- Reduces the animosities and thus saves costs of vandalism
- Introduces novel ideas

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BRIBAST project BRIBAST

Number of slides in this game are taken from the project BRIBAST- Brownfields in Baltic States - Lifelong Educational Project financed by the Lifelong Learning Programme

//fast10.vsb.cz/br/bast and from its predecessor, the LEPOB project, which originated these educational materials,

Outcome of BRIBAST are Brownfield handbook for Lithuania and Latvia and brownfield course.

PARTNERS ARE BEING SOURT TO TRANSFER THE PROJECT TO BALCAN STATES.

If interested to partner the new project lease contact:

CircUse projec



Numer of regions are confronted with massive urban sprawt, the current economic crisis and the effects of the demographic change, causing unfavorable land use patterns. This is neither competitive nor sustainable. Dispersed land use patterns with their high demands of land, soil and energy accelerate the process and the impacts of climate change.

Circular land use management represents an integrative policy and governance approach, which presupposes a changed land use philosophy with regard to land usitization. This modified land use philosophy can be expressed with the slogan "avoid" recycle -coopensate".

TUES is one of 12 Partners from 6 countries, who are working together in the

project CircUse to face these problems and develop strategies to solve them.

Main project outputs would be:

- -Development of an overall studiegy towards circular land use managament -Tools and instruments of Circular Land Use Management

TURS Duration 3/2010 - 02/2013, Project No. 20E174F4, **** Croute eu-

Thank you for your participation

Jiřína Bergatt Jackson

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14.5 (2)





6.3.2. Communicating and marketing brownfields: identifying the issue and including the issue in city priorities

















Distribution: who sells where Brownfield site represents "a unique good" but decision has to be taken who and where the product should be sold. Question of contact point!

The 4 P's of marketing — Marketing Mix Product Product - Product Products -
Marketing basics

Where we are – where we would like to end up? SWOT again: Basis of marketing strategy is a comprehensive, critical and realistic SWOT of the site Site review: Important step towards development of a future vision

Guiding questions for drafting a marketing strategy First draft of a marketing strategy 1. Are all customer / investor relevant info given? 2. Its an analysis of demand and supply on real estate market available? Is the site able to satisfy these demands? 3. Are framework conditions prepared for the redevelopment? 4. Are unique opportunities and properties of the site highlighted in comparison to competing sites? What makes the site unique? 5. Is a summary / list available, which focuses especially on the opportunities and strength of the site?

○細数 ■

COHRAMAN

Guiding questions for evaluating the draft Is the draft able to: - __support efforts highlighting the realistic potentials of the site? - __act as basis for the development of the future vision for new use of the site? - __act as basis for communication at all levels?







How to improve the image?

Three different approaches to improve the mostly negative image of a brownfield site:

- Creating an own CI including,
 - corporate design
 - corporate communication
 corporate philosophy
- 2. Interims / temporary use of the site
- Anchor projects









Corporate Identity - more than a logo

Aim of CI is to impart an own identity to a project, so that it is recognized as "person" with habits and characteristics.

- corporate design: draft a logo, select colors, fonts, key pictures/ photos
- corporate communication: establish a project name, create a slogan/claim
- corporate philosophy: negotiation on rules, quality standards and values







Corporate Identity - more than a logo







Give me a break give me a kitkat



Make a house a home

The quarter of short ways



Maritime flair - metropolitan imprint



COURAMAN A





(二) 組織器



Interims use of the site

New design / furniture / or use of the brownfield site without change of ownership and without the need to adapt or change planning right.

All options for future use are secured BUT urbanistic scarcities or negative effects should be improved, new qualities generated.









Interims use of the site





Interims use of the site





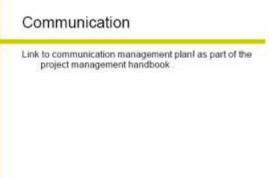






CHINA III





Marketing specific communication

Marketing communication following AIDA model:

- A Attention (Awareness): attract the attention of the customer/investor.
- I Interest: raise customer/investor interest by focusing on and demonstrating advantages and benefits.
- D Desire: convince customer/investor that they want and desire the product (site) and that it will satisfy their needs.
- A Action: lead customers/investors towards taking action and/or purchasing.







Marketing specific communication

Public relation - not only focusing on commercialization but following several different aims:

- Informing general public to raise and sustain awareness for the project.
- Establish and sustain contact between different actors in the field of redevelopment project
- Promote and improve image of the site and the revitalization plans
- Take over social functions and improve acceptance between actors and for the revitalization project.





COBRAMAN O CLEEN





Marketing specific communication

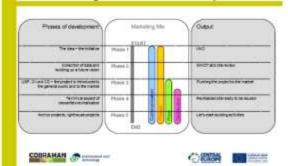
Investor relation - mainly a question of organizing the contact and information flow

The one and only solution: installing a





Timing: marketing and revitalisation process







6.3.3. Engaging stakeholders and partners- role play



Acknowledgement:

This work is based on the outputs of the projects LEPOB http://fast10.vsb.cz/lepob.and BRIBAST http://fast10.vsb.cz/bribast supported by the European Commission under the LEONARDO da VINCI action programme on vocational training.



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Learning outcomes of this game

By the end of this section you will be aware

- Importance of attitudes and cooperation
- Stakeholders roles
- Stakeholders contributions to projects

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Presentation outline

This is a role-play game which illustrates the following issues:

- Stakeholders' roles and contributions
- Consultants' roles
- Attitudes (non-cooperative, cooperative)
- Site related considerations

Time to play: 45-60minutes

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The Problem List

In the town centre and an outer centre of a small town (with

not much development potential) there are 5 brownfields.

The following parties are potentially interested in a development project in this town:

- 1. Small supermarket operator seeks premises for a shop
- 2 An investor is considering building a small building containing 4 surgeries, a gyrn and a sports bar
- Local NGO wanting to create a day centre for handicapped residents

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The Site Description

SITE 1 – Abandoned cinema on the high street, structurally sound, valuable modernist facade, nearly no other land, but access to back, elderly private owner.

SITE 2 – Small metal paint workshop, back street to criema, dilapidated, private speculative owner.

SITE 3 – Disusied biology lesting tob and an incinerator in a villa in a private garden, good access, outer centre owned by the local authority.

SITE 4 - Corner site % ha on one of main access roads outer centre, ex builders yard, mainly temporary buildings, state institution owner + 2 private owners SITE 5 - Ex petrol station site next to town square, restricted

SITE 5 - Ex petrol station site next to fown square, restricte access (narrow streets), 2 willing to sell owners

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The Stakehoders roles

- Local councilor or council development officer
 Project promoter/developer
 Member of local interest group

- Real estate advisor
 Environmental consultant
 Next door owner, business man
 Next door owner, infirmed pensioner

- 7 Next door owner, infirmed pensioner
 8 Radical NGO
 9 Site owner of a site with a multi-ownership
 10- Civil engineer consultant
 11- Lawrent 12- Local architect
 13- Member of a local club for historical heritage
 14- Local public services representant
 15- Local paper reporter
 16 Brownfield coordinator

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Role cards rules

- When choosing your role, you must not chose to play your own profession.
- ndividual stakeholder role parameters are described on their role cards.
- ndividual role card parameters shall not be shown to other players.
- Role cards are part of the teachers notes. Only when participants select their roles, they will be given their role parameter card.

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GAME TASK

- A Participants devise themselves into groups. Min. group size is 7 persons, max 15.Each group chooses from the Problem List, which type of project they would like to developt-a. B Each group chooses from the Site Description List a suitable site 1-5 for their project.

 © Each participant shall choose a role from the , describing the

- The except trial each participant would represent.

 The except for the trial trial trial trial trial trial stakeholders' development meeting behaving in line with their allocated role and attitude.

 The control of the control trial tr

Group facilitator shall be chaining the stakeholders "meetings as a brownfields coordinator and also playing the Jewits advocate role", prompting the participants to develop their role.

Tall time to prey latti version is st. 40 minutes.

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PLAYING RULES

- The red marked roles are compulsory, other roles are optional.
 If more than 15 participants take part, then the game is played in 2 separate groups, one with a negative and the other with a positive attitude, the group that is not playing at the time can watch as public.
- 3 All participants in each group have to speak but for a reporter,
- who does not speak but writes.

 4 At the end of session each Reporter writes down the news release on what happened, max 300 words on each attitude
- 5 The negative attitude version is plays until stakeholders response.

- response
 Causes an impasse, jusually this takes place in a few minutes).

 In the positive attitude version is played until the time is out, or until the participants see a value in it).

 Reporter's press release will be read at the beginning of the next teaching session.

 Participants will be debriefed about the game at the beginning of the next teaching session.

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Attitude

- 1 Negative attitude, no interest to compromise, seeing only ones own objectives.
- 2 Positive, open and cooperative attitude:

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Agenda for stakeholders' meeting

7.	Brownfield coordinator opening the meeting	2 min
1	Developer introduction of the project	3 min
1	Advisors report on the project	4x2 = 8 min
	Local council response to the project	2 min
1	Stakeholders questions and answer session	12 min
	Discussion	10 min
ī	Developer's summing up	3 min
	Local councilor's summing up	2 min
	Brownfields coordinator closing the meeting	3 min

IVARS







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If interested to partner the new project lease contact: barbara.vojvodikova@vsb.cz

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CircUse project CHIRA III







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Circular land use management represents an integrative policy and governance approach, which presupposes a changed land use philosophy with regard to land utilization. This modified land use philosophy can be expressed with the

slogan avoid - recycle -compensate*, rules is one off2 Partners from 6 countries, who are working together in the project CircUse to face these problems and develop strategies to solve them.

Main project outputs would be:
-Development of an overall strategy towards circular land use management
-Fools and instruments of Circular Land Libe Management

TURS Duration 3/2019 - 02/2013, Project No. 2CE 174P4, WWW.CF103E.NU

Thank you for your participation

Jiřína Bergatt Jackson

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GAME - UNDERSTANDING STAKEHOLDERS INVOLVEMENT

References and available literature of good practice

- For those who can read Czech we also recommend the <u>www.brownfields.cz</u> a www.brownfieldsinfo.cz.
- As a good example of a City approach we also recommend <u>www.brno.cz</u> Project BRIBAST <u>http://fast10.vsb.cz/bribast</u> and LEPOB <u>http://fast10.vsb.cz/lepob</u>, handbooks and their course materials.
- An excellent and extensive US source is the www.Smarte.org,
- For a comprehensive understanding of other countries approaches we recommend: Final report International Brownfields Development, A Comparison of Brownfields Cleanup and redevelopment in Canada, Germany, United Kingdom and Netherlands, Prepared for the US EPA
- We consider as an absolute must is the CABERNET Final report www.cabernet.org.uk
- The newest resource it the World Bank Guidance Note (2010) The Management of Brownfields Redevelopment.

Advice to the teacher

Before you attempt to study or to deliver these two sections,, please familiarize yourself with the

project BRIBAST Brownfields Handbook and the Brownfields Course. Lots of a complementary knowledge, which will help you to present the game, can be derived by studying these materials. For delivering the game effectively and retaining your students' interest you need to include, where ever you can, local examples of good or bad practice and also local pictures!!!!. Use also your specific professional knowledge to illustrate the points and findings arising from these presentations. You can also contact the author of these sections and ask for a consultation on jjackson@iurs.cz

THE GAME

This is a game designed to teach students several things:

- Formulation of group decisions,
- Various roles of stakeholders,
- Various contributions that stakeholders can make to project.
- An importance of cooperation between stakeholders.
- An importance of an observer's standpoint.

This game is intended to be played by min. 8 people and max. 15 people. If there are more than 15 participants, we suggest, that the game is played in 2 groups. This however puts larger demands on the teacher. In such a situation we recommend that the teacher has an assistant to help him to lead the second group. The game is played twice, firstly with a negative and then with a positive attitude. To benefit fully from playing the game, it is important that 40-60 minutes is available for the role play game. CC 15 minutes is also needed for a start up and similar time is needed at the end of the game for debriefing.

Not in every country are the role-play games a common format of teaching. This is why the participants may initially have some inhibitions. It is therefore important to make a "light " start, for example by saying an appropriate joke about luck of cooperation amidst professionals est..

Initially participants may find it difficult to identify themselves with their roles. Also the whole group may find it difficult to choose the project to develop and an appropriate site for it. We recommend that if it is at all possible, the game is posted up at the end of previous teaching lesson. At this point the participants are also given the role play cards. This way the participants can formulate and discuss their ideas during the brake and take less time to





cohere the group decision, which project and which site to choose. Participants are not to play the same role as is their own work or profession.

For the participants to be able to play the game, they need constantly to refer to slides 4, 5,6,7,9 and 11. This is why each participant needs to have them printed and in hand. We recommend printing the whole set of slides 1-12, 6 slides to a page and giving them to participants, prior the session starts.

For the game to be successful a substantial support to the group from the teacher (in a role of brownfields coordinator) needs to be given. The teacher therefore needs to familiarize himself/ herself with basic principle of property development decisions and development control decisions. Required knowledge need to be gained by reading up an appropriate literature or joining a course or conference directed to property development issues. The teacher also needs to be able to guide the participants in such a way, that when in the first run of the game they played with a negative attitude, they quickly achieve an impasse. For an example, one of the stakeholders says: I will not do this or I will not allow that, est..... If there is an impasse and no agreement it is the end of that game. Then the game is replayed again with a positive attitude. Ideally 10-15 minutes should be devoted to playing the game with a positive attitude.

In their designated roles participants take place in a public meeting discussing the development of the selected brownfield project they on a site they have selected at the beginning of the game. The teacher chairs the meeting, controls the timing of contributions 2-7 and make sure that all participants speak. The teacher also prompts participants to offer a response and encourages their creativity. At the end the teachers sum up the agreements, cooperation and compromises that have arisen from the meeting. When the "positive" version of the game is played, the teacher needs to guide participants towards a cooperative solution or formulation of a compromise. It was found, that participant may not be able to thing sufficiently flexibly and quickly in order to achieve such a compromise in the time given for the game. This is why the teacher has often to step in with suggestions, indicating how such a compromise can be achieved or by what means cooperation can be offered. We have found, that participants then adopt and further develop such suggestion enjoy expanding it and the game progresses quickly.

Reporter's role is an important part of the learning process. When participants play the game they are involved and in forming compromises est... The reporter is an outsider to the group, who only observes. His observations of the process however are very important to the group and also to the teacher.

It is also important to achieve participants debriefing and feedback on what they have learned from the session and to have some time for participants to receive the reporter's press release.

CONTENT OF SLIDES

1	Understanding stakeholders involvement	Title slide -please retain the author name but you can add your name as a coauthor, if you have modified this game.
2	Learning outcomes	
3	Presentation outline	
4	The problem list	This slide sets the problem that is to be addressed. B type town means a town, away from main transport infrastruction, where the development and reuse demands are low and when they come they come mainly from the initiative of local investors.





		3 possible local investors are introduced.
5	The Side description	There are 5 sites to consider by the participants, each
		giving certain limitation to development (for example
		the site 5 is in a conservation area, has a limited
		access and probable environmental pollution).
6	The stakeholders roles	This slide describes various stakeholders. Inherent
		part of the game are the game cards, they are
		included at the end of the text It is up on the teacher
		to decide if he/she lets participants to choose their
		own roles or if he/she allocates these roles
		(considering of course, that no participant is to play a
		role that corresponds with his/her profession or
		occupation).
		Roles market in blue are necessary to play the game,
		the other roles are optional and the teacher can
		decide, according to the group size and profile which roles will be omitted.
		Each role card roughly outline role's parameters and gives participant an agenda of interest they are to
		protect during the game. Participant should not see
		the other participants' role parameters and the
		agenda of their role's interest are revealed to others
		only during the course of play.
7	Role cards rules	Slide regulates rules for the Role cards.
8	Game Task	This is a key slide that sets the parameters for the
		game. Group may find it difficult to settle on a site in 5
		minutes that's why we recommend posting the game
		up et the end of previous lecture.
0	Dlaving rules	Describes main limitation on the game
9	Playing rules Attitudes	Describes main limitation on the game. In the first game all the participant have totally
10	Attitudes	negative and uncompromising attitudes. This should
		lead to an impasse, which stops the game. The
		success here is to block the game as fast as it is
		possible.
		In second game all participants have to offer an
		openness, understanding and capacity for
		compromise. The success is the number of achieved
		compromises and cooperative outcomes.
		Scores can be kept for the game by the teacher to
		encourage groups' competitiveness.
11	Agenda for stakeholders	This is a model agenda. In the negative attitude
	meeting	version, it is assumed that the game will stop on
		somewhere on the point 4 or 5.
		For the positive attitude version if possible more than
		20 minutes should be allocated. This will give
		participants more time to form and negotiate
		compromises.
		If scores are collected by the teacher, the actual
		timing for the duration of the positive attitude meeting should be also given. This way an indicator of
		1compromise per/ unit of time can be made est
12	Conclusion	debriefing
13	Closing slide	Dtto as slide 1 about author.





Role play cards

	Role	role parameters	agenda of a particular interest
1	Local councilor or council development officer	wants development, bud does not want any upsetting of local electorate, prefers local solutions and local investors	to create more jobs in the town
2	Project promoter/developer	wants to realize project quickly	to protect his project profit margins
3	Member of local interest group	wants development amenities to be available for all citizens	to protect interest of handicapped part of the community
4	Real estate advisor	wants to encourage a quality commercial development, that raise value of surrounding property and encourage increase in real estate transaction	to get a consultancy for a real estate transaction
5	Environmental consultant	wants to make sure that the environmental issues and values are understood and identified	to protect trees on site and to get the consulting job from the council
6	Next door owner, business man	wants the new development to add advantages to his existing property and business	to increase of sales of his business and not to block view onto his building
7	Next door owner, infermed pensioner	wants peace, no noise, no traffic,	no development
8	Radical NGO	wants to use the development issue to agitate for his own purposes	to get settlement of argument payment
9	Site owner or one of the site owners	to maximize his site value	to have a fast deal
10	Civil engineer consultant	wants to be sure, that his client (the developer) project is buildable	to have a satisfied and paying client
11	Lawyer	wants to capitalize on his local site history knowledge	to get fee for his know-how
12	Local architect	wants to demonstrate his abilities to formulate fast alternative solution	to have a satisfied and paying client
13	Member of a local club for historical heritage	wants to protect historical relevance of the site	to present the past site events memory
14	Local services member	wants to ensure that the relevant infrastruction is appropriate for the type of proposed development	to have a highest possible specification for services products
15	Reporter	wants to inform about local happenings	to have his press report accepted in national press
16	Brownfield coordinator	teacher sets own parameters	•





6.4. List of participants

COBRAMAN

COBRAMAN, 1CEDIANA.
Attendance Sheet, Shotutory City of Osci and Lubern, the Cooch Republic, September 2010.

	Name	Organisation	Country	Signature
1.	Barták Miroslav	UJEP Ústí nad Labem	Czech Republic	denotive Beach
2.	Bergatt Jackson Jifina	iurs	Czech Republic	7
3.	Boroń Grzegorz	Bydgoszcz	Poland	1/2/-
4	Bořecký Kareř	Most	Czech Republic	700
5.	Chiara Franceschini	SIPRO	Italy	pur -
6.	Černe Tomaž	IGEA	Slovenia	Jane C.
7.	Cotic Bostjan	UPIRS	Slovenia	Part All A
	Cotič Igor	UPIRS	Slovenia	- (NO) 8.
ü.	Czastka Svan	Usti nad Labem	Czech Republic	12
10.	Černič Maš Barbara	UPIRS	Slovenia	pul.
11.	Debes Carsten	District of Zwickau	Germany	Dok
12	Doleželová Lucie	IREAS	Czech Republic	100
13.	Dostálová Tereza	Ústi nad Labem	Czeah Republic	134//
14.	Erbenová Kateřina	KPMG Czech Republic	Gzech Republic	alien
15.	Ertel Thomas	Environment and technology	Germany	1. 1.
18.	Fiela Tomés	Most	Czech Republic	The same
17.	Franceschini Chiara	SIPRO	Italy	Charles & -
18.	Franková Hana	VSB - TU Ostrava	Czech Republic	Franker al
9	Goršič Nina	UPIRS	Slovenia	
20.	Gradišar Ana	Kranj	Slovenia	Nama 601310

COBRAMAN

COBRAMAN, ICEDIANA Attendance Sheet, Statisticity City of Entired Laborn, the Cooch Republic, September 2010

	Name	Organisation	Country	Signature
21	Gunzenhauser Maren	Stuttgart	Germany	0
22	Hasmanová Linda	Most	Czech Republic	Hickory
23	Hromková Kateřina	Euroconsultants	Czech Republic	Harry
24	Jasińska Magdalena	Bygdoszcz University	Poland	(0)4:10
25.	Jrások František	Most	Czech Republic	
26	Kašovská Kamila	Technical University Ostrava	Czech Republic	July
27	Kindlová Lenka	Ústí nad Labem	Czech Republic	Kente
28.	Kloska Arkadiusz	Bydgoszcz	Poland	Vi
29,	Kužalová Lucie	Ústi Region	Czech Republic	Cint
30.	Leipe Frank	State Development Corporation of Thuringla	Germany	100
31	Marinković Dragan	Kragujevac	Serbia	100
32.	Nikolić Petr	Usti nad Labern	Czech Republic	1
33.	Peika Iwona	Environment and technology	Garmany	2011
34.	Penndorf Olaf	District of Zwicksu	Germany	1/2 1
35.	Plerzchala Lukas	Technical University Ostrava	Czech republic	90.00
16.	Podrápský František	Ústí nad Labem	Czech Republic	6
17.	Schmid Matthias	Stuttgart	Germany	1 Louis
38.	Schweiker Michael	Stuttgart	Germany	MER
39.	Sierka Edyta	Technical University Ostrava	Czech Republic	
9G.	Skrt Primaž	Kranj	Siovenia	W-

ż





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CCBRAMAN, 1CE014P4 Attendance Sheet, Statutory City of Oct and Laborn, the Czech Republic, September 2010

	Name	Organisation	Country	Signature
41.	Šašková Marta	Ústí nad Labem	Czech Republic	Vie
42	Šindelářová Lenka	DTZ Czech Republic	Czech Republic	260
43.	Šplichalová Martina	Ústí nad Labem	Czech Republic	Selection.
44.	Štraus Stane	Kranj	Slovenia	S
45	Tadych Jakub	Bygdoszcz University	Poland	1-01
46	Vávrová Kamila	Most	Czech Republic	10
47.	Weckwert Natalia	Bydgoszcz	Poland	Wording
48.	Zacniewska Zuzanna	Bygdoszcz University	Poland	Racing
49	Ziheri Janez	Kranj	Slovenia	TV
50.	Zinz Regine	Stuttgart	Germany	MALA
51.	MARINIA BLANKA		42	Marcha
52.	BIODOL MILAN	PLOEN	(2)	
53.	1900SLAV Kaiset	UJER	0.2	7
54	PETIA DESOUG	UJEA	(3)	15
55.	PETR ALAUNCEL	1755	CZ	41.
56	KATERIA CHANNA	US TYPEL	62	MUM
57	WILHACLA ZACKOM	TEANA	d2	2,1
58.	FIREST SPECIET	1.77.001		- c±1%
59.				
60.				-



COBRAMAN, 1CE014F4
Attendance Sheet, Statutory City of Ústí nad Labern, the Czech Regulbic, September 2010

Name	Organisation	Country	Signature
Bergstt Jackson Jiřína	IURS	Czech Republic	The
Boron Grzegorz	Bydgoszcz	Poland	12
Bořecký Karel	Most	Czech Republic	4 200 -
Černe Tomaž	IGEA	Slovenia	miles year
Cotić Boštjan	UPIRS	Slovenia	-010B
Cotič Igor	UPIRS	Slovenia	
Czastka Sven	Ústí nad Labern	Czech Republic	(5)
Černič Mali Barbara	UPIRS	Slovenia	stre
Debes Carsten	District of Zwickau	Germany	(Qu
2. Doleželová Lucie	IREAS	Czech Republic	-
Dostálová Tereza	Ústí nad Labem	Czech Republic	Auto 1
Duris Martin	PBA Czech Republic	Czech Republic	Ques
B. Ertel Thomas	Environment and technology	Germany	1 - 77
Fiala Tomáš	Most	Czech Republic	29
5. Franceschini Chiara	SIPRO	Italy	Chow
5. Franková Hana	VSB – TU Ostrava	Czech Republic	Gantern
Gorsić Nina	UPIRS	Slovenia	Ward 6
Gradišar Ana	Kranj	Slovenia	- for a him
Gunzenhäuser Maren	Stuttgart	Germany	Mula
Hasmanová Linda	Most	Czech Republic	Mal





COBRAMAN

COBRAMAN, 1CE014P4
Attendance Sheet, Statutory City of Osti nad Labern, the Czech Republic, September 2010

Name	Organisation	Country	Signature
21. Hromková Kateřina	Euroconsultants	Czech Republic	hermal
22. Chábová Kateřina	Pilsen 2015	Czech Republic	antre!
3. Jasińska Magdaler	a Bygdoszcz University	Poland	
4. Jirásek František	Most	Czech Republic	-D
5. Kašovská Kamila	Technical University Ostrava	Czech Republic	188
6 Kloska Arkadiusz	Bydgoszcz	Poland	step /
7. Koutský Jaroslav	UJEP Usti nad Labern	Czech Republic	Chilit
8. Kuželová Lucie	Usti Region	Czech Republic	YIUS
9. Marinković Dragan	Kragujevac	Serbis	Dent
Marková Blanka	Ostrava 2015	Czech Republic	Miller
1. Nikolič Petr	Ústí nad Labern	Czech Republic	125
2. Pelka Iwona	Environment and technology	Germany	20/62
3. Pierzchala Lukas	Technical University Ostrava	Czech republic	marchia
 Podrápský Františe 	k Ústi nad Labern	Czech Republic	
5. Pondělík Martin	Ústi Region	Czech Republic	10
6. Schmid Matthias	Stuttgart	Germany	Strucial
 Schweiker Michael 	Stuttgart	Germany	166005
8 Sierka Edyta	Technical University Ostrava	Czech Republic	
9. Skrt Primož	Kranj	Slovenia	90-
Svoboda Milan	Pilsen 2015	Czech Republic	-

COBRAMAN

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Name	Organisation	Country	Signature
41. Šašková Marta	Ústí nad Labem	Czech Republic	vand
42. Šplichalová Martina	Ústí nad Labem	Czech Republic	141820
43. Tadych Jakub	Bygdoszcz University	Poland	1901
44. Vávrová Kamita	Most	Czech Republic	1
45. Weckwert Natalia	Bydgoszcz	Poland	Weekwest
46. Zacniewska Zuzanna	Bygdoszcz University	Poland	Zachien
47 Ziheri Janez	Kranj	Slovenia	276
48. Zinz Regine	Stuttgart	Germany	Min
49. KNOLOW LEWIS	USD NO HEAD		Colle
50. STANE STRANS	(exten)	500	550
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7. 6th Seminar Ljubljana 16. May 2011

7.1. Agenda of training seminar

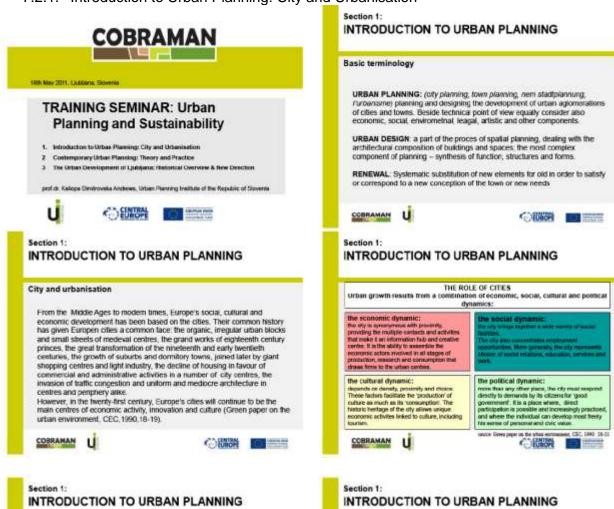
Monday of May	16th	6 th Brownfield manager training s Urban Planning	eminar
time		topic	speaker
08:30	09:00	Registration	
09:00	09:15	Introduction to Urban Planning:	Dr. Kaliopa
		City and urbanization	Dimitrovska
			Andrews
09:15	10:00	Contemporary Urban Planning:	Dr. Kaliopa
		Theory and Practice	Dimitrovska
			Andrews
10:00	11:00	Workshop 1: Urban planning in action (we d	
		Group1 lead by Dr.Mojca Šašek Divjak and	
		Group2 lead by Dr.Kaliopa Dimitrovska And	rews and Boštjan
		Cotič	O 417
44.00	44.45	Group3 lead by Dr.Matej Nikšič and mag.lgc	or Cotic
11:00	11:15	Coffee break	I
11:15	12:00	Integrated Urban Design: Urban Design Criteria	Dr. Matej Niksic
12:00	13:30	Workshop 1: Urban planning in action (we d	
		Group1 lead by dr.Mojca Šašek Divjak and compared to the description of the descript	dr.Thomas Ertel
		 Group2 lead by dr.Kaliopa Dimitrovska Andr Cotič 	ews and Boštjan
		Group3 lead by dr.Matej Nikšič and mag.lgc	r Cotič
13:30	15:00	Lunch	
15:00	15:30	Urban Planning: Brownfiled development in	Dr. Thomas Ertel
		particular	
15:30	16:30	Summing up: what we have learned	Dr. Kaliopa
			Dimitrovska
			Andrews
40.00			Dr. Thomas Ertel
16:30		Training ends	





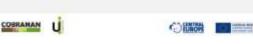
7.2. Seminar Themes

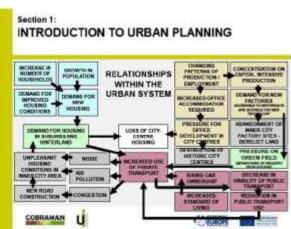
7.2.1. Introduction to Urban Planning: City and Urbanisation



The problem facing urban environment are varied: pollution (air, water, noise, soil, wasse), (re) development of the built environment (buildings, roads, open spaces, recreational areas), protection of nature (greenery and wildlife in the cities).

In focusing on individual problem areas, it is important to know that the urban system is a comprex and interrelated whole. A diagramatic representation of some of the main cause and-effect relationships influencing urban development are set out in the figure 'Anatonships within the urban system' (CEC, 1990). The extent of these interrelationships demonstrates the potential danger of ad hoc decision-making, the solution to one problem is often the cause of another. Effective management of our urban environment requires a strategy based on both integration between land use and transportation planning and integration between the city and its hinterland (functional urban region).









CONTEMPORARY URBAN PLANNING: theory and practise

The evolution of twentieth-century urban space can be traced predominately by studying the Garden City movement and the paradigm of Modernism – Functionalism, Post Modernism and Sustainable Development.

Modernism - Functionalism

Moderniem or rather the paradigm of Functionalism is based on ideals of pure forms and unbounded, flowing space. The 'tower in the park' was intended to break the urban block of the traditional city and give a newfound freedom to the urban residents.









Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise

Modernism - Functionalism

Le Corbusier 's urban design princip that influenced modern urban space

- design are following:
 (1) The open urban block that allows free flowing landscape, our and light, (2) The vertical separation of movemen
- (2) The linear building as a large-scale urban element which define districts or neetal units.
- Le Corbusier's aphorism for house was a 'machine for living' in which at elements without a direct function were











Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise

Modernism - Functionalism

Freestanding buildings in straight, parallel rows, set on a wide, open plaza or green space, rigidly separated traffic systems and carefully zoned function (Irving, work, leavest to bear. leisure) has been a main concept in shaping modern



Most of the plans upon each 'large parts' of our clies were built in 1950s, 1960s and 1970s were prepared on the bases of Functionalist concept. Today, most of these areas are borownfilds and in need of comprehensive renewal and regeneration.

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Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise

Modernism - Functionalism

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CONTEMPORARY URBAN PLANNING: theory and practise

The evolution of twentieth-century urban space can be traced predominately by studying the Garden City movement and the paradigm of Modernism – Functionalism, Post Modernism and Sustainable Development.

Modernism - Functionalism

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COBRAMAN []





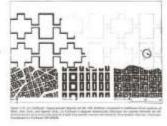


Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise

Modernism - Functionalism

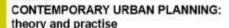
Le Corbusier's figure-ground diagram on the Villa Radieuse compared to traditional urban block of Paris, New York and Buenos Aires dramatically Illustrates the contrast between the traditional urban pattern of evolved city and the free flowing spatial structure proposed by Functionalist



CEUROPE III



Section 2:



Modernism - Functionalism



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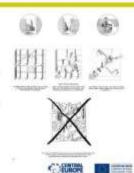
Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise

Postmodernism - Rationalism

In the early 1970s there have In the early 1970s there have been several groups of architects who have critically examined the Functionalist paradigm. A new Postmodern movement looks at historic models of towns for inspiration, promotes a concept for public open space and considers context and regionalism in the design of building forms or build environment.









Section 2: CONTEMPORARY URBAN PLANNING: theory and practise



Section 2: CONTEMPORARY URBAN PLANNING: theory and practise



Section 2: CONTEMPORARY URBAN PLANNING: theory and practise



movements / groups / author



CIAM (Congrès International D'Architecture Moderne 1925), Alenska listina 1904

POSTMODERNISM

Venturi, Leon in Rober Krier, Rowe, Bolil, Jercks.

Section 2: CONTEMPORARY URBAN PLANNING: theory and practise



Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise



Main features

MODERNISM Concept 'bower in a juen." 'house is a machine for living' 'Leas te more'! Miss van der Rohe Land use zoning separation of activities Constitution force."

separation of activities Open urbain block layout Vertical separation of movement systems

Building typology: Innair building in rows, standardisation, universal 'modern' style

POSTMODERNISM

Concept
Teack to historic models of city
"premistor of public open space"
Teas is bore / Venturi
Mixed uses renitegration of activities
Perimeter (closed) urban block layout
Mixes movement system

Variety in building forms design, consideration of context and regionalism in the design of build environment

Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise

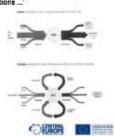
Sustainable development

The United Nations proposed the concept of 'sustainable development' as the backbone of global economic policy: 'we should aim to meet our present needs without compromising future generations...'

Cities must be viewed as ecological systems. Their design and management should be a circular 'metabolism' process, where ocessamption is reduced by implementing efficiencies and where re-use of resources is maximized.

maximised. The concept of a "Compact City" model, a dense and socially diverse city where economic and social activities overlap can bring major ecological benefits.









Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise

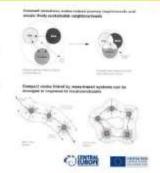
Sustainable development

The Compact City features:

- compact City features:
 city grows around centres of
 social and correctal activity
 located at public transport nodes,
 these nodes at mixed use,
 provide the focal points around
 which neighbourhoods develop,
 the residental densities
 decreasing with the distance from
 transit stop,

each neighbourhood has its own parks and public spaces accommodating a diversity of overlapping private and public activities.

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Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise

Sustainable development KRONSBERG, HANNOVER: A model of sustainable urban or

The design of this EXPO settlement, along the new tram line to the Expo grounds, considers ecological, urban design and socio-economic and cultural issues:

ECOLOGICAL OPTIMISATION CITY AS A GARDEN CITY AS A SOCIAL HABITAT

Applaying planning for sustainability placed considerable obligations on all stakeholders to secure the highest possible quality of life and to use natural resources sparingly.



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Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise

Sustainable development KRONSBERG, HANNOVER: A model of sustainable urban community



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KRONSBERG, HANNOVER: A model of sustainable urba





Section 2

CONTEMPORARY URBAN PLANNING:

theory and practise

Sustainable development KRONSBERG, HANNOVER: A model of sustainable urban community

The design of this EXPO settlement, along the new tram line to the Expo grounds, cons ecological, urban design, socio-econom

ECOLOGICAL OPTIMISATION CITY AS A GARDEN CITY AS A SOCIAL HABITAT

Applaying planning for austainability place considerable obligations on all stakeholds secure the highest possible quality of life to use natural resources sparingly.



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Section 2: CONTEMPORARY URBAN PLANNING: theory and practise

Sustainable development KRONSBERG, HANNOVER: A model of sustainable urban con

The first phase is organise in two bousing clusters north and south, 6,000 dwellings, each one with a green area —park in the centre and a local centre in between.

Grid layout of the blocks, avenue-like streets and open space planning unite, many different construction forms and architectural styles in

a harmsnious townscape.

Bailt structure follows the principle of decreasing density, the highest FSI 1.2 (4-5 steep) blocks) along the main access road, which decrease approaching the countrysid



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Section 2:

CONTEMPORARY URBAN PLANNING: theory and practise

Sustainable development KRONSBERG, HANNOVER: A model of sustainable urban community



Reduction of energy consumption is achieved through low energy house building methods, optimised energy provision (two cogeneration plants), the integration of wind and solar power, and by specific measures on the consumer side (CO2 emissions reduced by 60%).

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(20% less heat loss through transmition). The microclimate roo is made up of three layers of ETFE layers of ETFE sheeting, the middle and upper layes are praised with a reflective pattern. In summer these two layers form a reflective roof. In winter they are apart, so the sun can pass.

The microclimate zones have large

external structure. Serves as a buffer





KRONSBERG, HANNOVER: A model of austainable urban community



The "Lummerland" passive houses are heated and cooled all year round without a separate heating distribution system using passive technologies. In winter, if neccessary, each house can tap into the district heating system, when warm ar is distributed by the ventilation system. Supplementary heating needs are around 15kWh per m2; a passive house consumes one-seventh of the heating energy of a conventional new house.

KRONSBERG, HANNOVER: A model of sustainable urban community



KUKA, envirormental liaison agency, monitores and promotes the ecological development of the Kronsberg sustainable city district in the areas of energy, waste, soil, water, landscape, tarning and mobility. Winking with its partners, KUKA provides a comprehensive skilling and quiffication programme used in ecological advisory and training measures for planners, craft workers, and residents of Kronsberg.







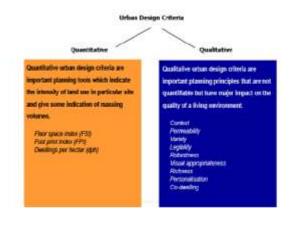


7.2.2. Integrated Urban Design: Urban Design Criteria





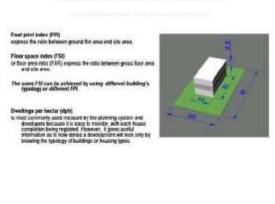














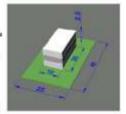


Foot pint index (FPI) supress the ratio between ground for area and site area.

Fleer space index (FSI) or floor area ratio (FAR) express the ratio between gross floor area and site area.

The same FSI can be achieved by using different building's functions or different FPI

Dwellings per hectar (dph)
is need commonly aded measure by the planning cystem and
developed because it is easy is morelle, with each house
completed because it is easy to immerse, with each mode
completed because global or development will be on any
terming the improving of behavior or thouse types or
terming the improving of behavior processor.



Higher density does not mean building tall. Good design car enable higher densities to be achieved using a sange of building and layout types an above the tellowing slides.

Higher densities can help to create successful places by supporting local businesses, services and facilities.

Quantitative urban design criteria or space imics fill = 20 x 10 x 2, 6.6 First print index IPE = $\frac{20 \times 10}{25 \times 40}$ = 0.2 are index = 20x10x2x2.5 _c 1_5 25 x 40 1 SourFilet, Fillet 1 floors.FFI=0.1,F60=1 I from FPP+E30,FSI+1 3 Coors.FFI=0.15,FSI=1

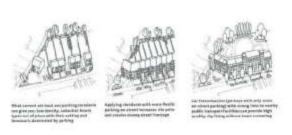
1 fore /Frit 2 Phi 1



Comapartive review of urban design criteria



Densities, facilities and form



tive urban design criteria, Case Study



Quantitative urban design criteria, Case Study



FP1 and FSI limitations in relation to land use

N TOWN IN CAR IN C. THE P.

Land nive	Ever print trades. FFI	Fleer space inde
Housing aren	9,4	1,2
Legisco siesi	30.	15.54
Housing with sprincheral broadwish	0,2	0,4
Asset of civic infraeructure	0,6	1,6
Cestral area: - tarbus cestres	0,9	2,5
Sfixed-one away	0.6	1,2
Producting areas	0.8	2.4

The limitations can be exceeded exceptionally only if:

- this is demanded by exclusive urban planning conditions
- exceeds can be balanced with the existing situation in the respitationing areas.
- this is not against the public interest

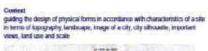








































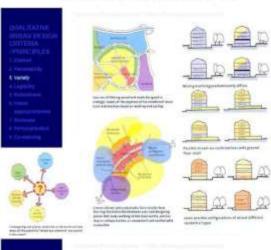






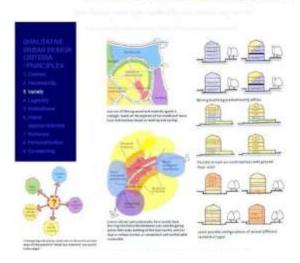












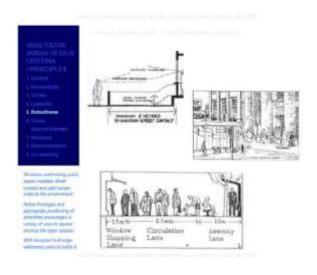






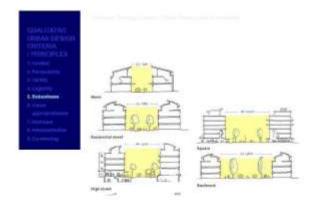


























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Name of the Part o



Public

Personalisation allowing users of spaceto put their own stamp on a place.

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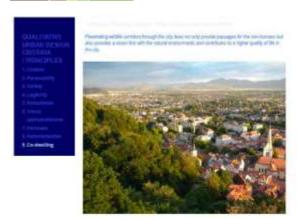














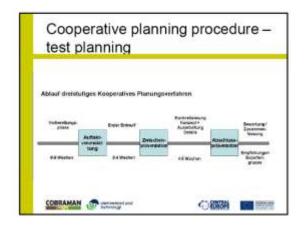


7.2.3. Urban Planning: Brownfiled development in particular









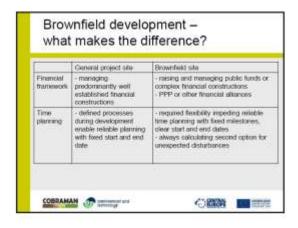










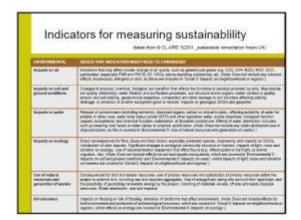
























7.2.4. Summing up: what we have learned- Results of the workgroups an casestudy "Nove Poljane" Ljubljana











PLANNING PROCESS

1. phone	ANALYSES Existing situation & possibilities for development	Sections Triviocement Physical forms Identification of the main problems 4 potential of the orban environment." SWOT Deficition of the interminants for house development.
2. phase	DEFINITION OF GOALS & criteria for implementation	Genral Gods Specife gods Standards
3. phase	CONCEPTS OF URBAN DEVELOPMENT	Alternative development concepts Valuation * Selection and preparation of planning document
4. phase	IMPLEMENTATION & monitoring	Implementation strategy Administrative mechanism Financial mechanism Lagislative mechanism DEVELOPMENT

^{*} public participation



COBRAMAN U







CHINOR DE







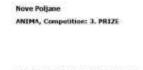
Nove Poljane, ELISS, Competition: 2. PRIZE













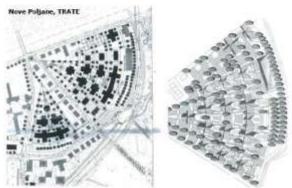


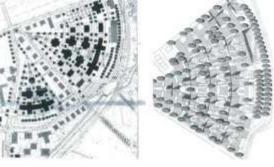












Nove Poljane, SONCE







1. PRIZE FLISS, 2. PRIZE ANIMA, 3. PRIZE SANUS TRATE

QUANTITATIVE URBAN DESIGN CRITERIA

Competion work	Housing m2	Offices, shops m2	Built total m2	FSI
Elisse	38.222	4.029	42.251	0,75
Anima	45.562	6.868	52.430	0,94
Sonce	33.420	12.000	45.420	0,81
Trate	32.525	5.629	38.154	0,68
Sanus	32.704	3.300	36.004	0,64
winner	30.300	1.170	31.470	0,62

QUALITATIVE URBAN DESIGN CRITERIA: VALUATION

Competition work	CONTEXT	PERMEABILITY	VARIETY	LEGIBILITY
Elisse				
Anima				
Sonce				
Trate				
Sanus				
winner				

Broadgate, London

Planning 'game' 'negotiated urban form'

- an increase of FSI from 3 to 5,









7.3. List of participants



Conference, COBRAMAN 1CE014P4, Ljubljana, Slovenia, 16th-18th of May 2011

Attendance List, Monday, 16th of May 2011

Reg.nr.	PP_nr	First Name	Surname	Country	Siganture	Returned list of meals
1	9	Igor	Bizjak	Slovenia	Form	Me
2	4	Karel	Borecky	Czech Rp.	1500	X
3	LP	Grzegorz	Boroń	Poland	5C.	X.
4	9	Boštjan	Cotič	Slovenia	- NIDB	X
5	9	lgor	Cotič	Slovenia	C.	X
6	9	Barbara	Černič Mali	Slovenia	50	X
7	5	Roman	Danel	Czech Rep.	Danil R.	\times
8	9	Kaliopa	Dimitrovska Andrews	Slovenia	KL-	X
-9	LP	Bojana	Divac	Serbia	2	-
10	7	Tereza	Dostalova	Czech Rep.	don -	1
11	2	Thomas	Ertel	Germany	GAN	X
12	4	Tomáš	Fiala	Czech Rp.	TISI	X
13	8	Chiara	Franceschini	Italy	elit.	X
14	5	Hana	Franková	Czech Rep.	Francisa	X
15	9	Nina	Goršič	Slovenia	Wanis 5 ors	TCX
16	6	Ana	Gradišar	Slovenia	Auton	CX
17	2	Maren	Gunzenhäußer	Germany	Soll	X
18	3	Magda	Jasinska	Poland	W .	—,
19	5	Kamila	Kašovská	Czech Rep.	Mad !	X
20	3	Inga	Katlewska	Poland	Kakenoke /	X
21	7	Lenka	Kindlova	Czech Rep.	Kindlola	X
22	5	Alena	Labodová	Czech Rep.	Leb-don	X
23	5	Eva	Lacková	Czech Rep.	Carpen	1
24	LP	Hanna	Lewandowska	Poland	Leva wough	X
25	LP	Dragan	Marinković	Serbia	er	X
-26	3	Dominika	Muszynska-Jeleszynska	Poland		

The project is implemented through the CENTRAL EUROPE Programme co-financed by the ERDF.





1







Conference, COBRAMAN 1CE014P4, Ljubljana, Slovenia, 16th-18th of May 2011

Attendance List, Monday, 16th of May 2011

Reg.nr.	PP_nr	First Name	Surname	Country	Siganture	Returned list of meals
27	9	Barbara	Mušič	Slovenia	Boralinic	X
28	5	Zdeněk	Neustupa	Czech Rep.	Nove	X
29	9	Matej	Nikšič	Slovenia	ZT:	X
30	2	lwona	Pelka	Germany	Petho	X
31	5	Lukasz .	Pierzchala	Poland	/ Sich	
32	7	Marta	Saskova	Czech Rep.	val	X
33	2	Matthias	Schmid	Germany	Shubl	X
34	2	Michael	Schweiker	Germany	Milles	7
35	6	Primož	Skrt	Slovenia	Wy /	X
36	7	Martina	Splichalova	Czech Rep.	meele	X
37	5	Barbara	Stalmachová	Czech Rep.	lac/	X
38	9	Ivan	Stanic	Slovenia		
39	9	Mojca	Šašek Divjak	Slovenia	MCt	
40	6	Stane	Štraus	Slovenia		7
41	4	Kamila	Vavrova	Czech Rp.	Vinner	X
42	3	Marcin	Wasilewski	Poland	Wales!	X
43	LP	Natalia	Weckwert	Poland	WE CLUER	X
-44	LP	Krystyna	Wojtaś	Poland		- (1)-
45	6	Janez	Ziherl	Slovenia –	226	X
46	2	Regine	Zinz	Germany	Di	X
47	5	Dana	Žampachová	Czech Rep.	201	*
48		Tracked	KRUZIK	CZ_	100mg	\sim
49		Antonie	LE BOT	France	1000	X
50			12			
51						
52					10	

The project is implemented through the CENTRAL EUROPE Programme co-financed by the ERDF.





2





8. 7th Wrap up Seminar Vienna 10 October 2011

8.1. Agenda of training seminar

Wednesday 12th of October 2011

	7 th Brownfield manager training seminar					
09:00	10:00	WRAP- UP seminar	Thomas			
10:00	10:30	Coffee break				
10:30	12:00	WRAP-UP seminar	Thomas			
12:00	13:00	Lunch in Hotel				
13:00	15:00	Management Instruments: - site review - SWOT	Thomas			
15:00	15:30	Coffee break				
15:30	17:00	Management Plan	Thomas			





- 8.2. Seminat themes
- 8.2.1. How to deal with contamination of soil and groundwater, based on original presentation of Monika Kosulicova and Hana Pavlu from 3rd Seminar in Ostrava February 2010
- 8.2.2. Pros and Cons of PPP, based on original presentation of Dr. Thomas Ertel from 4th Seminar in Ferrara May 2010
- 8.2.3. Key issues calculations and evaluation in real estate development, based on presentation provided by Jürgen Treiber

How to calculate evaluation in real estate development

Jürgen Treiber - Treiber Consulting Real Estate Project Development Hanne-Schorp-Pflumm-Weg 44 - 70569 Stuttgart Fon: 0711- 74069236 - mobil: 0174-1888866 mail: jt-tc@gmx.de

Cost Elements

- Construction costs: demolition of existing buildings, refurbishment and/or new construction, landscaping, utility hook-ups, tenant improvements, etc.
- Environmental costs: Asbestos and MMMF removal and disposal, soil clean up, groundwater analysis and clean up if required
- Permitting costs: urbanization fees and/or works, change of use fees, construction duties, legal costs for permitting agreements with the Municipality,
- · Design and engineering: design team costs (architects, engineers), surveyors, cost planning and control, works supervision, H&S planning and control, specialists advice
- Management: development management, project management, construction management (depending on the tendering strategy)

11,10,2010

Cost Elements/2

- Marketing costs: leasing fees (office and retail), sale fees (residential), marketing tools (Web, brochures, gadgets, events, etc.), advertisment and specific marketing campaigns.
- Administrative and operating costs: legal fees, vehicle administration costs (bookkeeping, auditing, etc.), notarial fees, etc.
- Security and insurance relating to the acquired site
- Financial costs: up-front fees, loan administration fees, commitment fees, cost of
- guarantees on deferred payments, legal costs and other costs reimbursed to the lender
- Interest charges on senior loan and on VAT loan

11.10.2010

Exit costs: brokerage, legal costs for drafting of sale docs, set up and management of the data room

Cost Elements/3

- · Site acquisition: this line item is calculated as the residual value of the site based on the results of the Discounted Cash Flow (DCF) analysis, it is then compared with the asking price.
- Contingencies: an allowance for unforeseen costs, which is proportional to the variability risk of the estimated costs.

On the Revenues side, the main elements are the following:

- Rental income from the leasing up of the new buildings
- · Sale of the rented assets





The main results

By means of a DCF model, several economic and financial parameters are calculated that help the investment committees of the equity investors and of the lending banks to take a decision

- Economic results: development margin, development yield, equity multiple
- Financial results: unlevered Internal Rate of Return (IRR), equity IRR

1.10.2010 Treiber Consulting Real Estate Project
Development

Explanation

- development margin/development yield: being net profit as a percentage of total development costs, being 15-20%+ in the first analyses. Variation depends i.e. on the development period, the size of the development and the type of the property.
- equity multiple: The number expresses the multiplication factor of the invested equity in comparison to the income generated by the project result.

11.10.2010 Treiber Consulti Dev

Explanation/2

- unlevered Internal Rate of Return (IRR): the present value - via DCF-calculation – of the cash flow before financial costs and tax.
- equity IRR: the present value via DCFcalculation - of the cash flow including all project related payments like equity, loans, tax etc.

11.30.2010 Treiber Consulting Real Estate Project 3
Development





Explanation/3

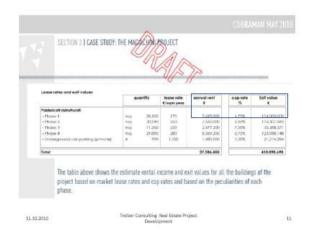
- Due diligence: Examination prozess including all economical, technical and legal aspects.
- DM and PM: Development Management and Project Management
- Contingencies: Possible costs that may occur during development
- Annual rent/cap rate = Exit value



11.10.2010 Trefter Consulting New Estate Projet Development

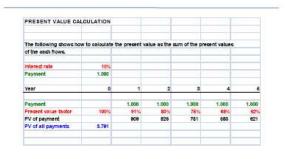








The influence of time



11.10.2030 Treiber Consulting Real Estate Project 11.





Thank you for your attention!!!

Jürgen Treiber - Treiber Consulting Real Estate Project Development Hanne-Schorp-Pflumm-Weg 44 - 70569 Stuttgart Fon: 0711-74069236 - mobil: 0174-188866 mail: jt-tc@qmx.de

150,2010

Treiber Consulting Real Estate Project
Development





- 8.2.4. Brownfield Marketing, based on original presentation of Dr. Thomas Ertel from 5th Seminar in Usti, September 2010
- 8.2.5. SWOT based on draft output 4.2.1
- 8.2.6. Management Plan, based on draft output 4.2.2
- 8.3. List of participants

List of Participants



leeting:	Training seminar WP4	Tagungsraum 9
Venue:	Hotel Flemings Wien	
Date:	12.10.201 1	

Nr.	Name	Surname	Organisation	Signature
1	Gianluca	Bortolotti	SIPRO Ferrara	23 Atti
2	Bostjan	Cotic	UPI of the Republic of Slovenia	SANSB.
3	Roman	Danel	VSB - Technical University of Ostrava	Danik.
4	Tereza	Dostalova	City of Usti nad Labem	d Edellis
5	Thomas	Ertel	et environment and technology	Why
6	Tomas	Fiala	City of Most	41
7	Chiara	Franceschini	SIPRO Ferrara	0100
8	Hana	Franková	VSB - Technical University of Ostrava	Frankora
9	Ana	Gradišar	City of Kranj	Ana Ghas
10	Maren	Gunzenhäußer	City of Stuttgart	Sulp
11	Magdalena	Jasinska	University of Economy Bydgoszcz	hogolieure fenindre
12	Frantisek	Jirasek	City of Most	
13	Kamila	Kašovská	VSB - Technical University of Ostrava	Note of the second
14	Lenka	Kindlova	City of Usti nad Labern	/ Kindloid





211





List of Participants



Nr.	Name	Surname	Organisation	Signature
15	Eva	Lackova	VSB - Technical University of Ostrava	la Lau
16	Hanna	Lewandowska	City of Bydgoszcz	Lewands - the
17	Dominika	Muszynska-Jeleszynska	University of Economy Bydgoszcz	E Whenhos
18	Iwona	Pelka	et environment and technology	Pettel
19	Lukasz	Pierzchała	VSB - Technical University of Ostrava	Subsire Picadella
50	Frantisek	Podrapski	City of Usti nad Labern	
21	Marta	Saskova	City of Usti nad Labern	PEGA.
22	Matthias	Schmid	City of Stuttgart	Stewal
23	Michael	Schweiker	City of Stuttgart	M. Colils
24	Primož	Skrt	City of Kranj	XLGT 1
25	Martina	Splichalova	City of Usti nad Labem	9 mill
26	Lenka	Sucha	City of Usti nad Labem	8
27	Marcin	Wasilewski	University of Economy Bydgoszcz	Desland
28	Natalia	Weckwert	City of Bydgoszcz	Weckwest
29	Zuzanna	Zacniewska	University of Economy Bydgoszcz	Jameska
30	Dana	Żampachová	VSB - Technical University of Ostrava	2
31	Janez	Ziheri	City of Kranj	Trich
32	Regine	Zinz	City of Stuttgart	10112





List of Participants



Nr.	Name	Surname	Organisation	Signature
33	Jugo	#okaska	University of Economy in Bydgosice	-Politerate_
34				
35				
36				
37				
38				
39				
40				









Online Seminars: 9.

1st online seminar 9.1.



The following presentation was basis for the 1st COBRAMAN online seminar which took place on 12th of November from 9:30 to 11:00.





Today's training programme:

- 1. Technical check
- 2. Follow up last training seminar Bydgoszcz
- 3. Interdisciplinary project management, helpful tools
- 4. Preparation next training seminar Most
- 5. Feedback online training

Feedback chat to the 1st meeting 19 67 6 is eventural adjust by tigestock pt. the presentation of our gliebs with the site review and group

April 2000 (Bullis II) Hengelo case was very impressive collabel while the stategest statement. Timetranie xx , working groups ox, good lisacids for the next

residing.
10 Stip John Schrift (Egily) (2). By Uni Bydgoczcz the most freithal was description of main skills for Brywnfield.
Managers as well as presentation of Sabrie Kable.
10 Stip John Highpupt. We absolutely agree with Unit Bydgoczcz team opinions.)
10 Stip John Land (Barrier Land Sabrier Land Charact Johan was very expression, also discussions in

entering the second sec

10:57 boxton concilium as working in interdisciplinary groups were fine and Regime association of SWOT analyses was impressive too. charges over their presentations were very interesting. We think the idea of

speed dating was very useful to 56 pain introde Street at the

speed dating was very useful. 10 bit man single fire SWOT analysis presentation of Regine was now 10 bit men single dignary at our year to an agree the SWOT analysis presentation of Regine was now 10 bit mental strategies and common of the other good firing on sension was a possibility to sate about problems in sourcething problemsors by others. 10 bit is invariantly only on the presentation was great and useful and logical of other problems and the same problems of the same here inspire to presentation was great and useful and logical or of the other problems of the same problems.











Feedback to the Bydgoszcz training

Please indicate:

Did the training met your expectations?



D follow up

The COBRAMAN job description

- available: experiences from other projects
- available: draft description with results of discussion from the 1st training seminar
- to be done: include experiences from you, while acting as COBRAMAN

2 follow up





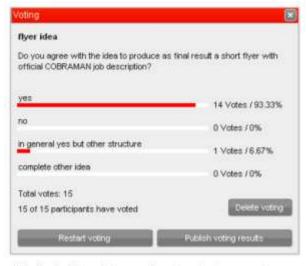
Final output:

Flyer of 3 pages which can easily

serve as job ad.

Proposed structure:

- A) short description of daily work
- B) list with tasks
- C) list with skills



2 follow up

Indicate your level of experiences in interdisciplinary project management



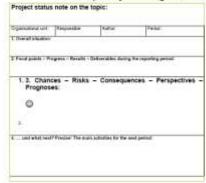
3 Project management

Helpful tool: gantt chart

- · MS Project; the original but expensive
- Openproj; freeware software, different languages http://openproj.org/openproj
- P2ware and architect enterprice; different licences available

Helpful tool: project status note

Municipality Stuttgart, Michael



3 Project management

5 key issues for Most meeting

- Interdisciplinary working group (IWG)
 Hornework: template rules of operation
- Legal framework
- Project management
 Homework, helpful tools for IWG management
- Site review
 Homework: each partner to draft a first version of his pilot project
- SWOT
 Homework each partner to draft a first version of his pilot project

3 Project management

4 Proparing Most seminar

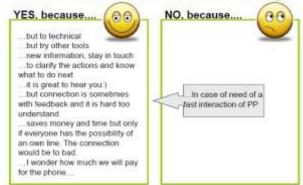




Linking WP4 to WP3



Pros & cons Should we have further online trainings?



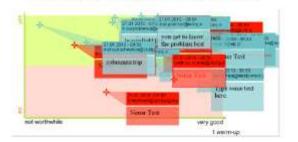




9.2. 2nd online seminar



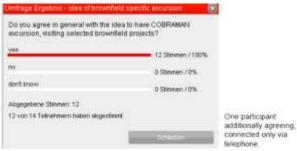
Did you ever participate in a brownfield specific excursion and was this excursion worthwhile?



2 PMP

Today's training programme:

- 1. Technical check / warm-up
- 2. Project management plan template
- 3. Key subsidiary plans
- 4. Clarification homework
- 5. Questionnaire feedback summary



The following procedure was proposed:

- The excursion is now planned for April 2010 as WP4 activity.
 - The lead in planning and organizing will taken over by the partners from Usti
- Marta will be preparing a draft letter to JTS to ask for approval of this workplan amendnement. Hanna as Lead Partner representative will be sending the letter to

Template project management plan

Template based on the PMBOK Guide



Template project management plan

(our COBRAMAN project management handbook)

- 1. Introduction
- 2. Project Management Approach
- 3. Project Scope
- 4. Milestone List
- 5. Schedule Baseline and Work Breakdown Structure
- 6. Project Change Control Process
- 7. Subsidiary Plans
- 8. Risk Register
- 9. Resource Calendar
- 10. Cost Baseline
- 11. Quality Baseline

2 PMP





Template project management plan key elements

Subsidiary plans

Spontaneously:

Can you think of best/worse practice examples providing to the partners?

7. Subsidiary Plans

- Scope Management Plan
- Cost Management Plan
- Communication Management Plan
- Risk Management Plan

3 subsidiary plans

3 subsidiary plans

The templates shown during the seminar in the download section are still available. You may find the download section by following the link of you email invitation



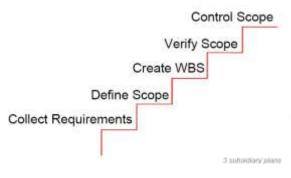
Scope Management Plan

and the second

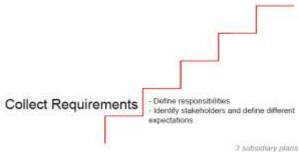
Work that must be performed to deliver a product, service or result with the specified features and functions (Definition baken from BMBOKO, 2008)

3 subsidiary plans

Scope Management Plan Five steps to manage Scope



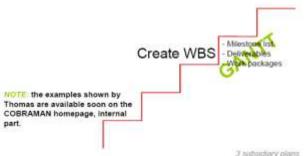
Scope Management Plan Five steps to manage Scope



Scope Management Plan Five steps to manage Scope



Scope Management Plan Five steps to manage Scope



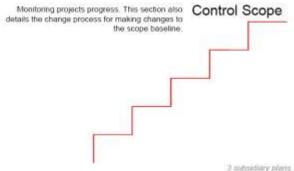




Scope Management Plan Five steps to manage Scope

Scope Management Plan Five steps to manage Scope



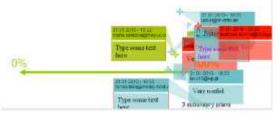


Cost management plan

Scope Management Plan

What do you think?

Do you think a scope management plan is useful for a brownfield redevelopment projects?



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Project costs Management includes the processes

involved in estimating, budgeting and controlling costs so that the project can be completed within the approved budget (Definition taken from BMBOKID, 2008)

3 motoschary plans

Cost management plan

- · Who is responsible for managing costs
- Who has the authority to approve changes to the project or its budget
- How cost performance is quantitatively measured and reported upon
- Report formats, frequency and to whom they are presented
- Detailed project budget based on WBS

Cost management plan

Tools for estimating brownfield project costs:

- Expert Judgment
- b. Analogous Estimating (from previous projects)
- Buttom-up estimating (starting from very detailed estimation per work-package and than summarising to higher level)
- Three point Estimation PERT (Most likely C_M. Optimistic C_O, Pessimistic C_P)

$$C_E = \frac{C_O + 4C_M + C_P}{6}$$

Reserve Analysis

3 subsolvey plans

Cost management plan

Budget monitoring:

- Control account (WBS component) vs current costs
- Define reporting periods / sequences
- Define budget flexibility rules (control thresholds)

Communication management plan

What do you think? How many of his working time a project mana distriction of the municating? The municating?

In literature it is stated that good project manager communicate up to 85% of their whole working time (PMBOK ©, 2004)

3 subsidiary plans

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Communication management plan

- Intersiciplinary Working Group (IWG) / Change Control Board
- Brownfield Manager
- Staff only temporarily involved in the IWG
- Key Stakeholders
- Program Managers (superior authority, mayors office, public funds office)

... and set up project team register

3 subsidiary plans

Communication management plan Internal Communications Matrix

Социальной обра- Туре	Objective of Communication	tielini	Francisco .	Ankres	Oreset	Debressie
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3 subsidiary plans

Communication management plan



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Define roles

Intersiciplinary Working Group (IWG) / Change Control Board

Communication management plan

- Brownfield Manager
- Staff only temporarily involved in the IWG
- Key Stakeholders
- Program Managers (superior authority, mayors office, public funds office)

...and set up project team register

3 subordary plans

STAKEHOLDER ENGAGEMENT FLANNING WHEN SERVER **ENGACEMENT**

Risk management plan

Objective:

Increase the probability and impact of positive events, and decrease the probability and impact of negative events

in the project. (Definition taken from BMBOK®, 2008)

The whole toolkit is ready to download at:

http://www.revitnweurope.org/selfguidingtrail/27 Stakehol der engagement a toolkit.pdf

The framework structure sheets in doc are also available in the download section of the web-conference. Please use the link you received with you online invitation.

Risk management plan

1.step: define risk categories

such as technical, external, organizational, project management. Note: in each category risks on several project objectives can be listed

technical risk; unknown groundwater pollution, risk on project objective time (significant time increase) risk on project objective cost (significant cost increase)

external risk; extremely cold winter, risk on project objective time (significant time increase)

3 summidiary plans

3 nobadiary plans





Risk management plan

2 step: identify risks

- Brainstorming
- Delphi technique
- Interviewing

....to built up a risk register where the risks and their potential responses (measure and responsible persons) are listed.

Risk management plan

3.step: perform qualitative risk assessment

by allocating risk probability and possible impact to each risk in the risk register

... to built update the risk register with a priority list of project risks

- 1. risks requiring near-term responses
- 2. risks requiring particular attention
- 3. risks requiring additional analysis and response
- 4. watchlist of low-priority risks

3 subsidiary plans

Clarification homework according to email sent 11.12.09

IWG and organisational aspects

All participants to state briefly to which administrative unit the trainees belong to, to provide an organisation chart indicating their position, what are their expenences in this role so far and where the brownfield manager should be preferably located (organisation) according to your experiences. Homework to be delivered as plain text until end of December.

3 subsidiary plans

It is our aim to set up a catalogue of legal framework affecting brownfield management, including national chapters to guide all COBRAMAN through national regulations? laws, which do implement or are related to European directives. The national partners clarify by themselves, who will do what. Homework to be done by the partners (see presentation) until and of January 2010.

project management instruments (2nd day of seminar)

All partners are asked to establish SWOT and site review for their local project if possible. These documents should be provided in a publishable version (indicate where confidential information is deleted), until Febr. 2010, contributing to our collection of best practise.



in general, are you calculed with the traceing? Questionnaire: General organization For Muse semmen, would you like to have othe formula tainful as well onle plays, open forum discussion. Was the level of know hore adequate and not too easy? Were the preventations given by Thomas useful? Was the format anixture of pres



Future seminars

- more learness, more examples of BF projects from the past.

 These should always be an active part in the training. This could be weeking in small groots, plays, if the group spits up or annale units to consensation in backlated. The task of each section and each weeking other should be clear for the presentors and working organizations of each spits of the properties and working organization or the properties and working organization or the properties of the properties of the properties of the properties and working organization or the properties of the propert
- occasion and outsit working deep should be clear to the presention and writing group become starting to present/work.

 As presently people talk more with such other when they are put into arrial groups and when they have process between all arbitrates to tall though the groups alroad always have the strengest which process the certain arbitrates to tall though the groups alroad always have the strengest experienced present the vert group is not a result of time, also when the questions are very specific not greated, the live of two does go seems cause although producting less consistently laws presentations, more references group discussions, demand for more WP leaders responsibility awang time for training programmer (invalided or speaking WPS distillation discussions having time to do BF makinger training activities). The product of seminar in code of nevitalizations. Topic of seminar: Tools of nevitalizations.

- Logic or sensus. Jose any Personal or invitational or any approximation of the sense of the sens

More practical work, more practice examples

Handbook

- presentations, general information.

 In truth, I do not know what to add segmently, but I will be very happy if a whole handbook heigs me as a guide or menter of work with brownfields in practical matters. Not just as a collection of theoretical presentations (Of course very important), all presentions, flat of participants and a summary of each training. If lead the selections to the legal flamments and website time. Sit on building partitisating with state-to-delice? Maybe, the community inclusion strategy (public information about pilot sites excursions (photos and description). Foundations of theory.

- In my opinion the training handbook included everything I need, therefore I can not state what could be added
- casy studies, basic of theorytknowledge of revitalisation brownfiel, tota of revitalisation process
- power point presentations, all documents provided by experts, relevant infernel websites, summary of tackled topics

presentations, info given during seminars, practice examples





The paper in hand reflects the author's views and the Managing Authority of the INTERREG IV B CENTRAL Programme is not liable for any use that may be made of the information contained therein.



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