

**TRANSBOUNDARY INFORMATION
EXCHANGE FOR REVISION AND
FUNCTIONAL IMPROVEMENT OF
ZONATION OF THE LOWER MORAVA
BIOSPHERE RESERVE
(CZECH REPUBLIC)**

ANNEX

Annex to:


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October 2010

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Lower Morava Biosphere Reserve
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Klagenfurt, Oktober 2010

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Abbreviations

BR Biosphere Reserve

IPAM Integrated Protected Area Management

LMBR Lower Morava Biosphere Reserve

PA Protected Area

WBP Biosphärenpark Wienerwald

WD Working days

WP Work package

1 ANNEX

1_1 Minutes Kick off meeting 14.12.2009

*Transboundary information exchange for revision and functional improvement of zonation of the Lower Morava Biosphere Reserve (Czech Republic)
WS1: Kick off meeting 14.12.2009*

<i>Minutes number.</i>	1
<i>location</i>	Lednice, CZ
<i>date and time</i>	14.12.2009; 13:00-16:00
<i>participants</i>	Petr Cupa , Eva Horsáková , Karel Zlatuska , Libor Opluštil, Jiri Stonawski Christian Diry, Hanns Kirchmeir
<i>type of meeting</i>	Kick off meeting
<i>objective</i>	organisational start meeting of the project team
<i>Agenda</i>	<ul style="list-style-type: none"> ■ Introduction of the members of the steering group (30 min) ■ Discussion of the concept (objectives, results) (60 min) ■ Organisational structure and resources (45 min) ■ Time schedule and dates of the three workshops (30 min) ■ Next steps (15 min)
<i>Content and results</i>	<ul style="list-style-type: none"> ■ Discussion of timeframe and results

- Agreement on Workshops:
 - First internal workshop (actual zonation, stakeholders, available data)
 - Location: Lower Morava
 - Participants: steering group, external experts, stakeholder?
 - Date: Tue. 23. February 2010?
 - Second internal workshop (methodical concept, process, work steps)
 - Location: Wienerwald
 - Participants: steering group, external experts, stakeholder?
 - Date: 14.-15. April 2010
 - Third workshop (Discussion on the draft planning handbook)
 - Location: Lower Morava
 - Participants: steering group, external experts, stakeholder?
 - Date: 15. June 2010
- Presentation see attached ppt -slides

To do's

- thematic catalogue of needed data provided by Hanns Kirchmeir to Petr Cupa
- dissemination of minutes

attachment:

- slides of the presentation

Ausfertigung

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 0463/504144-12

1_1_1 Attachment

Trans-boundary information exchange for revision and functional improvement of Zonation in the Lower Morava Biosphere Reserve (Czech Republic)



Hanns
Kirchmeir
14.12.2009
Lednice

Agenda

E C O

- Introduction of the members of the steering group (30 min)
- Discussion of the concept (objectives, results) (60 min)
- Organisational structure and resources (45 min)
- Time schedule and dates of the three workshops (30 min)
- Next steps (15 min)

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E.C.O. Institute of Ecology

E C O

- Company founded 1997 in Klagenfurt
- 11 employees
- Main activities
 - Protected area management
 - Forest ecology, habitat & vegetation mapping, environmental risk assessment
- Activities in Biosphere reserves
 - Evaluation of Austrian Biosphere reserves
 - Zonation of BR Wienerwald
 - Research concept for BR Wienerwald and BR Großes Walsertal
 - Participation processes in Biosphere reserves
 - GIS support, WEB-GIS white book, Management concept for core zones Wienerwald
 - Education and Capacity building of East Carpathian and Carpathian BR (UA)
 - Development Concept for BR in Ethiopia
- Homepage: <http://www.e-c-o.at>
- The IPAM-Toolbox: <http://www.ipam.info>
- MSc Management of Protected areas, UNI Klagenfurt: <http://mpa.e-c-o.at>

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Objectives

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- Develop the process for redesigning the Zonation
- Zonation should meet the MAB Sevilla strategy requirements
- Zonation should regard ecological, social and economic objectives
- Stakeholders should be integrated into the process

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Workflow 1

E C O

- Implementation of the steering group
- First internal workshop covering the following topics:
 - Analysis of the actual situation (old zonation, legal status, ownership)
 - Analysis of the stakeholders, which should be involved
 - Analysis of available spatial and statistical data
- Data collection, dissemination of results to all project partners

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Workflow 2

E C O

- Second internal workshop covering the following topics:
 - Methodological concept of the zonation process
 - Definitions of the working-steps and workflow (including timeframe, responsibility and needed resources)
 - Definition of the technical standards (spatial scale, coordinate systems, data formats)
- Compilation of results into the draft planning handbook
- Dissemination of the draft to all project partners

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Workflow 3

E C O

- Third workshop covering the following topics:
 - Discussion of the draft planning handbook
 - Common agreement on the final version of the planning handbook

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Results

E C O

- Analysis of the actual situation (old zonation, legal status, ownership)
- Analysis of the stakeholders, which should be involved
- Analysis of available spatial and statistical data
- Methodological concept of the zonation process
- Definitions of the working-steps and workflow (including timeframe, responsibility and needed resources)
- Definition of the technical standards (spatial scale, coordinate systems, data formats)
- Definition of the organisational structure for the zonation process (steering, operating and controlling bodies)

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Deliverables of first phase

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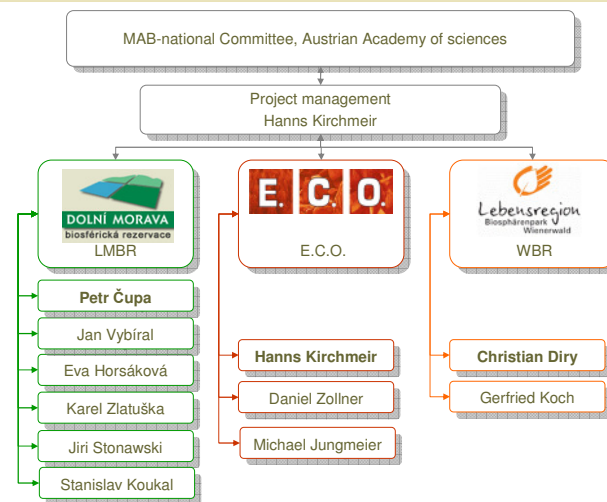
- Informed local stakeholders
- Agreed consensus on the zonation process described in the planning handbook (digital, English language, with general results usable for other parks too).

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Organisatorische Struktur

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responsibilities

E C O

- E.C.O.:
 - project management
 - draft of the methodical concept
 - moderation of the workshops
 - documentation of the concept within the planning handbook.
- LMBR:
 - organisation of the workshops
 - preparation of the needed data and information
 - contacting and inviting local stakeholders
 - translation, implementation and documentation of the zonation process
- WBP:
 - exchange of experience within the workshops
 - supervision of the process

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Resources

E.C.O.

Work costs LMBR	€ 4.800,00
Work costs WBR	€ 0,00
Work costs E.C.O.	€ 9.216,00
Workshop materials, coffee, seminar-rooms etc	€ 500,00
5x Travel by car (Vienna, Breclav), expenses, train, accommodation	€ 2.230,00
Total	€ 16.746,00

12/35

Milestones

E.C.O.

- First internal workshop (actual zonation, stakeholders, available data)
 - Location: Lower Morava
 - Participants: steering group, external experts, stakeholder?
 - Date: Tue. 23. February 2010?
- Second internal workshop (methodical concept, process, work steps)
 - Location: Wienerwald
 - Participants: steering group, external experts, stakeholder?
 - Date: 14.-15. April 2010
- Third workshop (Discussion on the draft planning handbook)
 - Location: Lower Morava
 - Participants: steering group, external experts, stakeholder?
 - Date: 15. June 2010

14/35

Time schedule

E.C.O.

Variant A	2009		2010					
	12	1	2	3	4	5	6	7
Development of planning handbook								
Implementation of the steering group	■							
First internal workshop		■						
Data collection, dissemination of results		■	■					
Second internal workshop				■				
Compilation into the draft planning handbook					■	■		
Dissemination of the draft to all project partners							■	
Third workshop								■

Variant B	2009		2010					
	12	1	2	3	4	5	6	7
Development of planning handbook								
Implementation of the steering group	■							
First internal workshop		■						
Data collection, dissemination of results		■	■					
Second internal workshop				■				
Compilation into the draft planning handbook					■			
Dissemination of the draft to all project partners							■	
Third workshop					■			

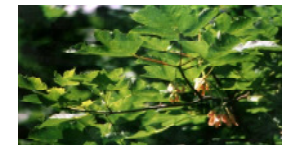
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Next steps

E.C.O.

- Fixing the date of workshop
- Screening available data

15/35



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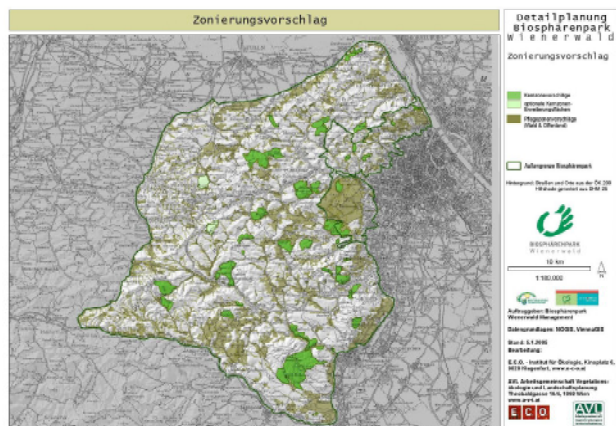
Thank you for attention!

E.C.O.

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Example of zoning Process in BR Wienerwald

E.C.O.



17/35

In the zoning process, several stakeholders are involved

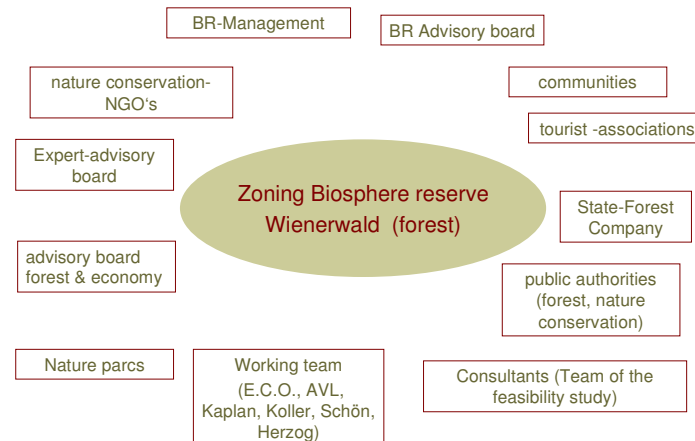
E.C.O.



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The analyses of the involved stakeholder groups is the basis of the communication design

E.C.O.



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E C O

2 **Concept : tasks and timetable**

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E C O

3 **Concept: Communication process**

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Minimizing conflicts need a clear concept for communication

E.C.O.

- How should we design the communication process ?
- Who is in charge to inform public, press, stakeholders?
- How to deal with confidential information?



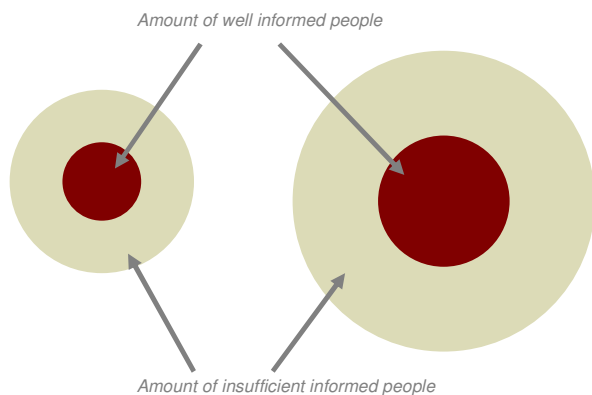
Information-Paradoxon:
„The number of not efficient informed people increases in a higher proportion than the number of well informed people" ->

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Information-Paradoxon

E.C.O.



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Organization of the communication process

E.C.O.

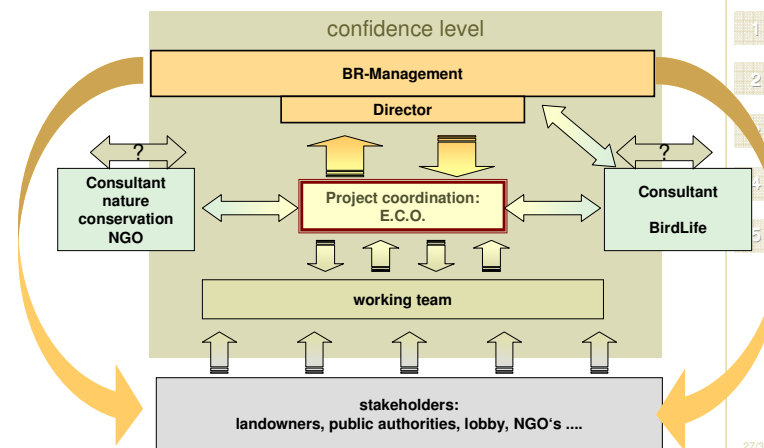
- Who is inviting to workshops and meetings? (BR-Management\)
- Who will inform the landowners ? (BR-Management \)
- Will there be a official press review during the process? (no money for Observer)
- Which persons will have access to the online project platform?
 - confidence level 1: BR-Management & Working team (password protection)
 - confidence level 2: landowners, communities, public authorities (password protection)
 - public (without password)%

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Communication structure

E.C.O.



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E C O

4 Concept : interaction with landowners

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Before the discussion of details with the landowner, the legal and financial framework has to be fixed

E C O

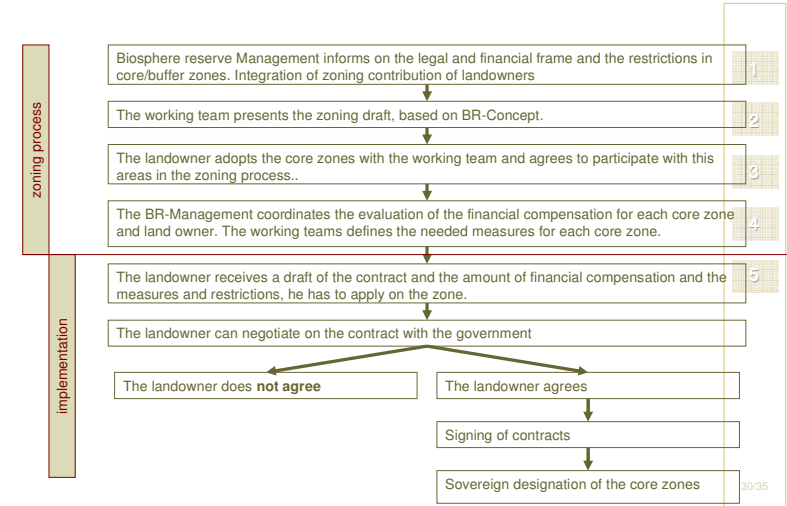
The landowners only will accept the zoning results, when the procedure is transparent and reliable

- How are the landowners involved into the zoning process
- What will be the legal status of the zoning
 - sovereign status of protection
 - private contract with government
- Which time frame do the contracts have?
- Does the landowner have the chance to drop out of the process
- Is the budget of compensations reliable?
- What restrictions does the landowner have to accept (in core, buffer, transition zone)?

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Process-scheme for landowners in core zones

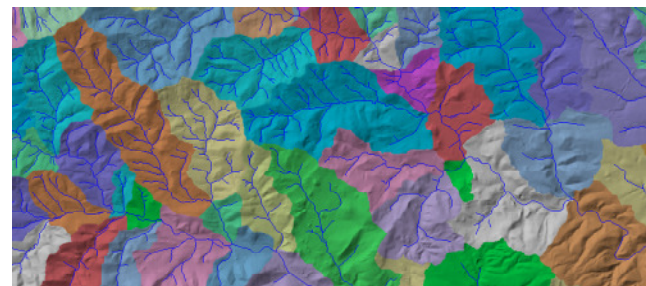
E C O



Delineation of watersheds

E C O

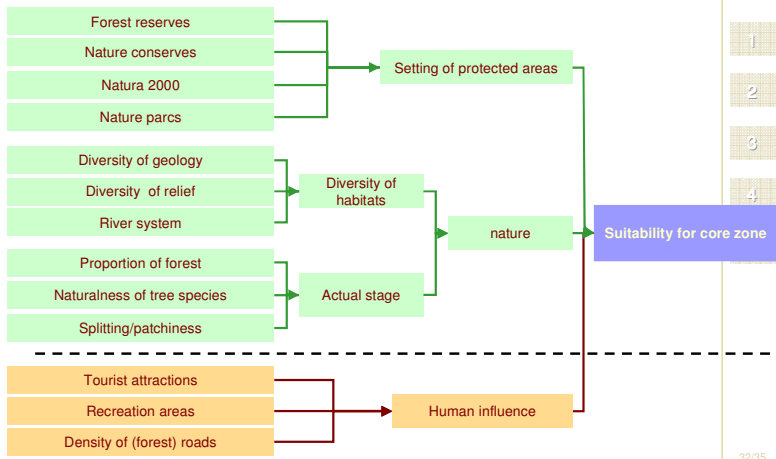
- Clearly separated spatial elements
- Compact ecological units
- Available for the whole region



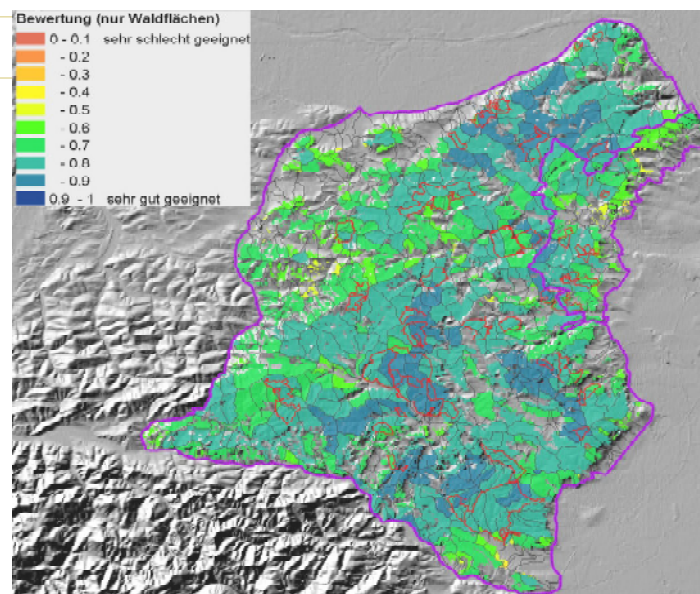
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The model

E C O



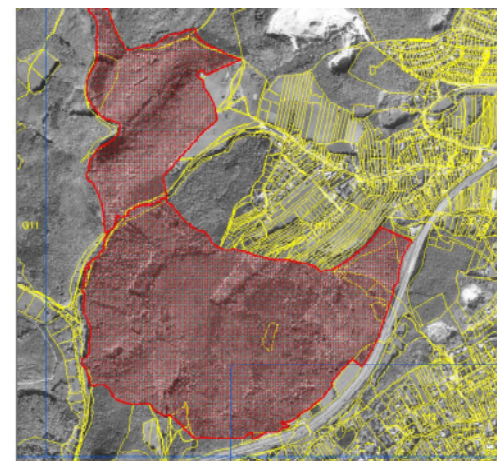
32/35



Delineation of core zones in the field

E C O

Naturwaldreservate	2	Schutzgebietsausstattung	1
Naturschutzgebiete	1		
Natura 2000 Gebiete	1		
Naturparke	0,2		
Geologie	1	Standortsvielfalt	1
Relief	1		
Gewässernetz	0,5		
Waldanteil	2	Aktueller Waldzustand	2
Naturnahe Baumarten	1,5		
Geschlossenheit	1		
beliebte Wanderziele	0,5		
Wohnumlandnutzung	1		
Erschließungsgrad	1		



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1_2 Minutes First internal Workshop 23.2.2010

Transboundary information exchange for revision and functional improvement of zonation of the Lower Morava Biosphere Reserve (Czech Republic) WS1: First internal Workshop 23.02.2010

<i>Minutes number.</i>	2
<i>location</i>	Lednice, CZ
<i>date and time</i>	23.2.2010 13:00-17:00
<i>participants</i>	Petr Cupa , Jan Vybíral, Eva Horsáková , Karel Zlatuska , Libor Opluštil, Jiri Stonawski, Stanislav Koukal , Christian Diry, Hanns Kirchmeir
<i>type of meeting</i>	workshop
<i>objective</i>	organisational start meeting of the project team
Agenda	<ul style="list-style-type: none"> ■ Analysis of the actual situation (60 min) <ul style="list-style-type: none"> ■ reflection on the BR objectives? ■ which are relevant for the zonation process? ■ Expected results of the redesign of zonation (30 min) <ul style="list-style-type: none"> ■ what are the personal expectations of the re-zonation? ■ Stakeholder Analysis (45 min) <ul style="list-style-type: none"> ■ who are the important stakeholder groups? ■ Analysis of available spatial and statistical data (30 min) <ul style="list-style-type: none"> ■ which data will be needed? ■ Next steps

Content and results

- Introduction into the roles of a biosphere reserve and (for the zonation) relevant goals and objectives defined by the Seville strategy (see slides in the annex)
- Definition of the zones within a biosphere reserve (Article 4 “criteria” of the The Statutory Framework of the World Network of Biosphere Reserves)
- Description of the three zones (based on the process in BR Wienerwald)
- Assessment of the actual situation by ranking the implementation of key directions of the Seville strategy for the past and for the future (see annex)
- Collection of the personal expectations of the steering committee on the results and the process of the re-zonation.
- Analysis of the stakeholders (sorted by the direction (positive or negative) and strength of influence)
- Short overview of the needed data (actual state of the data catalogue provided by Petr Cupa)
- Discussion of the organisational frame for the next meeting in Vienna (14.+15. April 2010)

To do's

- Organisation of the next meeting in Vienna by Hanns Kirchmeir and Christian Diryt
- Further development of the stakeholder analysis (separation of large groups, analysis why so many groups are indifferent)
- dissemination of minutes

Annex:

1. Result of ranking the key directives of the Seville strategy
2. Expectations of the steering committee members on the results and the process of re-zonation
3. Result of the stake holder analyse
4. Actual stage of data collection
5. Slides of the presentation

Ausfertigung

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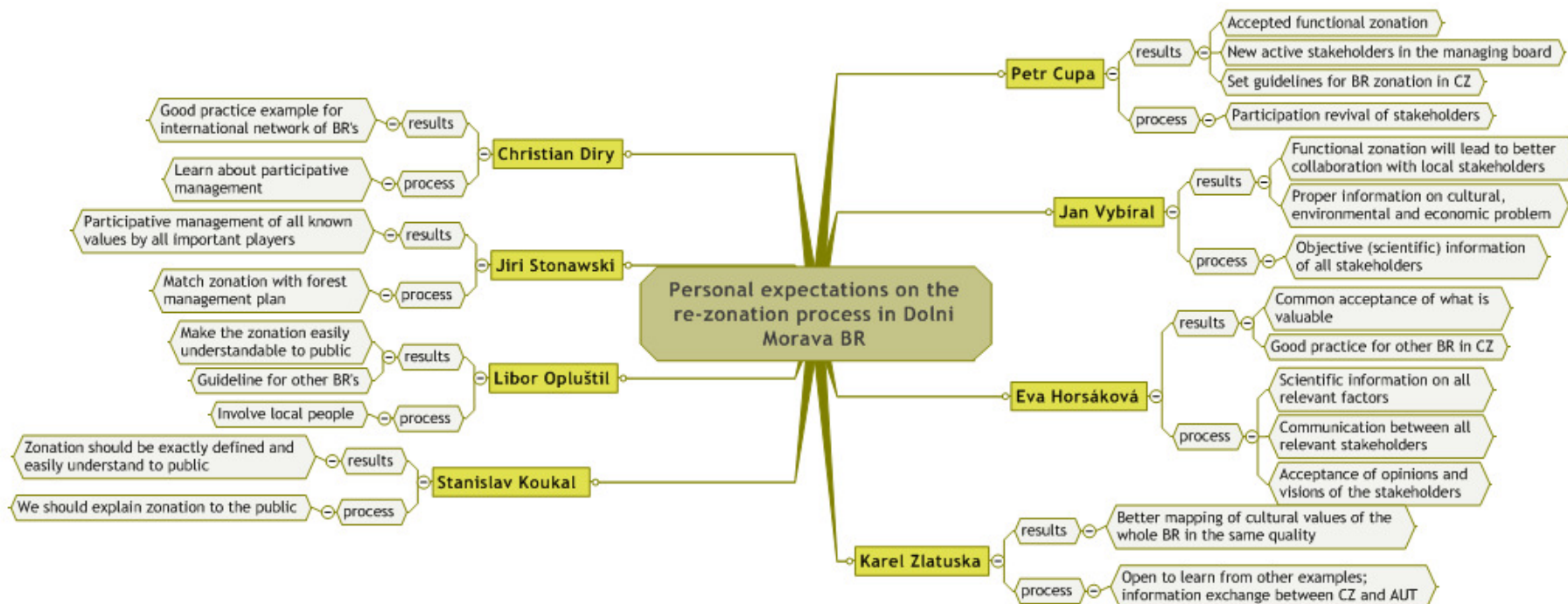
1_2_1 Assessment of the actual situation by ranking the implementation of key directions of the Seville strategy for the past and for the future:

- Past situation: how much activities or resources have been spent in the past to reach this objective? (green dots)
 - 0 point: no activities/resources
 - 3 points: a lot of resources
- Future situation: how much activities or resources should be spent in the future to reach this objective? (red dots)
 - 0 point: no activities/resources
 - 3 points: a lot of resources
- Relevance: does this objective have direct relevance for the zonation process? (blue dots)
 - 0 point: no relevance
 - 3 points: high relevance
- Each of the 7 members of the LMBR steering board gave their ranking-point to each key direction (0 to max. 3 points per directive and column).
- Result sorted by relevance for the zonation process

	Key direction	past	future	Relevance for zonation
5.	Ensure that all zones of biosphere reserves contribute appropriately to conservation, sustainable development and scientific understanding.	0	5	10
6.	Extend the transition area to embrace large areas suitable for approaches, such as ecosystem management, and use biosphere reserves to explore and demonstrate approaches to sustainable development at the regional scale. For this, more attention should be given to the transition area.	2	6	7

9.	Bring together all interested groups and sectors in a partnership approach to biosphere reserves both at site and network levels. Information should flow freely among all concerned.	14	15	7
3.	Strengthen the emerging regional, inter-regional and thematic networks of biosphere reserves as components within the World Network of Biosphere Reserves.	11	14	6
7.	Reflect more fully the human dimensions of biosphere reserves . Connections should be made between cultural and biological diversity. Traditional knowledge and genetic resources should be conserved and their role in sustainable development should be recognized and encouraged.	3	6	6
8.	Promote the management of each biosphere reserve essentially as a ' pact between the local community and society as a whole '. Management should be open, evolving and adaptive. Such an approach will help ensure that biosphere reserves - and their local communities - are better placed to respond to external political, economic and social pressures.	5	9	5
2.	Develop biosphere reserves that include a wide variety of environmental, biological, economic and cultural situations , going from largely undisturbed regions and spreading towards cities. There is a particular potential, and need, to apply the biosphere reserve concept in the coastal and marine environment.	0	2	4
1.	Strengthen the contribution which biosphere reserves make to the implementation of international agreements promoting conservation and sustainable development , especially to the Convention on Biological Diversity and other agreements, such as those on climate change, desertification and forests.	0	0	2
10.	Invest in the future. Biosphere reserves should be used to further our understanding of humanity's relationship with the natural world , through programs of public awareness, information and formal and informal education, based on a long-term, inter-generational perspective.	1	15	2
4.	Reinforce scientific research, monitoring, training and education in biosphere reserves, since conservation and rational use of resources in these areas require a sound base in the natural and social sciences as well as the humanities. This need is particularly acute in countries where biosphere reserves lack human and financial resources and should receive priority attention.	3	3	0

1_2_2 Expectations of the steering committee members on the results and the process of re-zonation

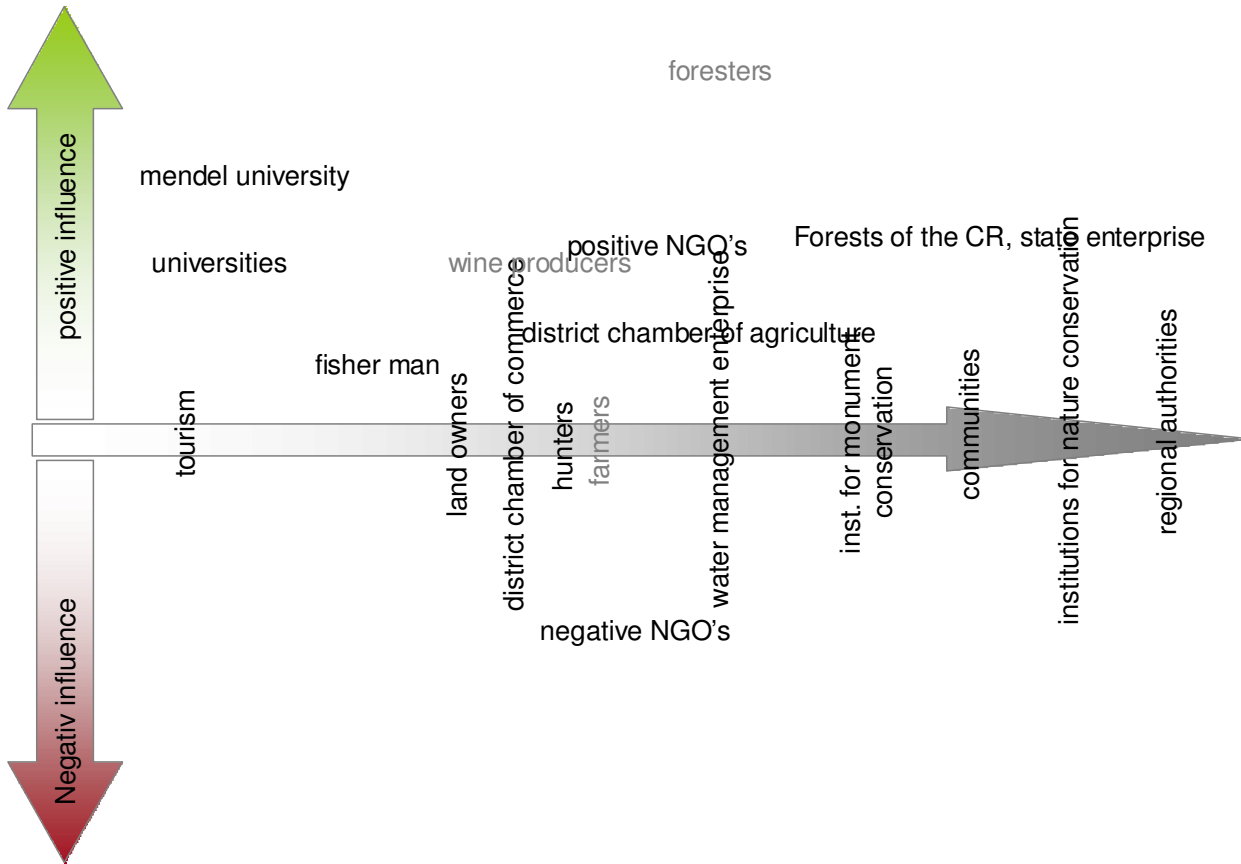


- Petr Cupa
 - results
 - Accepted functional zonation
 - New active stakeholders in the managing board
 - Set guidelines for BR zonation in CZ
 - process
 - Participation revival of stakeholders
- Jan Vybiral
 - results
 - Functional zonation will lead to better collaboration with local stakeholders
 - Proper information on cultural, environmental and economic problem
 - process

- Objective (scientific) information of all stakeholders
- Eva Horsáková
 - results
 - Common acceptance of what is valuable
 - Good practice for other BR in CZ
 - process
 - Scientific information on all relevant factors
 - Communication between all relevant stakeholders
 - Acceptance of opinions and visions of the stakeholders
- Karel Zlatuska
 - results
 - Better mapping of cultural values of the whole BR in the same quality
 - process
 - Open to learn from other examples; information exchange between CZ and AUT
- Stanislav Koukal
 - results
 - Zonation should be exactly defined and easily understand to public
 - process
 - We should explain zonation to the public
- Libor Opluštil
 - results
 - Make the zonation easily understandable to public
 - Guideline for other BR's
 - process
 - Involve local people
- Jiri Stonawski
 - results
 - Participative management of all known values by all important players
 - process
 - Match zonation with forest management plan
- Christian Diry
 - results
 - Good practice example for international network of BR's

- process
 - Learn about participative management

1_2_3 Result of the stake holder analyse



1_2_4 Actual stage of data collection

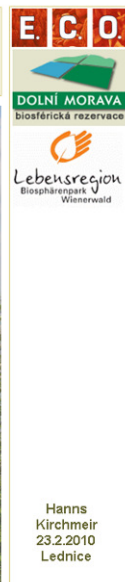
Name of datasource	Scale of spatial basedata	description	covered area	source (institution, person, that is responsible for data distribution)	costs
BR Dolni Morava Zonation map	1:150 000 .tiff				
Development plan of the greater area of Breclav county	1:50 000 1:100 000	Prognosis of the area development from various aspects	100% of BRDM - the whole Breclav county	Petr Čupa	
The Pálava Protected Landscape Area - the borders	.shp file	Territorial delimitation of the largest protected area within the BR	The Pálava Protected Landscape Area - 83 km ²	Ing. Koukal The Agency for Nature Conservation and Landscape Protection of the Czech Republic stanislav.koukal@nature.cz	
The Pálava Protected Landscape Area - the zonation	.shp file	Zonation of the largest protected area within the BR - the zonation is legally binding	The Pálava Protected Landscape Area - 83 km ²	Ing. Koukal The Agency for Nature Conservation and Landscape Protection of the Czech Republic stanislav.koukal@nature.cz	
Small-size Specially Protected Areas within BR incl. their buffer zones		National nature reserves (NNR) National nature monuments (NNM) Nature reserves (NR) Nature monuments (NM)		Ing. Koukal The Agency for Nature Conservation and Landscape Protection of the Czech Republic stanislav.koukal@nature.cz	
Special Protection Areas of Natura 2000		Special protection areas that are designated according to the Directive on the Conservation of Wild Birds 79/409 EEC (Birds Directive).		www.drusop.nature.cz , http://www.nature.cz/natura2000-design3/sub-text.php?id=1804	
Special Areas of Conservation of Natura 2000		Special Areas of Conservation designated according to the Directive on the Conservation of Natural Habitats and of Wild Fauna and Flora 92/43/EEC (Habitats Directive).		www.drusop.nature.cz , http://www.nature.cz/natura2000-design3/sub-text.php?id=1805	

Ramsar sites				Ing. Koukal The Agency for Nature Conservation and Landscape Protection of the Czech Republic stanislav.koukal@nature.cz	
BR borders				Ing. Koukal The Agency for Nature Conservation and Landscape Protection of the Czech Republic stanislav.koukal@nature.cz	
BR Land-use map	1:125 000	Land use map with text summary of the whole BR		Petr Čupa	
BR Geological map	.shp			Petr Čupa	
Forest management plans		Forest age and type structure - legally binding forest management material		Jiří Stonawski Forests of the Czech Republic,s.e. stonawski@lesycr.cz	
Lednice-Valtice Cultural Landscape - WHS Management plan				Eva Horsakova WH Site-manager eva.horsakova@dolnimorava.org	
Proposal of the the Soutok Protected Landscape Area		Draft material for declaration of new Protected Landscape Area	? current validity ?	Petr Čupa	

1_2_5 Slides of the presentation

Trans-boundary information exchange for revision and functional improvement of Zonation in the Lower Morava Biosphere Reserve (Czech Republic)

Workshop on objectives, stakeholders and data

**Agenda**

E C O

- Analysis of the actual situation (60 min)
 - reflection on the BR objectives?
 - which are relevant for the zonation process?
- Expected results of the redesign of zonation (30 min)
 - what are the personal expectations of the re-zonation?
- Stakeholder Analysis (45 min)
 - who are the important stakeholder groups?
- Analysis of available spatial and statistical data (30 min)
 - which data will be needed?

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Objectives of the re-zonation of the Dolni Morava BR

E C O

- Develop the process for redesigning the zonation
- Zonation should meet the MAB Sevilla strategy requirements
- Zonation should regard ecological, social and economic objectives
- Stakeholders should be integrated into the process

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E C O

Analysis of the actual situation

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UNESCO 's MAB Programme

E C O

UNESCO 's MAB Program develops the basis, within the natural and the social sciences, for the sustainable use and conservation of biological diversity, and for the improvement of the relationship between people and their environment globally.



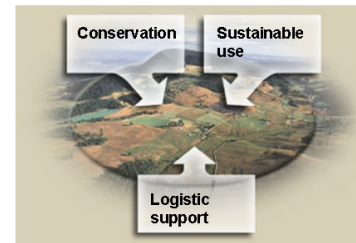
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Biosphere reserves perform three main roles:

E C O

- Conservation in situ of natural and semi-natural ecosystems and landscapes
- Demonstration areas for ecologically and socio-culturally sustainable use; and
- Logistic support for research, monitoring, education, training and information exchange



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Goal I: use biosphere reserves to conserve natural and cultural diversity

E C O

- **OBJECTIVE I.1: Improve the coverage of natural and cultural biodiversity by means of the World Network of Biosphere Reserves**
- 4. In light of the analysis, and taking into account existing protected areas, establish, strengthen or extend biosphere reserves as necessary, giving special attention to fragmented habitats, threatened ecosystems, and fragile and vulnerable environments, both natural and cultural.

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Goal IV: implement the biosphere reserve concept

E C O

- **OBJECTIVE IV.1: Integrate the functions of biosphere reserves**
- 10. Identify and map the different zones of biosphere reserves and define their respective status.
- 11. Prepare, implement and monitor an overall management plan, or policy, that includes all of the zones of biosphere reserves.
- 12. Where necessary, in order to preserve the core area, re-plan the buffer and transition zones, according to sustainable development criteria.
- 13. Define and establish institutional mechanisms to manage, co-ordinate and integrate the reserve's programmes and activities.
- 14. Ensure that the local community participate in the planning and management of biosphere reserves.
- 15. Encourage private sector initiatives to establish and maintain environmentally and socially sustainable activities in the reserve and surrounding areas.

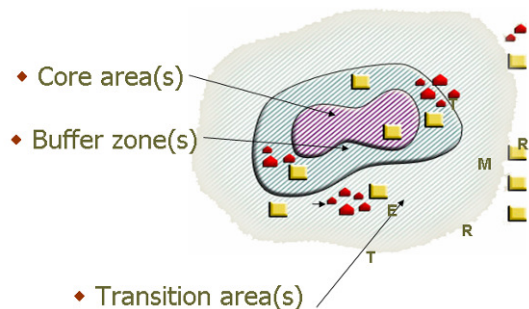
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8/29

Biosphere Reserves - How are they organized?

E C O

■ These functions are associated through zonation system including:



- R Research station or experimental research site
- M Monitoring
- E Education/training
- T Tourism

This schema can be adapted to various ecological, socio-cultural and legal contexts

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9/29

Article 4 "criteria" of the The Statutory Framework of the World Network of Biosphere Reserves

E C O

- It should include these functions, through appropriate zonation, recognizing:
 - (a) a legally constituted core area or areas devoted to long-term protection, according to the conservation objectives of the biosphere reserve, and of sufficient size to meet these objectives;
 - (b) a buffer zone or zones clearly identified and surrounding or contiguous to the core area or areas, where only activities compatible with the conservation objectives can take place;
 - (c) an outer transition area where sustainable resource management practices are promoted and developed.

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Core area

E. C. O.

- habitat types: (untouched) natural habitats (e.g.. virgin forests, peat bogs ...)
- main function: nature conservation (protection of natural ecosystems)
- side functions: research, environmental education
- restrictions:
 - no land use or land management (agriculture, forestry, water management ...)
 - prohibition of settlements, constructions and mining
 - recreation is possible but restricted
- status of protection: strictly protected by national legislation
- amount of area (no minimum defined by Sevilla strategy)
 - Germany: min. 3% (of the whole BR)
 - Austria: min 5% (of the whole BR)

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Buffer zone

E. C. O.

- habitat types : habitats of traditional land use (e.g. managed forests, meadows)
- main function: buffer and network between the core zones
protection of habitats/species by special management
- side functions : preservation of extensive (traditional) land use
social-cultural and ecological sustainable development
- restrictions:
 - limitation of extensive and sustainable land use
 - special management of threatened species or habitat types
- status of protection: no legal protection needed
- amount of area (no minimum defined by Sevilla strategy)
 - Germany: min. 10% (buffer zone + core zone min. 20%)

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Transition area

E. C. O.

- habitat types : no restrictions
- main function: social-cultural and ecological sustainable development
- side functions : recreation, education
- restrictions: no restrictions
- status of protection: no legal protection needed
- amount of area: all areas that do not belong to the core area or buffer zone

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Key directions of Sevilla strategy (1 – 5)

E. C. O.

1. Strengthen the contribution which biosphere reserves make to the **implementation of international agreements promoting conservation and sustainable development**, especially to the Convention on Biological Diversity and other agreements, such as those on climate change, desertification and forests.
2. Develop biosphere reserves that **include a wide variety of environmental, biological, economic and cultural situations**, going from largely undisturbed regions and spreading towards cities. There is a particular potential, and need, to apply the biosphere reserve concept in the coastal and marine environment.
3. Strengthen the emerging **regional, inter-regional and thematic networks** of biosphere reserves as components within the World Network of Biosphere Reserves.
4. **Reinforce scientific research, monitoring, training and education** in biosphere reserves, since conservation and rational use of resources in these areas require a sound base in the natural and social sciences as well as the humanities. This need is particularly acute in countries where biosphere reserves lack human and financial resources and should receive priority attention.
5. Ensure that all **zones** of biosphere reserves contribute appropriately to **conservation, sustainable development and scientific understanding**.

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Key directions of Sevilla strategy (6 -10)

- 6. **Extend the transition area** to embrace large areas suitable for approaches, such as ecosystem management, and use biosphere reserves to explore and demonstrate approaches to sustainable development at the regional scale. For this, more attention should be given to the transition area.
- 7. Reflect more fully **the human dimensions of biosphere reserves**. Connections should be made between cultural and biological diversity. Traditional knowledge and genetic resources should be conserved and their role in sustainable development should be recognized and encouraged.
- 8. Promote the management of each biosphere reserve essentially as a **'pact' between the local community and society as a whole**. Management should be open, evolving and adaptive. Such an approach will help ensure that biosphere reserves - and their local communities - are better placed to respond to external political, economic and social pressures.
- 9. **Bring together all interested groups and sectors** in a partnership approach to biosphere reserves both at site and network levels. Information should flow freely among all concerned.
- 10. Invest in the future. Biosphere reserves should be used to further our **understanding of humanity's relationship with the natural world**, through programs of public awareness, information and formal and informal education, based on a long-term, inter-generational perspective.

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Assessment of the actual situation: contribution to the key directions

E C O

- actual situation: how much activities or resources have been spent in the past to reach this objective? (green dots)
 - 0 point: no activities/resources
 - 3 points: a lot of resources
- future situation: how much activities or resources should be spent in the future to reach this objective? (red dots)
 - 0 point: no activities/resources
 - 3 points: a lot of resources
- relevance: does this objective have direct relevance for the zonation process? (blue dots)
 - 0 point: no relevance
 - 3 points: high relevance

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Expected results of the redesign of zonation

Expected results of the redesign of zonation

E C O

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Personal expectations on the re-zonation

E C O

- What are the personal expectations on:
 - the results
 - the process
- [Mind Map](#)

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Stakeholder Analysis

E C O

Goal II: utilize biosphere reserves as models of land management and of approaches to sustainable development

E C O

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- **OBJECTIVE II.1: Secure the support and involvement of local people**
 - 5. Survey the interests of the various stakeholders and fully involve them in planning and decision-making regarding the management and use of the reserve.
- **OBJECTIVE II.2: Ensure better harmonization and interaction among the different biosphere reserve zones**
 - 2. Develop means of identifying incompatibilities between the conservation and sustainable-use functions of biosphere reserves, and take measures to ensure that an appropriate balance between the functions is maintained.
 - 4. Establish a local consultative framework in which the reserve's economic and social stakeholders are represented, including the full range of interests (e.g. agriculture, forestry, hunting and extracting, water and energy supply, fisheries, tourism, recreation, research).

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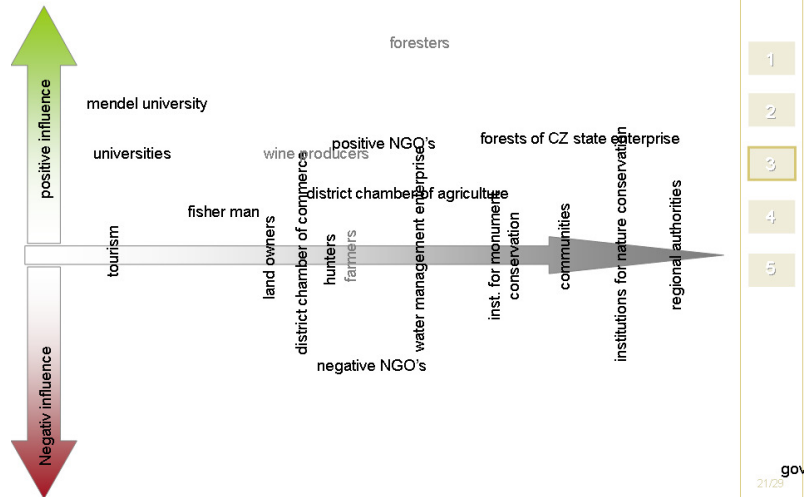
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Stakeholder analysis

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E C O



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Analysis of available spatial and statistical data

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needed data

E.C.O.

Priority	general information
1	Boarder and old zonation of the BR
1	Topografic maps (1:50.000 and 200.000) , for orientation (backgroundlayer)
	Digital elevation model (DEM); 50m or 10m raster data
2	50m or 10m raster data
1	actual cadastre (network of parcels)
2	digital aerial images or high resolution satellite images (true colour or infrared)
	Natural assessts
1	Existing protected areas (Natura parks, Natura 2000, nature reserves, landscape parks, UNESCO world heritage, ...)
1	Land use information (Forests, intensive/extensive used grassland (meadows & pastures), agable land, settlements, rivers, lakes and ponds, ...)
2	Geology, soil
2	Water protection sites
3	Flooding-region (HQ10, HQ100)
1	List of endangered species and habitat types

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needed data

E.C.O.

Priority	Cultural assessts
2	Castels, historic buildings
2	landscape parks
	Infrastructure
1	Roadsystem, Railways
3	Powerlines, pipelines
2	Hiking, riding, biking trails
2	Touristik attactions (Monuments, Museum ...)
	Legislation and regulations
1	Relevant laws and directive (needed to implement the zonation into national legislation)
1	Existing regulations and restrictions for land use

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Metadata information

E.C.O.

- Name of data source sampledata.shp
- Scale of spatial base data 1:10.000
- description vegetation map of flood-plains along Dyje and Morava, prepared in the INTERREG-Project ABC in 2006-2008
- covered area all flooded areas (HQ100) in the BR
- source: Mr. Musterman, Ministry of sustainable development. musterman@ministry.cz, +420519510111

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Next steps

E.C.O.

- Collection of data sources by LMBR
- Preparation of the next workshop by E.C.O.
 - Second internal workshop covering the following topics:
 - Methodological concept of the zonation process
 - Definitions of the working-steps and workflow (including timeframe, responsibility and needed resources)
 - Definition of the technical standards (spatial scale, coordinate systems, data formats)
 - location: BP Wienerwald
 - date: 14. 4 + 15.4 (15.4 + 16.4?)
 - Means of travel: private car/ mini-bus/ train?
 - Accommodation: ?
 - Fist day: 10:00-18:00, Second day: 9:00-15:00

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Time schedule

Tasks	2009	2010						
	12	1	2	3	4	5	6	7
Development of planning handbook								
Implementation of the steering group	■							
First internal workshop			■					
Data collection, dissemination of results to all project partners			■	■	■			
Second internal workshop					■			
Compilation of results into the draft planning handbook					■	■		
Dissemination of the draft to all project partners						■	■	
Third workshop							■	■
final report								■

E. C. O.

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Milestones

E. C. O.

- First internal workshop (actual zonation, stakeholders, available data)
 - Location: Lower Morava
 - Participants: steering group, external experts, stakeholder?
 - Date: Tue. 23. February 2010
- Second internal workshop (methodical concept, process, work steps)
 - Location: Wienerwald
 - Participants: steering group, external experts, stakeholder?
 - Date: 14.-15. April 2010
- Third workshop (Discussion on the draft planning handbook)
 - Location: Lower Morava
 - Participants: steering group, external experts, stakeholder?
 - Date: 15. June 2010

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E. C. O.

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Thank you for attention!

Institut für Ökologie
 Kinoplatz 6, A-9020 Klagenfurt
 www.e-c-o.at

1_3 Minutes Second internal Workshop 14.&15.4.2010

Transboundary information exchange for revision and functional improvement of zonation of the Lower Morava Biosphere Reserve (Czech Republic)
WS2: Second internal Workshop 14.&15.4.2010

<i>Minutes number.</i>	2
<i>location</i>	Purkersdorf, Wienerwald, AT
<i>date and time</i>	14.4.2010 10:30-22:00, 15.4.2010 8:30-15:00
<i>participants</i>	Petr Cupa, Jan Vybiral, Karel Zlatuska , Libor Opluštil, Jiri Stonawski, Christian Diry, Hanns Kirchmeir
<i>type of meeting</i>	presentation, excursion, workshop
<i>objective</i>	Presentation of the situation of BR Wienerwald, problem analysis and objectives of the resonation of LMBR

Agenda	14.4.2010
	<ul style="list-style-type: none"> ■ 10:30-10:45: Welcome by the BR Wienerwald Team ■ 10:45-11:15: Introduction into the BPWW ■ 11:15-12:15: Presentation of the main natural heritage and Zonation of BPWW ■ 12:15-13:00: Lunch break ■ 13:00-15:00: Presentation of BPWW-activities and projects in different zones ■ 15:00-19:00: Excursion to different zones in BPWW ■ 19:00-22:00: Dinner and discussion at a BPWW-partner
	15.4.2010
	<ul style="list-style-type: none"> ■ 8:30-9:00: Where do we start? presentation of the “important things

- 9:00-9:30: The Logical Framework Approach – how to use it
- 9:30-11:00: Why do we adopt zonation? Problem analysis
- 11:00-12:00: What we are heading for? Analysis of objectives
- 12:00- 13:00: Lunch (change to ÖBF-Headquarter
- 13:00-14:30: How we will do it! Preparing of the LogFrame
- 14:30-15:00: Open tasks, next steps, feedback
- 15:00: Finish

14.4.

Content and results

- Presentation of the actual situation of BR Wienerwald (zonation, organisation, activities related to different zones) by Christian Diry
- Excursion to core zone, buffer zone and transition zone and discussion of actual activities of the BR management and their partners in the field.
- Discussion of the impressions of the first day and their relevance for LMBR

15.4.

- Analysis of the main heritages of LMBR
- Development and discussion of a “problem tree” based on the actual zonation in LMBR
- Development of solutions and objectives for the re-zonation project
- Transformation of the objectives to outputs and activities of the future project as basis of a Logical Framework

To do's

- Critical revision of problem tree, objectives and outputs (by LMBR)
- Development of indicators and means of evaluation (by LMBR)
- Development of a draft of the work-plan (Hanns Kirchmeir)
- Organisation of the next meeting in Lednice by Hanns Kirchmeir and Petr Cupa
- Further development of the stakeholder analysis (separation of large groups, analysis why so many groups are indifferent)
- dissemination of minutes

Annex:

6. Presentations of BR Wienerwald
7. List of important heritage of LMBR
8. Problem tree
9. Analysis of Objectives
10. Log frame
11. Guideline for the Logical framework approach

Ausfertigung

Hanns Kirchmeir 19.4.2010
E.C.O. Institut für Ökologie
Kinoplatz 6, 9020 Klagenfurt
kirchmeir@e-c-o.at
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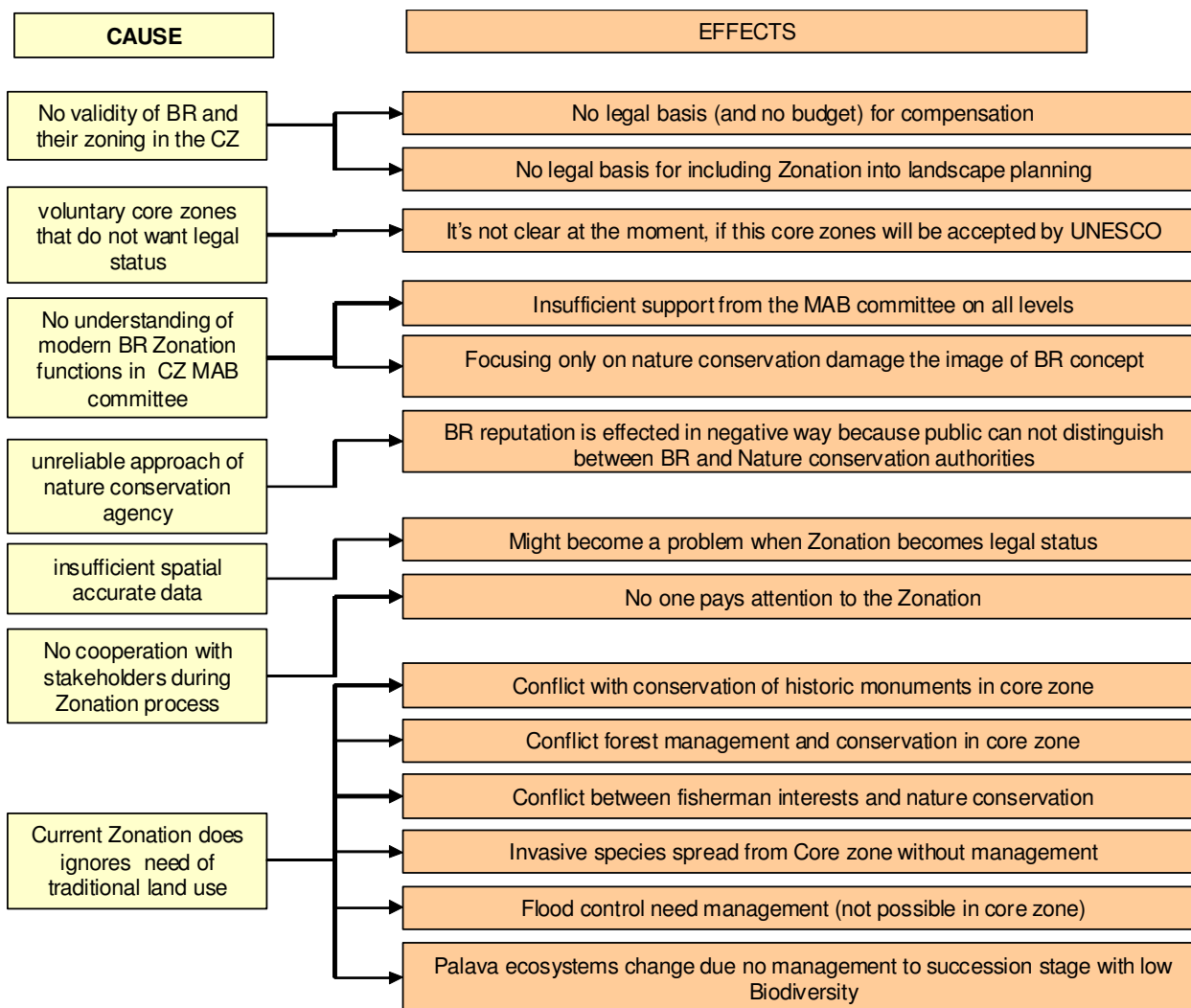
1_3_1 Presentation of BRWW

See attached pdf: Zomo_bpww_presentation_100414.pdf

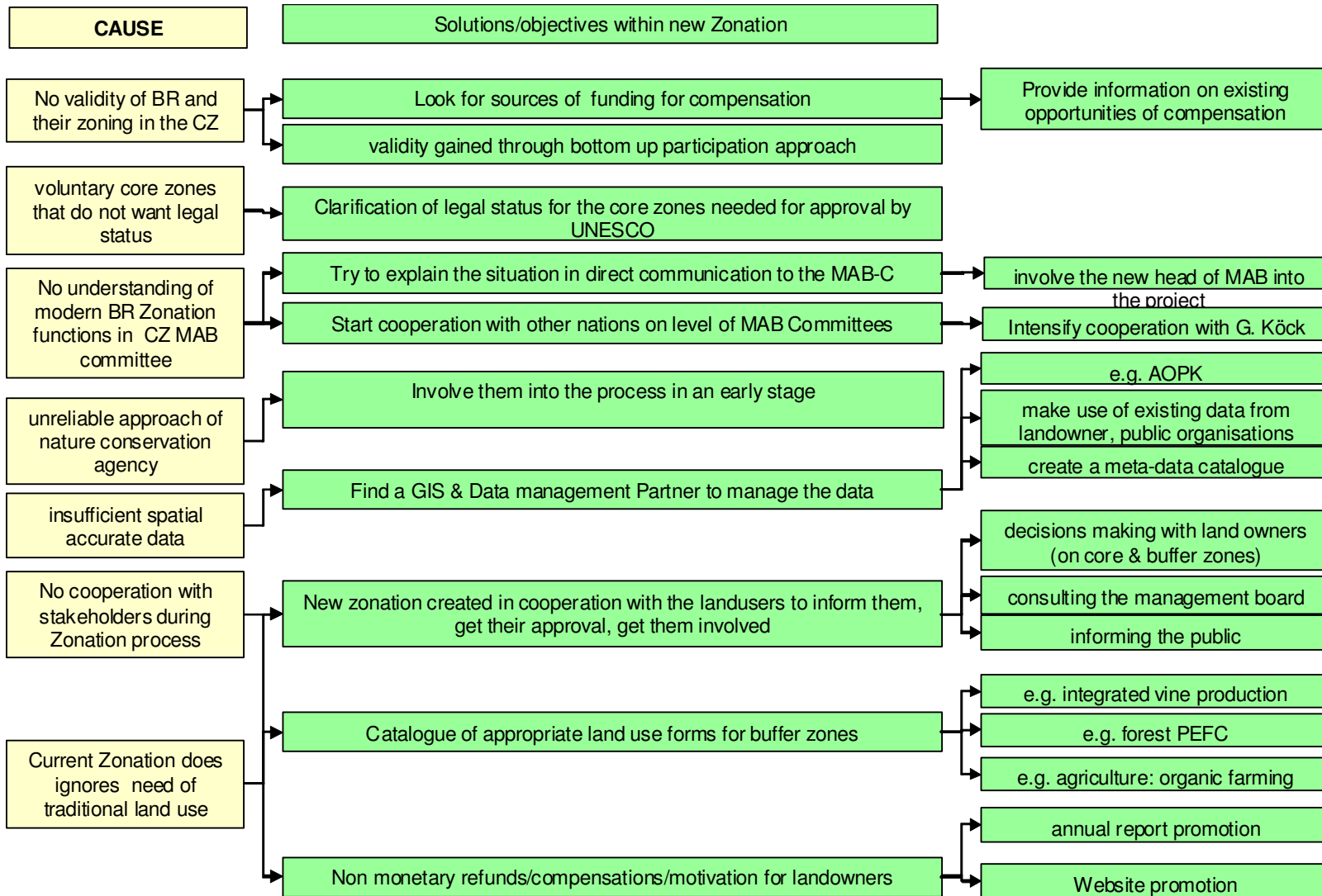
1_3_2 List of important heritage of LMBR

- Wine production (large areas of organic wine production buffer zone)
- Floodplains including forests and meadows (forestry obeying of sustainable forestry for 200 years)
- Cultural heritage (world heritage (castles, gardens, landscape-parks) including traditional clothing, dances, music)
- Lednice Fishponds
- Palava hills with dry meadows, lime stone (flowers, insects)
- Famous archaeological site (civilisation centre of Europe 26.000 BC)
- Water system (wetlands in forest, natural and artificial channels)
- Old history: a long history as a boarder area (protection and cooperation)

1_3_3 *Problem tree*



1_3_4 Analysis of objectives



1_3_5 Draft of Logical Framework

Activity Description	Indicators	Means of Verification	Assumptions / risk
Goal: Proper function of the BR			
Purpose: New Zonation fulfilling the Seville strategy			
Outputs:			
Rise of public awareness of the BR objectives and philosophy (Info folder on modern BR-concept)			
Proposal for the criteria for LMBR (might be used also for others)			
Guideline for the legal status of (core) zones with informal consultation of UNESCO-expert			No agreement on the proposal by the MAB-C ->
Delineations of zones approved by the landowner and written memorandum of understanding with the land owner			
Catalogue of appropriate land use forms for buffer zones approved by landowners			
List sources of funding for compensation and other benefits for landowner donating areas to buffer/core zone			Risk, that the funding sources are not available. Negative experience of landowner could be contra productive to the process
Informed nature conservation authorities about the BR-concept and philosophy (and try to convince them to cooperate)			
List of hints of best practices in transition zone			
Metadata catalogue of partners and their data			
Memorandum of understanding as a result of cooperation with other nations on level of MAB Committees			

1_4 Minutes of the Third internal Workshop 22.&23.6.2010

Transboundary information exchange for revision and functional improvement of zonation of the Lower Morava Biosphere Reserve (Czech Republic)
WS3: Third internal Workshop 22.&23.6.2010

<i>Minutes number.</i>	3
<i>location</i>	Bulhary, CZ
<i>date and time</i>	22.6.2010 14:00-21:00, 23.6.2010 8:30-15:00
<i>participants</i>	Petr Cupa, Jan Vybíral, Stanislav Koukal, Libor Opluštil, Jiri Stonawski, Christian Diry, Hanns Kirchmeir
<i>type of meeting</i>	presentation, excursion, workshop
<i>objective</i>	Overview on the natural and cultural heritage in LMBR, preparation of the work steps, estimation of needed resources for implementation
Agenda	<p>22.6.2010</p> <ul style="list-style-type: none"> ■ 14:00-14:15: Welcome by the LMBR, Agenda of the meeting ■ 14:15-15:00: Presentation of the Log frame ■ 15:00-16:00: Discussion with Günther Köck (Vice Chair of the MAB Programme) on the implementation phase ■ 16:00-19:00: Excursion to natural and cultural heritage, discussion on suitability of zones ■ 19:00-21:00: Dinner and discussion <p>23.6.2010</p> <ul style="list-style-type: none"> ■ 8:30-10:00: Presentation and discussion of the draft of work plan (activities) ■ 10:00-11:00: Definition of mile-stones ■ 11:00-12:30: Estimation of needed human resources (

- 12:30-13:30: Lunch break
- 13:30- 15:00: Estimation of needed financial resources and possible founding
- 15:00-15:30: Open tasks, next steps, feedback
- 15:30: Finish

*Content
and
results* 22.6.2010

- The meeting was opened by a short presentation on the agenda and a discussion with the Vice Chair of the MAB Programme and representing the financing authority, the Academy of Science Austria, Dr. Günther Köck.
- Open questions on the future of LMBR and the implementation of the Zonation-Project have been discussed.
- Excursions to relevant sites within the LMBR:



Floodplain forests



Structures of the historical landscape gardens



System of historical fish ponds



Limestone cliffs with dry meadows and dry pastures.

23.6.2010:

- Presentation and discussion of the draft of work steps
- Estimation of needed resources
- List of milestones

The results of the discussion are described in the draft report – so they are skipped here.

- To do's*
- Planing Handbook
 - Preparation of the draft of the planning-handbook by E.C.O. (10.7.2010)
 - This will be the interim-report for second invoice
 - Modification and revision by LMBR (10.7. – 31.7.)
 - Final revision by WBR (1.8.-15.8)
 - E.C.O. prepares the final version of the planning handbook (31.8.2010)
 - Preparation for implementation
 - Check of founding sources
 - Check of available human resources and partners
 -

Annex: 12. Slides of presentation

Prepared by

Hanns Kirchmeir 19.4.2010
E.C.O. Institut für Ökologie
Kinoplatz 6, 9020 Klagenfurt
kirchmeir@e-c-o.at
0463/504144-12

1_4_1 Annex

Trans-boundary information exchange for revision and functional improvement of Zonation in the Lower Morava Biosphere Reserve (Czech Republic)

Workshop on work plan & resources



Hanns Kirchmeir
22. + 23. 6.2010
Bulhary

Agenda first day

E. C. O.

- 14:00 Welcome by the LMBR, Agenda of the meeting
- 14:15-15:00 Presentation of the Log frame
- 15:00-16:00 Discussion with Günther Köck
- 16:00-19:00 Excursion to natural and cultural heritage
- 19:00-21:00 Dinner and discussion

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Agenda second day

E. C. O.

- 08:30-10:00 Presentation and discussion of the draft of work plan
- 10:00-11:00 Definition of mile-stones
- 11:00-12:30 Estimation of needed human resources
- 12:30-13:30 Lunch break
- 13:30-15:00 Estimation of needed financial resources and possible funding
- 15:00-15:30 Open tasks, next steps, feedback
- 15:30 Conclusion

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Review on last results

E C O

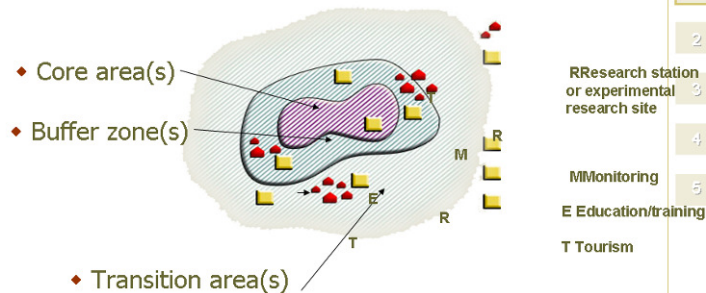
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Biosphere Reserves - How are they organized?

E C O

These functions are associated through zonation system including:



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This schema can be adapted to various ecological, socio-cultural and legal contexts

Stakeholder analysis

E C O

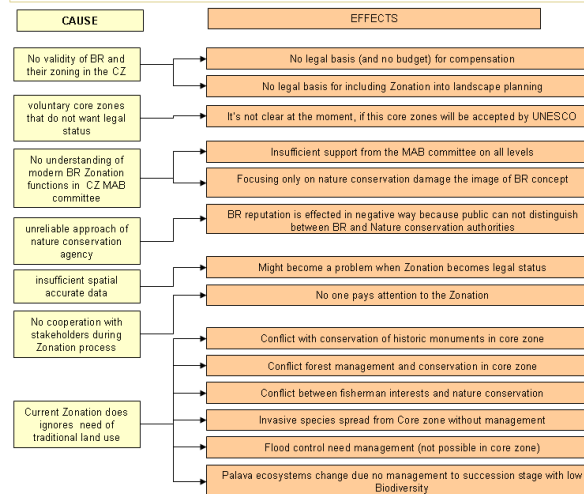


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Problem tree

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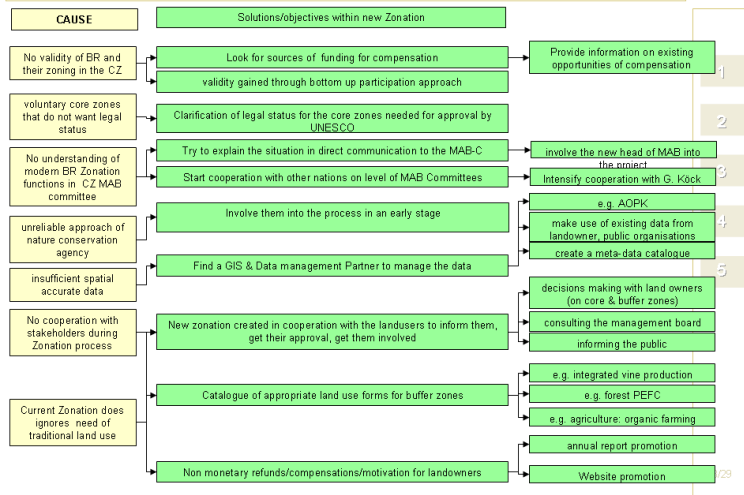


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Analysis of objectives

E.C.O.



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The Logical Framework Approach

Assumptions for the re-zonation of the Dolni Morava BR

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- Zonation should meet the MAB Sevilla strategy requirements
- Zonation should regard ecological, social and economic objectives
- Stakeholders should be integrated into the process

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Log Frame

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Description	Indicators	Means of Verification	Assumptions
Overall Goal: Proper function of the BR			
Purpose or Outcome: New Zonation fulfilling the Sevilla strategy (process as model for other BR)	Full functional zoning according to the UNESCO MAB guidelines	Approval by the MAB-Committee in Paris	
Component Objectives or Intermediate Results:			
1. Clear the objectives and the legal framework on national and international level (UNESCO)	Written documents with definition of the legal framework	Evaluation of the result by project steering committee	The national committee is willing to discuss and cooperate
2. Successful participation of local stakeholders	All relevant stakeholders integrated into the development process	Lists of participants of workshops, memorandums and agreements with stakeholders	Stakeholder are willing to cooperate and take part in meetings and workshops
3. Technical implementation of the zonation	Map in scale of 1:10,000 with delineation of zones	Evaluation of the result by project steering committee	Data on land use and natural heritage as well as administrative data is available

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1. Clear the objectives and the legal framework on national and international level (UNESCO)

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Description	Indicators	Means of Verification	Assumptions
1.1. Memorandum of understanding as a result of cooperation with other nations on level of MAB Committees	Written memorandum signed by national committees of CZ and at least on other country	Evaluation by steering committee	National committees of CZ and other countries can be motivated to take part in the meetings
1.2. Good cooperation with the nature conservation authorities	Three workshops to inform the nature conservation authorities about the BR-concept and philosophy	Evaluation by steering committee	Nature conservation authorities are willing and interested in cooperation
1.3. Guideline for the legal status of (core) zones with informal consultation of UNESCO-expert	Written agreement of the needed legal status of the zonation for LMBR	Evaluation by steering committee	UNESCO is willing to give informal advice
1.4. Proposal for the criteria for LMBR (might be used also for others)	Written list of criteria for LMBR as a basis for the whole zonation process. Definition of the minimum sizes of the zones, main restrictions and legal status.	Evaluation by steering committee	

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2. Participation process

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Description	Indicators	Means of Verification	Assumptions
2.1. Info folder on modern BR-concept and public presentations to rise of public awareness of the BR objectives and philosophy	3000 info folders (A4) and 5 meetings with lokal stakeholders	Evaluation by steering committee	
2.2. Catalogue of appropriate land use forms and regulations for all zones approved by stakeholders (list of hints of best practices in transition zone; criteria-catalogue for different land use-forms in buffer zones; regulations and restrictions for core zones)	Printed and online published catalogue of appropriate land use or restrictions for all different zones	Evaluation by steering committee	
2.3. List of sources of funding for compensation and other (non monetary) benefits for landowner donating areas to buffer/core zone	Printed and online published list of founding	Evaluation by steering committee	There will be sources of founding for a long term perspective

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3. Technical implementation of the zonation

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Description	Indicators	Means of Verification	Assumptions
3.1. Metadata catalogue of partners and their data	Digital metadata catalogue with information on all relevant digital and analogue data with information on sources and quality as well as possible partners that can provide GIS and Database capacity.	Evaluation by steering committee	
3.2. Suitability map for each zone (core, buffer, transition zone)	Three maps in the scale of 1:25 000 showing the suitability of landscapes for the three different types of zones	Evaluation by steering committee	GIS resources and data is available
3.3. Map of each zone with written memorandum of understanding of the land owner	Delineation of zones approved by the landowner (1:10 000 or larger scale) and written memorandum of understanding with the land owner	Evaluation by steering committee	Stakeholders can be attracted to give land for core or buffer zone

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Definition of Working steps

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Workplan: module 1 & 2

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Module 1: Overall management	
A-1-1	Implementation of a project-steering committee
A-1-2	Coordination of work packages and partners
A-1-3	Controlling of work process, decision making
A-1-4	Financial administration
Module 2: Legal framework	
A-2-1	Literature and data search
A-2-2	Preparation of the scientific draft on BR
A-2-3	National Workshop with nature conservation authorities
A-2-4	International Workshop MAB-committees
A-2-5	Excursion with national committee

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Workplan: module 4

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Module 4: Technical implementation	
A-4-1	Research on (GIS-) Data
A-4-2	Development of a GIS-System
A-4-3	Analysis of suitability for core- and buffer zone
A-4-4	Workshop steering group
A-4-5	Generation of draft map of zonation
A-4-6	Delineation of core- and buffer zones in the field
A-4-7	Signing of memorandum of understanding
A-4-8	Generation of map of zonation
A-4-9	Preparation of the new MAB-proposal

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Workplan: module 3

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Module 3: Participation process	
A-3-1	Preparation of the info folder
A-3-2	1st local WS: What is a BR?
A-3-3	Excursion with local stakeholders
A-3-4	Draft for the catalogue of appropriate land use forms
A-3-5	Catalogue for funding and compensation
A-3-6	2nd Local Workshop: How to protect heritage?
A-3-7	3rd Local Workshop: Draft map of zonation
A-3-8	Local event: Presenting the new zonation

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Module 1: Overall management

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- Implementation of a project-steering committee
 - A project steering committee should be implemented to control the process in the form of supervision. The steering committee should not exceed more than 7 persons. It is recommended to have key players from science, nature conservation, regional development and administration within the steering committee. The steering committee should meet 3-4 times during the process and will support the project manager in his decisions.
- Coordination of work packages and partners
 - For each of the three modules a responsible coordinator should be designated. The project manager has to coordinate between them and has to provide an information platform, so every involved person has access to the relevant data and information's. Dates for common events are coordinated as well.
- Controlling of work process, decision making
 - The project manager has to ensure the quality and time schedule of all outputs of the three modules. He or she is responsible for final decisions. In difficult cases, the project manager should back up the decision with the steering committee.
- Financial administration
 - The financial administration including accounting and contracting of work packages to external partners and experts. A payment schedule has to be worked out and the calls for tenders and the contract procedure have to be prepared. It is important to have this procedures also be checked from the legal point of view.

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Module 1: Overall management

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- **A-1-1 Implementation of a project-steering committee**
 - A project steering committee should control the process
 - The steering committee should not exceed more than 7 persons.
 - Key players from science, nature conservation, regional development and administration
 - Meets 3-4 times during the process
 - Support the project manager in his decisions
- **A-1-2 Coordination of work packages and partners**
 - Designate a coordinator for each
 - Provide an information platform
 - Dates for common events
- **A-1-3 Controlling of work process, decision making**
 - Ensure the quality and time schedule of all outputs of the three modules.
 - Responsible for final decisions
 - back up by steering committee.
- **A-1-4 Financial administration**
 - Accounting and contracting of work packages
 - Payment schedule
 - Calls for tenders and the contract procedure

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Module 2: Legal framework

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- **A-2-1 Literature and data search**
 - actual national legal status of Protected Areas
 - administrative units and relevant persons
- **A-2-2 Preparation of the scientific draft on BR functions and objectives**
 - national regulations compared with the UNESCO/MAB regulations
 - break down UNESCO-regulations to the specific situation of the LMBR.
 - proposal for the criteria for LMBR
 - target group: national committee and nature conservation authorities.
- **A-2-3 National Workshop with relevant players of nature conservation authorities**
 - Seville strategy, purpose and regulations of zoning, legal framework
 - steering committee, members of the national MAB committee and conservation authorities
- **A-2-4 International Workshop with CZ, AT, DE MAB-committee members**
 - MAB national committees CZ, AT, DE
 - present successful/unsuccessful examples, regulations or criteria
- **A-2-5 Excursion with national committee and nature conservation authorities**
 - members of the national committee and key persons from nature conservation authorities
 - biosphere reserves in other countries
 - to find new solutions inspired by new experiences
 - separately to the excursion with local stakeholders

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Module 3: Participation process 1

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- **A-3-1 Preparation of the info folder**
 - definitions and regulations of biosphere reserves
 - content and the language oriented to the local stakeholder groups
 - survey on existing info-materials in other biosphere reserves can help
- **A-3-2 1st local WS: What is a BR?**
 - info-materials presented to the regional stakeholders
 - give an idea of the modern biosphere reserve concept & the opportunities for the region
 - inform on the objectives of the zonation project
 - the time schedule
 - how they will be involved
 - Present natural and cultural heritage to make aware of the (international) responsibility
- **A-3-3 Excursion with local stakeholders**
 - how biosphere reserves are implemented in other regions
 - discuss with stakeholders in other reserves
 - Reflect the situations of other reserves in a discussion during the excursion:
 - What can we learn from this biosphere reserve?
 - How can we adopt our process in LMBR to optimise the results?
- **A-3-4 Draft for the catalogue of appropriate land use forms and regulations for all zones**
 - landowners are afraid, that the protected areas will lead to limitations
 - create a catalogue of the appropriate land use forms and regulations for all zones
 - based on the national legal framework and the definitions of the zoning by the UNESCO
 - Distinguish between knock out and "nice to have" criteria

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Module 3: Participation process 2

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- **A-3-5 Catalogue for funding and compensation**
 - BR-zoning might conflict with economical interests
 - catalogue should cover possibilities of financial reimbursement by national and international (EU) founding programs.
 - also other means of compensation should be discussed
 - providing access to information or marketing to the land owner/user
 - give awards for ecological land use
 - honor voluntary activities and others)
- **A-3-6 2nd Local Workshop: Natural & Cultural heritage: How to protect them?**
 - different types of zones, the purpose of the zones
 - draft of the limitations and regulations.
 - point out the options of funding and compensations
 - Make clear, if the compensation is granted or not. What will happen, if sources of founding will change or stop?
- **A-3-7 3rd Local Workshop: Discussion of draft map of zonation**
 - present and discuss the draft of the zonation map
 - how it was generated?
 - discuss the memorandum of understanding
 - point out the next steps
- **A-3-8 Local event: Presenting the new zonation**
 - everybody in the region should be aware of
 - what objectives have been reached?
 - what shall happen in future?
 - invite national and international guest

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Module 4: Technical implementation 1

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- A-4-1 Research on (GIS-) Data
 - extend & update the metadata catalogue
 - data on administrative and topographic borders, natural and cultural assets, land use and infrastructure and information on economic and social development
- A-4-2 Development of a GIS-System
 - Integrate all available data into one projection system
- A-4-3 Analysis of suitability for Core-, Buffer- and Transition Zone
 - the actual state of the natural and cultural heritage,
 - the actual state of protection and the actual land use
 - analyse suitable of each land unit is for core-, buffer- or transition zone

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**Time schedule
Resources
Milestones**

Module 4: Technical implementation 2

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- A-4-4 Workshop steering group
 - discuss methodology and results with steering committee
 - steering committee and external experts set the weighting of the different layers
- A-4-5 Generation of draft map of zonation
 - if needed, adopt the methodology and calculate the final draft map of zonation
 - discuss and prove internally within the project team and the steering committee
 - present the map within the third local workshop in module 3
- A-4-6 Delineation of core- and buffer zones in the field
 - with each land owner in the core and buffer zone, agree on the borders
 - should be done in the field (1:5.000 , orthofotos, parcel-networks, zones)
- A-4-7 Signing of memorandum of understanding with all landowners
 - a memorandum for each landowner will be prepared with:
 - the plot of land
 - the amount of the core- and buffer zones
 - the agreed regulations and limitations
 - these memorandums have to be signed by the land owners
- A-4-8 Generation of map of zonation
 - a final map of zonation can be generated and distributed
 - If needed adopt the national protected area system
- A-4-9 Preparation of the proposal for the adoption of zonation of BR
 - a proposal for adoption might be sent to Prag/Paris

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We do it in the excel sheet!

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Open tasks

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- Planing Handbook
 - Preparation of the draft of the planning-handbook by E.C.O. (10.7.2010)
 - This will be the interim-report for second invoice
 - Modification and revision by LMBR (10.7. – 31.7.)
 - Final revision by WBR (1.8.-15.8)
 - E.C.O. prepares the final version of the planning handbook (31.8.2010)
- Preparation for implementation
 - Check of founding sources
 - Check of available human resources and partners

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Thank you for attention!

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