



Bundesministerium
für Bildung
und Forschung



Next steps concerning joint cooperation



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Kickoff Phase 4 Workshop





The Group





Topics

- Brownscape Design
- Trans-boundary/Regional
- Governance
- Planning/Transportation/Infrastructure
- Data Management and Communication
- Interim Use
- Financial/Shadow Effects



Brownscape Design

- Integrates cleanup with landscape design
- Integrates multiple stakeholders at different points during the process
- A new interface with stakeholders: Design at a site with challenges: financial, community/stakeholders, environmental, long timeline
- Involves student exchanges
- Projects involve ecological restoration, recreational areas, infrastructure, landscape programming, new landscape uses





Brownscape Design

- If possible use comparable sites for the cooperation
- Involves sites with social significance - investigate historical and regional significance
- Communities in transition
- Keeping all alternatives available as long as possible – intermediate use stages are important
- Sites typically have a closed or closing industrial facility
- Includes assessment of economic realities of the context



Brownscape Design Topic and Approach

- Topic: Landscape Design Process
 - Purpose: Evaluate, document, and compare U.S. and German processes and outcomes
- Conceptual Approach: Conduct German landscape design process with German and U.S. student participation and U.S. landscape design process with U.S and German participation
 - See Process Flowchart Workshops
 - Workshop at midpoint (time TBD)
 - Workshop at completion (time TBD)



Trans-boundary/Regional

- Topic 1: Regional Governance Structures / Land-Management
 - Purpose: To access, understand and develop regional management practices in Germany and the U.S.
- Approach:
 - Workshop to study strategies that work/fail in both countries and develop recommendations for improvements
 - Access/Review case studies
 - Analyze transfer opportunities between both countries



Governance

- Topic 1:
 - Purpose:
 - Sustainability Criteria for Site Assessment and Redevelopment
 - Integration of multidisciplinary group in decision making process (informal approaches)
- Approach:
- Develop a regional planning process/criteria
 - New planning and governance approaches
 - Develop flexible mechanisms for governance



Data Management and Communication

- ***Topic 1***

Purpose: To develop effective communication strategies / To learn how to effectively and efficiently communicate with various stakeholders

Approach #1: Workshop to develop a guidance document for communication/participation strategy

Approach #2: Identify existing communications tools in Smarte for transfer opportunities



Planning/Transportation/Infrastructure

Topic 1:

- **Purpose: Regional Planning Methods for Shrinking and Growing Cities**

How do we address this issue in relation to transportation?

- **Approach:**
 - Evaluating methodology for selecting innovative transportation means for shrinking and growing cities
 - Identify the problems
 - Develop solutions



Interim Use

- Topic 1: Make sites more attractive to enhance other regional development and to avoid potential future safety risks.
 - Purpose:
 - To make interim use appealing as a step towards regional sustainable development.
 - This needs a new name! Ideas: Initial Redevelopment Process, Reserve Site, **Predevelopment**, **Safety Status**
 - Issue: German approach/model needs to be translated into English for US to implement.



Interim Use II

- Approach:
 - How to classify sites as A, B, and C sites or some version of being able to prioritize and understand likely eventual schedule/outcome of sites.
 - Simulation of one model C site, then applying back to full set of sites and reported to regulators.



Financial/Shadow Effects

- Topic A:
 - Purpose:
 - Quantify an account of shadow effect as part of the planning process.
 - Clarify terminology (e.g. Shadow Effect)
 - Outside of the site itself, there can be economic effects on the region. The impacts of these effects should be considered in planning.
 - The stigma effect (mercantile gap) is often set at a rule-of-thumb level of something like 30%.
 - Randy Bell (Bell curve) assesses real estate damages.
 - Based on this quantification, identify how to use this information.



Financial/Shadow Effects II

- Topic x:
 - Purpose:
 - Tax credits and incentives.
 - A big hammer for a small nail.
 - The income tax structures are similar, but property taxes are very different. In Germany, there is very little property tax.
 - Regional tax credit.



Financial/Shadow Effects III

- Topic B:
 - Purpose:
 - Regionally effective financing tools.
 - How do you influence the entire region by funding cleverly?
 - Timing of projects.
 - » This might require a workshop or series of workshops. Perhaps including local government to see how they might react to changes in funding/projects/etc.



Financial/Shadow Effects IV

- Topic C:
 - Purpose:
 - Cities valuing of sites/projects.
 - Viable Shrinking Scenarios
 - What will the value be years down the road?
 - The accounting methodologies are different – whether or not the sites are “on the books” comes into question.





Financial/Shadow Effects V

- Topic D:
 - Purpose:
 - Reducing Cleanup Cost Uncertainty
 - Quantifying risk and remedial technology selection.
 - Within the decision making process, there are high cost variances relating to site clean-up estimates.
 - How can we decrease these uncertainties early in the process?
 - Early quantification of cleanup cost variables.
 - Perhaps a process for looking at these variables earlier with all project participants, managers, and regulators would be useful.



Financial/Shadow Effects VI

- Topic E: Life Cycle Costs including Long Term Stewardship.
 - Purpose:
 - Revenue model often used to pay for long term stewardship in US.
 - There are trusts for auditing long term stewardship.
- Topic F: Financing Opportunities of Emission Trading
 - Purpose:
 - For secondary Greenspaces
 - For other sites/projects.
 - » This could be just a one-time workshop with a white paper as output.



Next steps

- Develop workplan within 3 months
- Workshops
- Expert meetings
- Information exchange
- Passive and active research
- Integration with other global brownfields research efforts, such as CABERNET

More information

US-German Bilateral Working Group

[*www.bilateral-wg.org*](http://www.bilateral-wg.org)

SMARTe

[*smarte.org*](http://smarte.org)



REFINA

[*www.refina-info.de*](http://www.refina-info.de)

