

Station 7 Megasite Management Toolsuite (MMT) - Integrated Assessment



Optimizing Brownfield Revitalization Facing Conflicting Interests

At this station, it will be shown how different assessment perspectives (see stations 6 and 7 in this session) can be addressed in an iterative planning approach by utilizing the MMT software. These perspectives include the economical aspects of the particular re-use option (i.e. remediation costs and market value), but also sustainability indicators.

These perspectives are evaluated within the MMT and visualized for different planning options (compare Figure 1 and Figure 2) in order to facilitate finding near to optimal solutions regarding the assessment criteria under evaluation.

Furthermore an outlook on the potential of optimization algorithms and their application within the MMT framework will be presented.

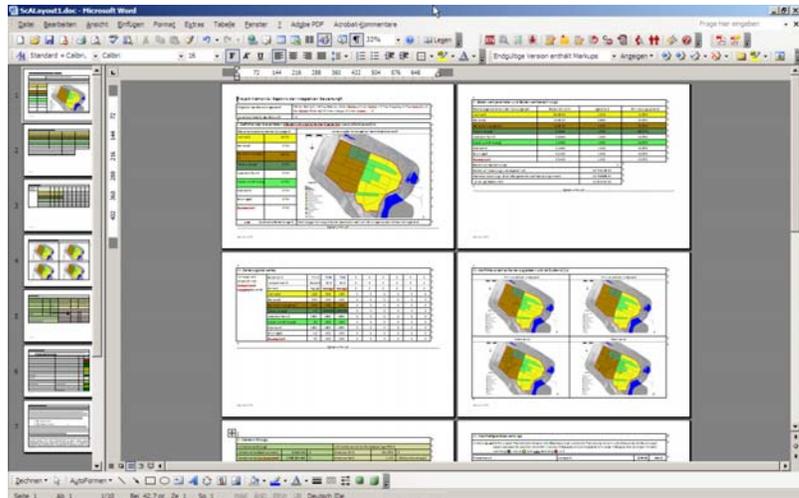


Figure 1: Assessment results of a land-vision exported to MSOffice.

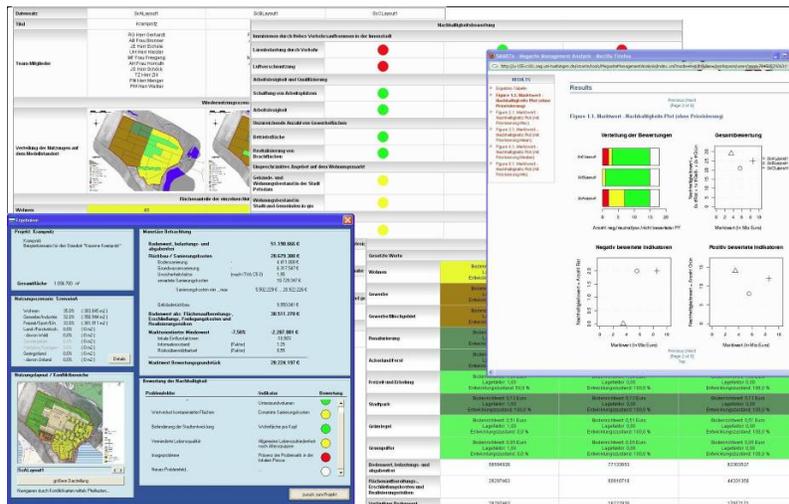


Figure 2: Results view of a scenario within MMT (lower left side) and visualization for comparative assessment of different land use visions exported from the MMT to an extended version of SMARTe.

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