

Station 4

Megasite Management Toolsuite (MMT) - A Brief Overview



Presenting an overview of the Megasite Management Toolsuite (MMT) this station will introduce attendees to the integrated assessment framework, which unites and coherently links several software modules that are presented in subsequent stations 5, 6 and 7.

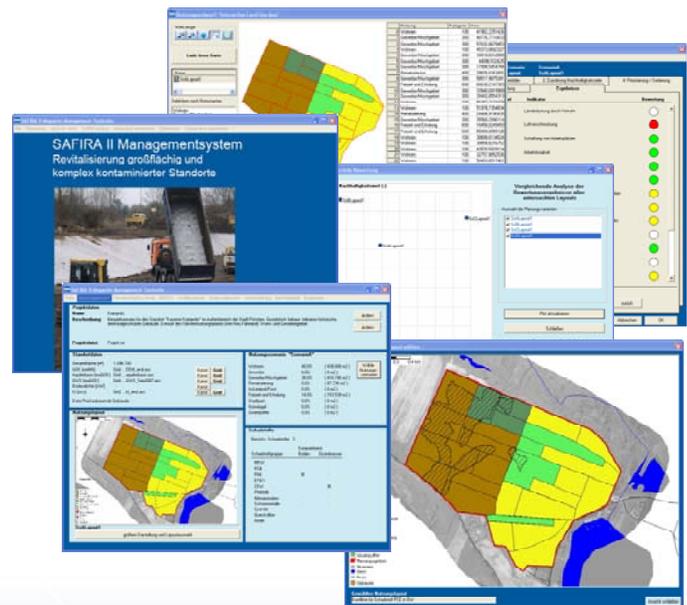
The Megasite Management Toolsuite MMT is a software tool for consultants, authorities, and investors involved in planning and assessment of revitalization options for brownfields. An impartial integrated assessment of possible alternatives for redeveloping a site shall help to design sustainable and economically attractive options in order to maximize benefits from the existing planning scope. MMT results will facilitate a common approach and agreement among all stakeholders.

The MMT unites and coherently links several software modules:

- a GIS-based data management module
- a graphical user interface providing control of input data and capabilities for analysis of results
- a planning module to create land use plans
- a module to locate and quantify conflicts of environmental targets of planned land use with existing contamination in soil and groundwater
- an integrated assessment module.

The integrated assessment of the particular revitalization options addresses three major aspects: the estimation of development costs, a market oriented economic evaluation, and the assessment of the sustainability of the land use option. Corresponding software sub modules offer

- a number of **cost models** which provide sufficient flexibility to estimate remediation and site preparation costs work at various levels of details
- a **market value assessment model** involving a new and transparent method to include perceived risks of market participants due to uncertainty in regard with consequence of existing contamination
- a **sustainability assessment model** that can be adapted to the specific local situation. The model supports users in developing a case-specific set of criteria for sustainable development to compare different land use option.



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