



The thematic scope of the Conference covers all aspects of revitalization of degraded areas. **This year the Conference will focus on protection and revitalization of surface waters and groundwater, including innovative methods, technologies and tools to support aquatic ecosystem rehabilitation.**

Site characterisation/Screening and Monitoring

- Techniques of soil-water environment monitoring and survey
- Tools for identification of main sources of groundwater contamination
- Sampling methods and pre-treatment
- Geotechnical and geohydrological investigations
- Spatial data analysis
- Integrated physical models for risk assessment
- Exposure models for risk assessment
- Pollutants - soil - microbe - plant interactions
- Bioindicators (biomarkers) of environmental status
- Fingerprinting
- Backtracking
- Integral groundwater investigation
- Characterisation of sediment processes and modelling
- Fate of pollutants in soils and sediments
- Application of numerical models

Innovative clean-up technologies

- Remediation technologies for degraded areas - in situ, ex situ
- Bioremediation and phytoremediation
- Bio-barriers
- Stabilisation, immobilisation
- Monitored natural attenuation
- Ecological risk assessment
- Green remediation technologies
- Nano-particles and emerging pollutants
- Decision support tools for remediation technology selection
- Sediment remediation technologies
- Innovative rehabilitation techniques

Natural and landscape aspects for revitalisation of degraded areas

- Biological restoration of brownfields
- Ecosystems clean up and revitalisation
- Landfills restoration
- Habitat and wetlands protection and restoration
- Revitalisation of natural and regulated rivers and river basins
- Biomass on contaminated land

Innovative management in land redevelopment – health, social and economic aspects

- Land use and consequences
- Health implications of degraded area redevelopment
- Health risk assessment
- Human biomonitoring
- Revitalisation of abandoned/depopulated areas
- Economics of brownfields regeneration
- Environmental dimensions of land management policies



- Integrated land management policies
- Effective communication and facilitation with stakeholders
- Citizen participation in land management policies

Revitalisation of degraded sites – case studies and good practices

- Best practice and case studies
 - Mining areas
 - Surface waters and groundwater
 - Brownfields
 - Landfills
 - Complex former industrial sites (mega sites)
 - Former military sites
- Site management strategies for complex sites
- Methodologies for making better decisions
- Sustainable and green remediation
- Contaminated sediments management and beneficial use

Support tools for revitalisation of degraded urban areas

- Regulation, governance and legal issues
- Recycling of land
- Decision support tools for choosing sustainable solutions
- Development plans and regeneration strategies
- Public – private partnerships
- Public awareness and education

DRAFT AGENDA

Wednesday, 2 October 2013

Conference opening ceremony
Key presentation - Prof. Dr. Ing. Piotr Maloszewski, Helmholtz Center Munich, HMGU, Niemcy
Session I **Site characterisation/Screening and Monitoring**
Conference dinner

Thursday, 3 October 2013

Session II **Innovative clean-up technologies**
Session III **Natural and landscape aspects for revitalisation of degraded areas**
Session IV **Innovative management in land redevelopment – health, social and economic**
Open-air dinner

Friday, 4 October 2013

Session V **Revitalisation of degraded sites – case studies and good practices**
Session VI **Support tools for revitalisation of degraded urban areas**
Closing ceremony
