

Sediments moving to land
and soil moving to water

Examples

Sediment to soil

- Disposal
- Enrichment of soil
- Reclaiming land
(embankment or poldering)

Soil to sediment

- Erosion of e.g. river banks
- Renaturation
e.g. flooding
e.g. restoration of salt marsh

Processes affected by transitions

- Biological activity
- Geochemistry of material
- Fine structure of material
(hydrological effectivity)
- Bioavailability of contaminants

Implications for sediment managers



- Addressing transitions
- Addressing the time scale
- Over/underestimation of risks
- Ecological values?

Poster corner on
sediments moving to land and
soil moving to water

Today: 14:00 – 14:15

Posters 1 to 6



Today: 14:00 – 14:15

Posters 1 to 6

- A. Posters “Sediments moving to land, and soil moving to water”**
1. Introductory poster: “When sediment becomes soil and soil becomes sediment...”
A report from the SedNet special workshop at Strengliner Mühle, May 2016
Susanne Heise, Hamburg University of Applied Sciences, Germany
 2. Sampling of suspended sediments flowing in a river: design and test of methodologies aimed at bulk sediment sampling for chemical analysis
Sara Ceccon, Ramboll Environ Italy
 3. Contaminant transport from soil to sediments through suspended matter in the catchment of a drinking water reservoir (Southern Poland)
Ewa Szalinska, AGH University of Science and Technology, Poland
 4. Chemical and biochemical indicators of pedogenesis in saltmarshes sediments and soils
Chiara Ferronato, University of Bologna, Italy
 5. Biostabilization of fine sediments in reservoirs – a manipulative experiment to address the hydraulic impact
Sabine U. Gerbersdorf, University Stuttgart, Germany
 6. Effect of intense short rainfall events on coastal water quality parameters from MODIS remote sensing data during the bathing season
Chiara Corbari, Politecnico di Milano, Italy