Wrap up of the special session on Sediments in a Changing Environment

Idea of SedNet to initiate 4-day workshops on the following topics

“when sediment becomes soil and soil becomes sediment … “

“Today’s importance of yesterday’s contaminants in rivers”

“sustainable sediment management in relation to climate change and safety”

Aim of the meeting yesterday:

- Raising interest in this activity
- Discussing relevant future topics
- Start discussion on knowledge gaps and
- management issues to address/focus on

13 people attending,

different backgrounds such as civil engineering, agronomy, marine and coastal engineering, biology, geochemistry etc

discussion focussing on:

„When soil becomes sediment and sediments become soil“

Starting with:

where is the difference between soil and sediment?

- water coverage?
- vegetation?
- structure / layering
- homo/heterogeneity?
- ???

Different perceptions
Different definitions
Different classifications

We gathered information, opinons, views

- on management issues
- on topics to address
  - Sediment quantity (budget, increasing fines)
  - climate change (rising water levels, rising temperature, UV-radiation)
  - Contamination / bioavailability
  - Fate of natural organic material
  - Minerology / geochemistry
  - Legislation
  - ….

We discussed a way forward

- Focussing on a small number of management issues and tackling the processes, that we should know about and currently don‘t.

E.g.:

- Sediment being brought onto soil for quality improvement
- Sediment brought onto land for disposal
- Sediment transported to land through floodings (→ agricultural impact)
- Soil being eroded from river banks during flood events

→ we still need to decide the boundaries of the workshop

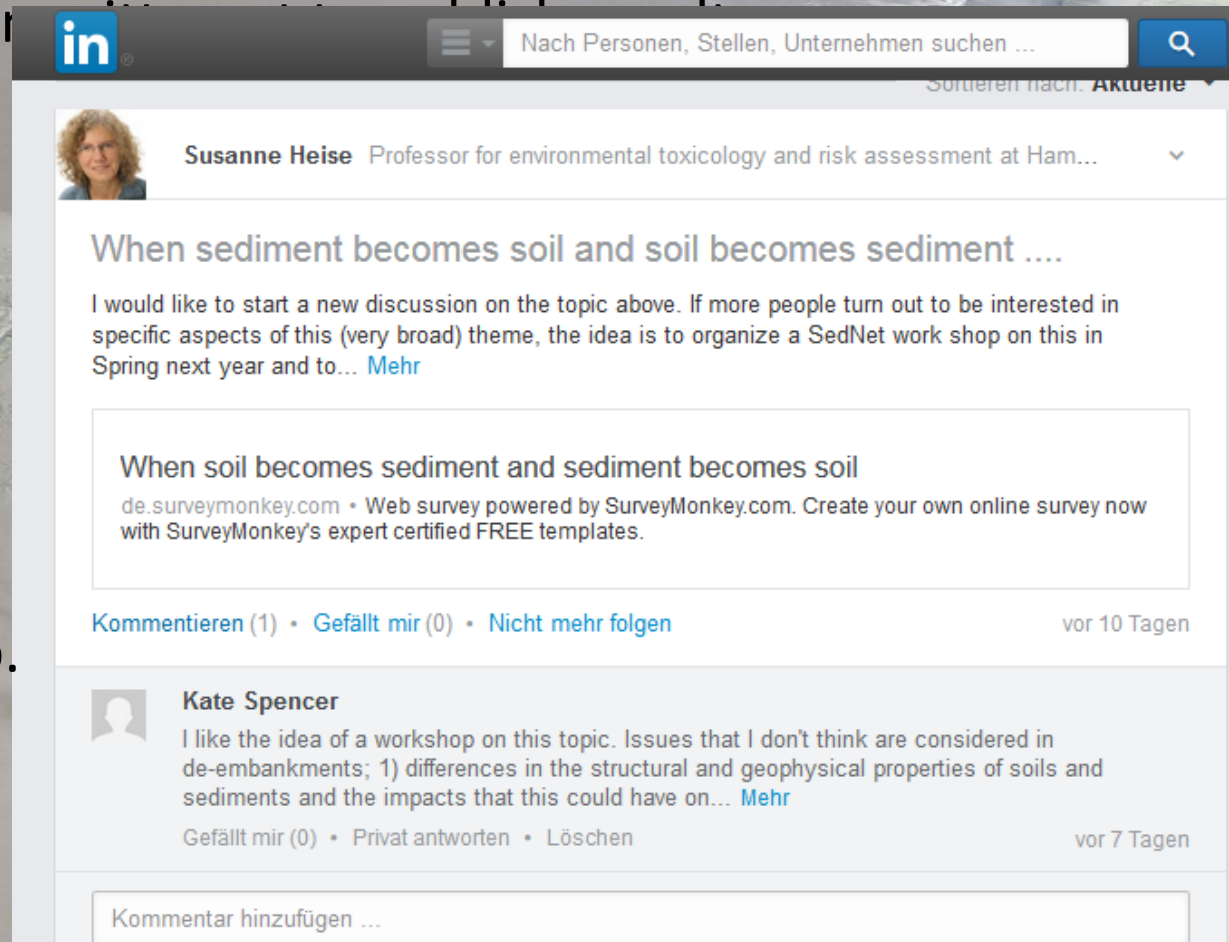
Next steps

- Collection of current definitions on soil and sediment
- Compiling a literature database and making this available
- Communication via Linked-in discussion group

Different ways for you to participate

- ❑ General interest – listening in during special sessions in SedNet conferences
- ❑ Following activities and contributing to the linked in discussion group
- ❑ Forming a network
- ❑ Participating in the workshops and co
- ❑ E.g. application of a project proposal

If you are interested:
Look for the discussion group on LindedIn,
send me an email and I will accept you to the group.



SedNet pushing the topic of S.i.c.e

Intention of initiating the workshops:

- Compiling the „state of the art“
- Collection of relevant questions
- Identification of knowledge gaps
- Draft/suggestions on how to proceed in the coming future

⇨ Review paper
Potentially: Application for a joined project??
Next workshops?

… and that‘s it.

Thanks to all participants