

An aerial photograph of a coastal wetland. A winding waterway, possibly a tidal creek, flows from the top right towards the bottom right. The surrounding land is a mix of light brown and greyish mudflats, with some areas showing a greenish tint, likely due to algae or vegetation. The water in the creek is a pale, milky color. The overall scene depicts a dynamic and changing sedimentary environment.

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

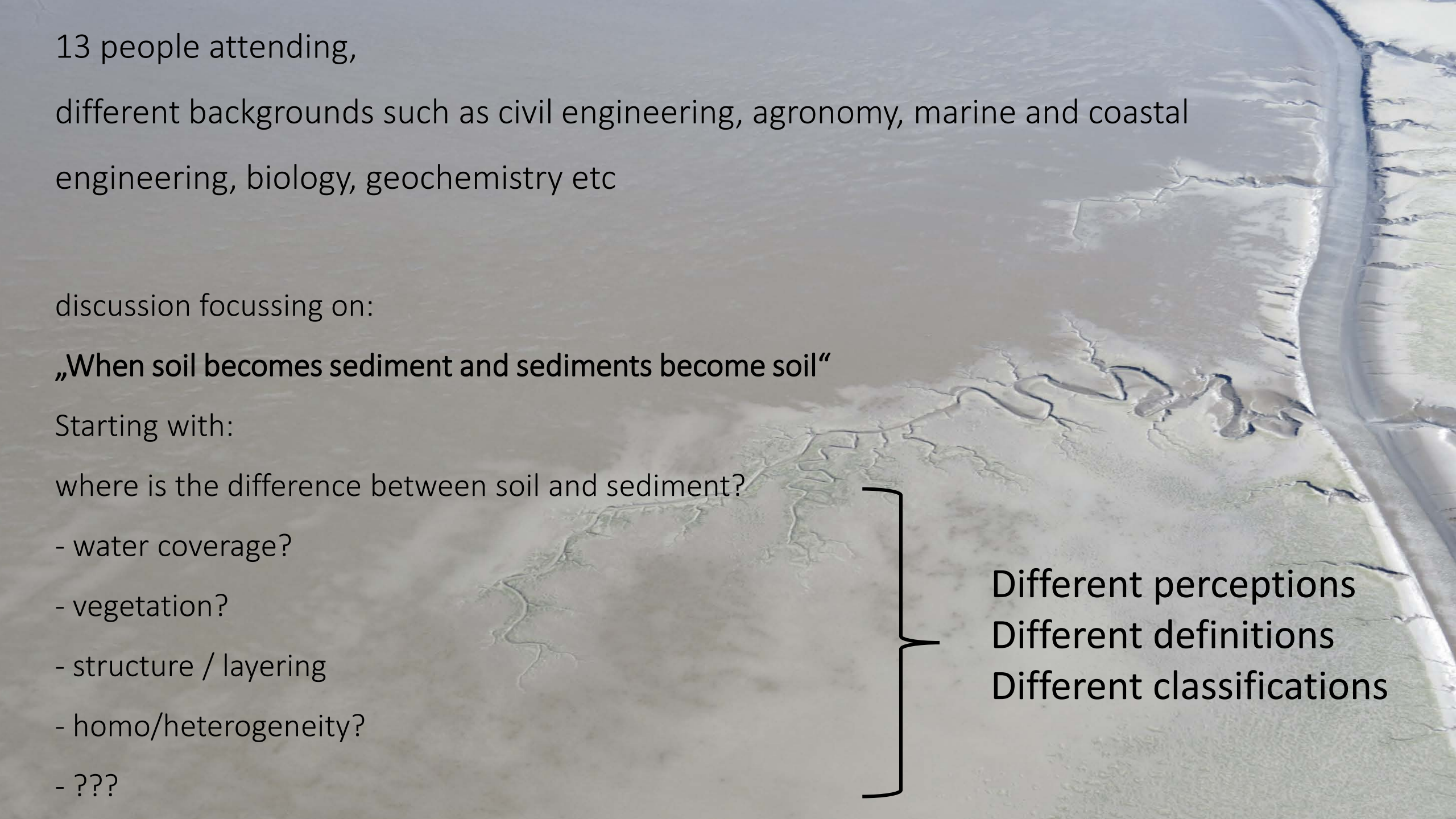
discussion focussing on:

**„When soil becomes sediment and sediments become soil“**

Starting with:

where is the difference between soil and sediment?

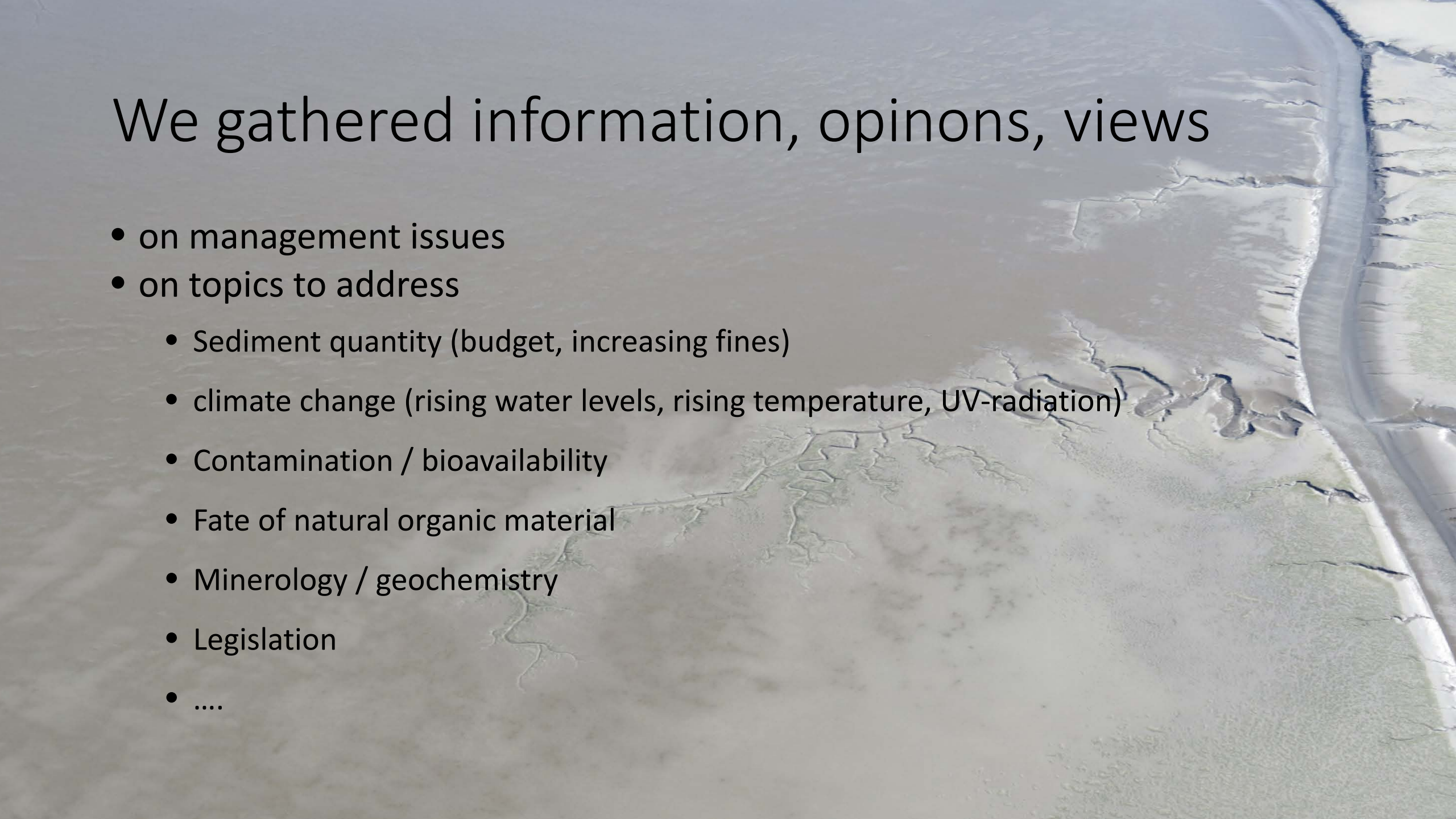
- water coverage?
- vegetation?
- structure / layering
- homo/heterogeneity?
- ???



Different perceptions  
Different definitions  
Different classifications

# We gathered information, opinions, 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.

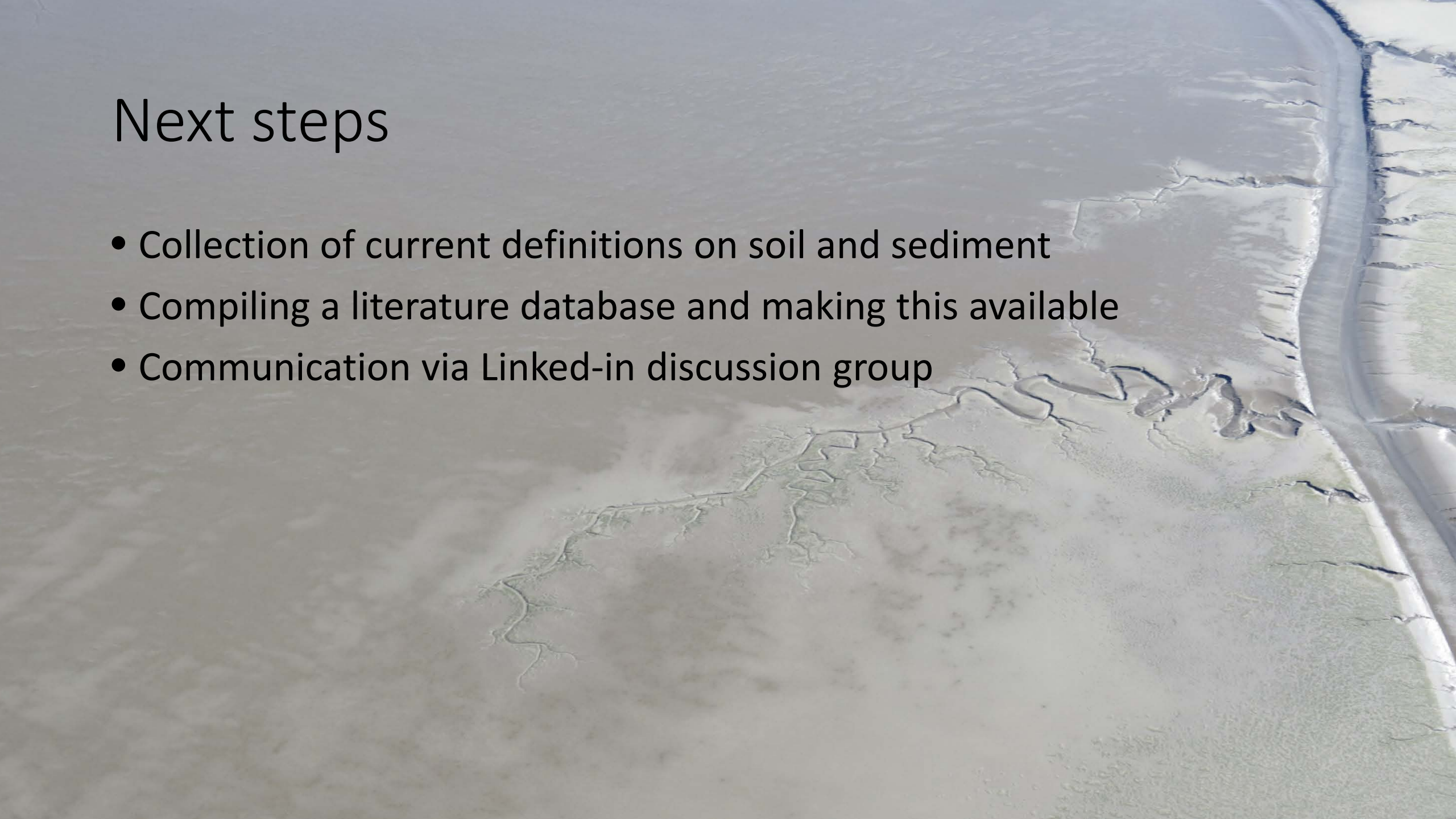
E.g.:

- 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

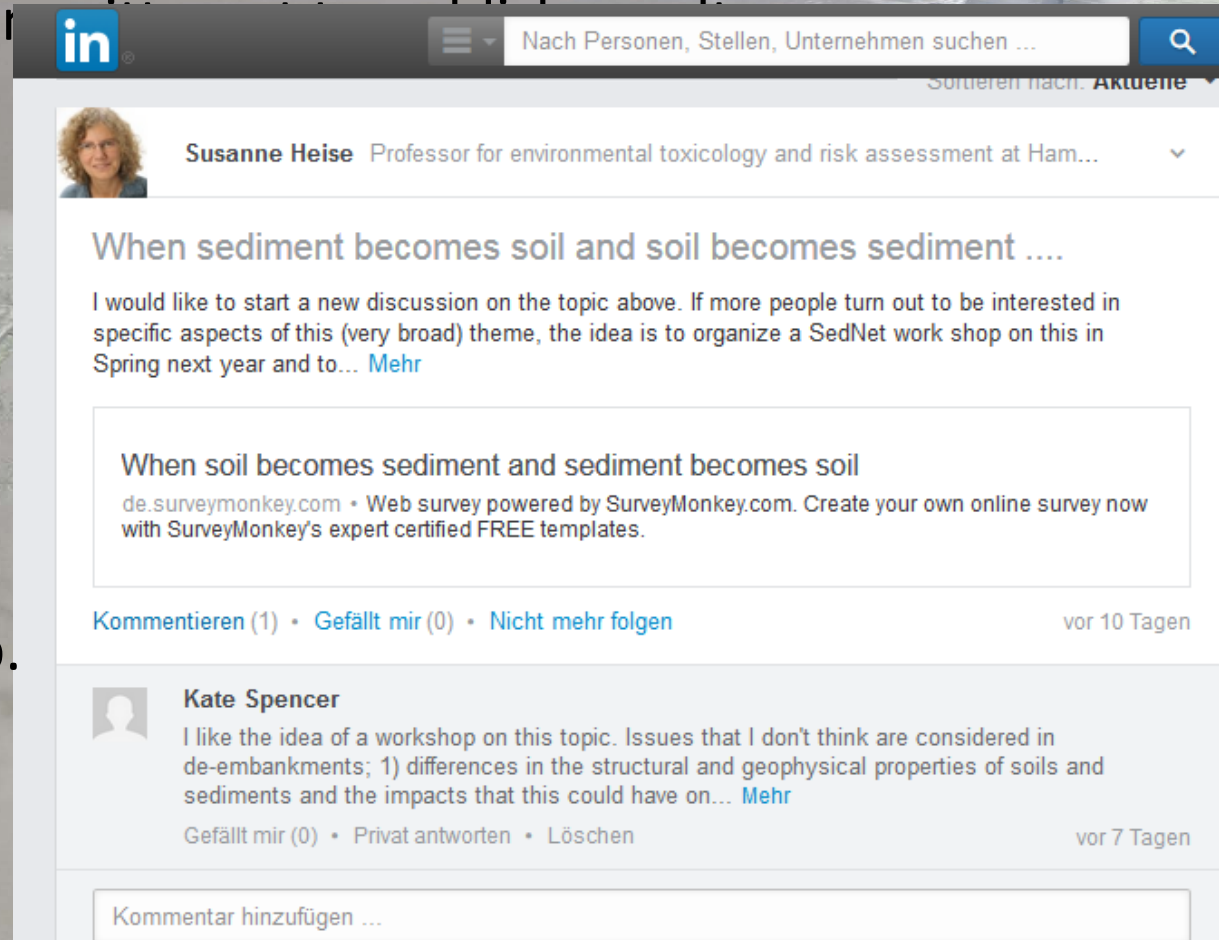




# Different ways for you to participate

- ❑ 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 courses
- ❑ E.g. application of a project proposal

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



The screenshot shows a LinkedIn profile for Susanne Heise, Professor for environmental toxicology and risk assessment at Ham... The post is titled "When sediment becomes soil and soil becomes sediment ...." and discusses the idea of organizing a SedNet workshop on this topic in Spring next year. The post includes a link to a SurveyMonkey survey and a comment from Kate Spencer expressing interest in the workshop.

**Susanne Heise** Professor for environmental toxicology and risk assessment at Ham...  
Sortieren nach: **Aktuelle**

**When sediment becomes soil and soil becomes sediment ....**

I would like to start a new discussion on the topic above. If more people turn out to be interested in specific aspects of this (very broad) theme, the idea is to organize a SedNet work shop on this in Spring next year and to... [Mehr](#)

**When soil becomes sediment and sediment becomes soil**  
de.surveymonkey.com • Web survey powered by SurveyMonkey.com. Create your own online survey now with SurveyMonkey's expert certified FREE templates.

[Kommentieren](#) (1) • [Gefällt mir](#) (0) • [Nicht mehr folgen](#) vor 10 Tagen

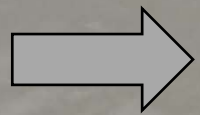
**Kate Spencer**  
I like the idea of a workshop on this topic. Issues that I don't think are considered in de-embankments; 1) differences in the structural and geophysical properties of soils and sediments and the impacts that this could have on... [Mehr](#)  
Gefällt mir (0) • [Privat antworten](#) • [Löschen](#) vor 7 Tagen

Kommentar hinzufügen ...

# 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**

