KnowEscape: Analyzing the dynamics of information and knowledge landscapes

TD1210

Start date: 26/04/2013
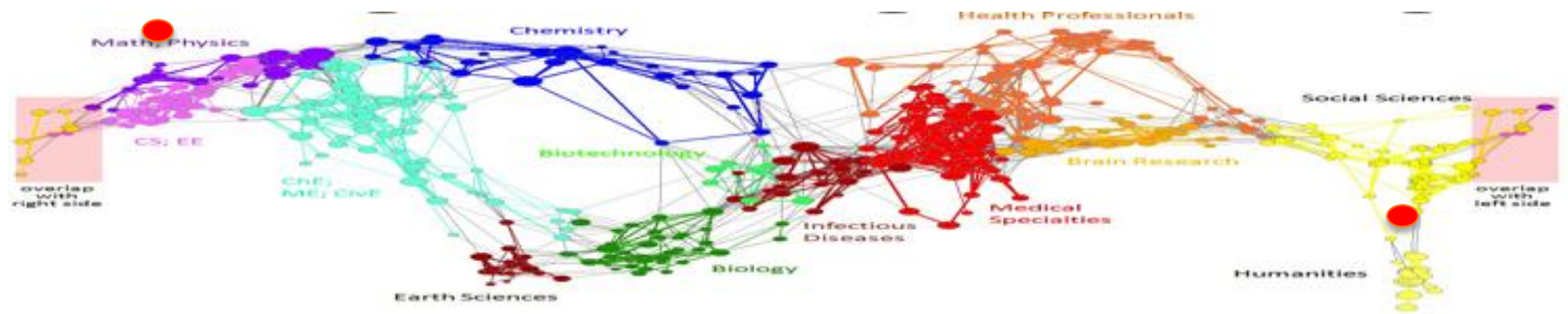
End date: 25/04/2017

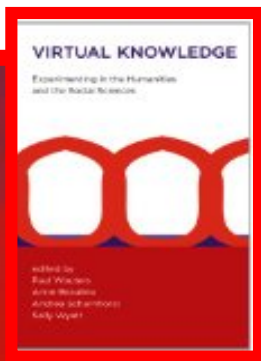**Year:** *Starting*

Andrea Scharnhorst

Chair

Royal Netherlands Academy of Arts and Sciences

Andrea Scharnhorst – CV

- Head of **eResearch** at DANS and scientific coordinator of the Computational Humanities programme at the **eHumanities** group of the Royal Netherlands Academy of Arts and Sciences (KNAW) – DANS=Data **Archiving** and Networked Services Institute (DANS)

Scientific context and objectives (1/2)

Different data models for their metadata

We find them at different places
In different ordering schemes

Map of knowledge resources

Knowledge maps as interfaces to collections

Scientific context and objectives (2/2)

Research directions:

- Data models, data mining, pattern recognition

- Dimensions of knowledge spaces & classifications

- Information seeking behaviour

- Visualizing knowledge spaces

- Implementing knowledge maps in navigation

- Consortium between IR, DigHumanities and statistical physics
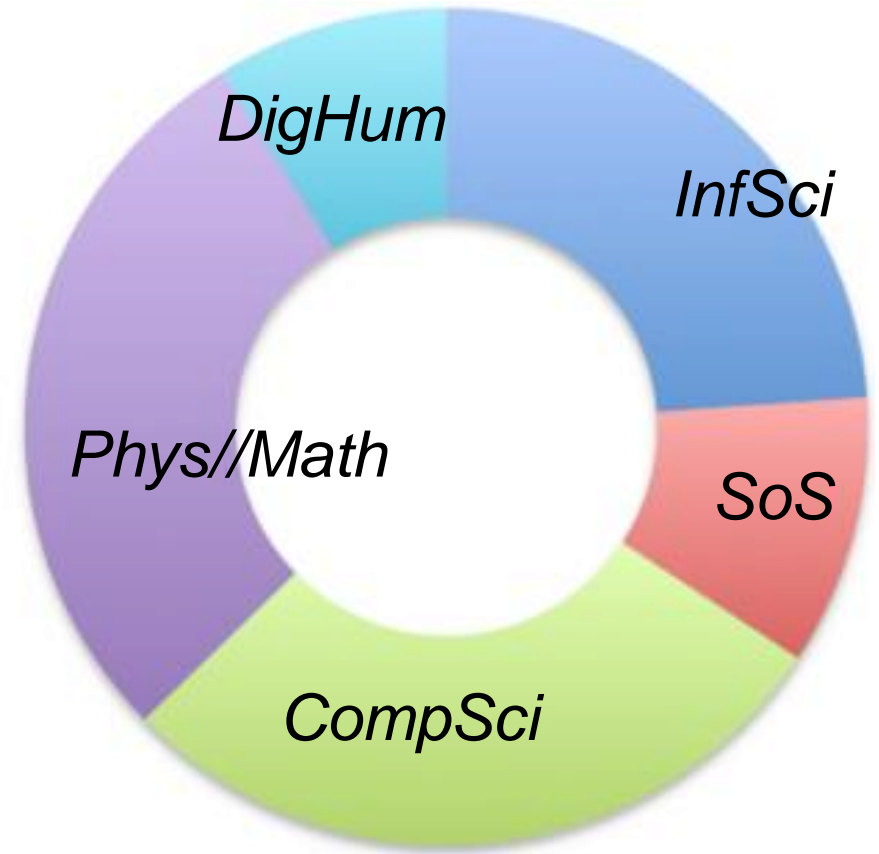
Working groups

1. **Phenomenology of knowledge spaces (Slavic, Thurner)**

2. **Theory of knowledge spaces (Richmond, Ahrweiler)**

3. **Visual analytics of knowledge spaces – knowledge maps (Lambiotte, Akdag)**

4. **Data curation and navigation based on knowledge maps (Gueret, Mutschke)**

Future Plans and Challenges

- Mixing the disciplinary composition in the WG's   DONE
- Satellite meeting at major conferences ONE THE WAY
- Site visits in archives/libraries hand's on demand-wise MUNDANEUM
- Site visits at lab (workshops, STSM) hand's on method-wise – Think tank ESR *PLAN*

- Managing growth
- Establishing mode of working in WG's
- Establishing STSM programme
- Coordinating research activities
  - –> national projects
  - –> mutual shared objects/methods
- Coauthoring – *long term*
- Proposals