



COST

KnowEscape: Analyzing the dynamics of information and knowledge landscapes

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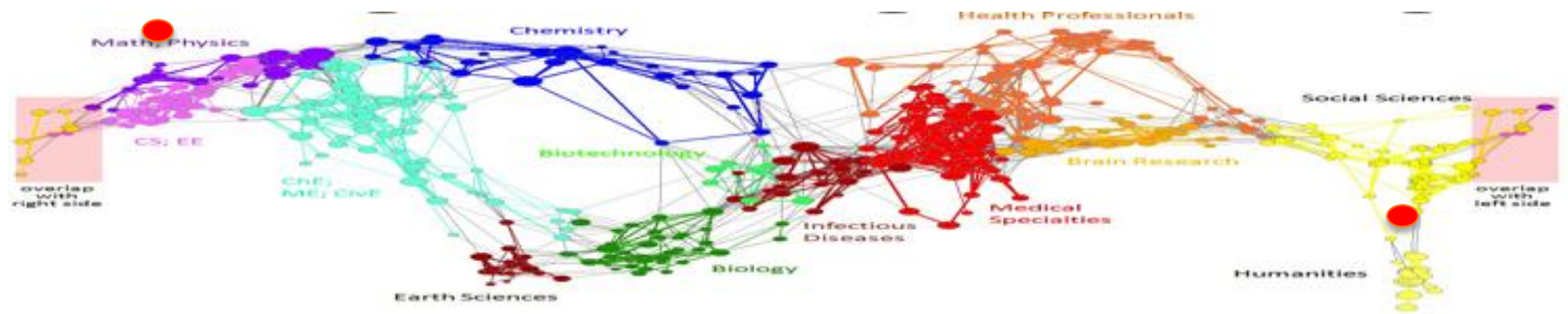
End date: 25/04/2017

Year: *Starting*

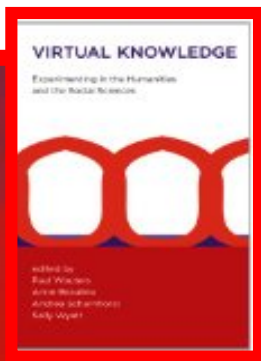
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Analyzing the dynamics of information and knowledge landscapes



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

DEUTSCHE NATIONAL BIBLIOTHEK

LIBRARY OF CONGRESS

MUNDANEUM

Logo of the National Diet Library (NDL)

Logo of the National Science Foundation (NSF)

Logo of the National Endowment for the Humanities (NEH)

Logo of the National Library of Medicine (NLM)

Logo of the National Library of Science (NLS)

Logo of the National Library of Social Science (NLSS)

Logo of the National Library of Theology (NLTh)

Logo of the National Library of Music (NLMus)

Logo of the National Library of Dance (NLDance)

Logo of the National Library of Film, Video and Animation (NLFA)

Logo of the National Library of Sound and Music (NLSM)

Logo of the National Library of Theatre and Performance (NLTP)

Logo of the National Library of Visual Arts (NLVA)

Logo of the National Library of Architecture (NLArch)

Logo of the National Library of Design (NLDesign)

Logo of the National Library of Fashion (NLFashion)

Logo of the National Library of Food and Nutrition (NLFN)

Logo of the National Library of Health and Medicine (NLHM)

Logo of the National Library of Law (NLLaw)

Logo of the National Library of Literature (NLLit)

Logo of the National Library of Linguistics (NLLing)

Logo of the National Library of Mathematics (NLMath)

Logo of the National Library of Natural Sciences (NLSNat)

Logo of the National Library of Physical Sciences (NLSPhys)

Logo of the National Library of Social Sciences (NLSoc)

Logo of the National Library of Technology (NLTech)

Logo of the National Library of Transportation (NLTrans)

Logo of the National Library of Urban and Environmental Studies (NLUES)

Logo of the National Library of War and Peace Studies (NLWPS)

Logo of the National Library of Women's Studies (NLWS)

Logo of the National Library of Youth Studies (NLYouth)

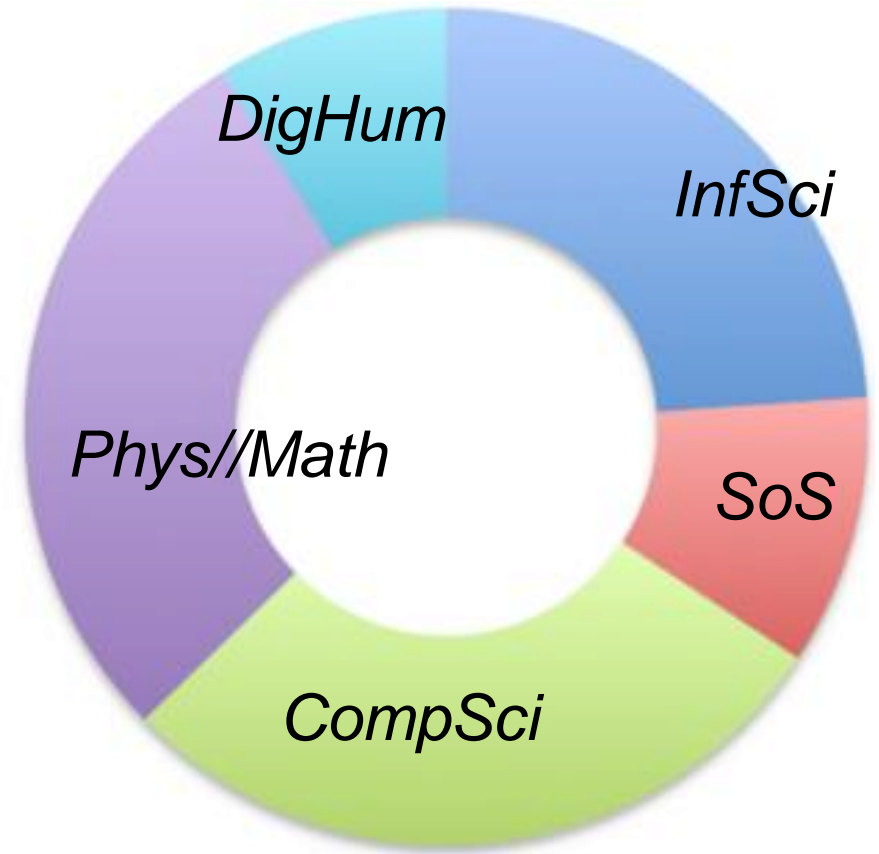
Logo of the National Library of Zebra (NLZebra)

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