COST
EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY

COST Action TD1210   2013 | 2017

KNOWeSCAPE

Materials, Physics & Nanosciences (MPNS)

Participating countries: 25

AT, BE, BG, CH, DE, DK, EL, ES, FI, FR, HR, HU, IE, IL, IS, IT, MK, MT, NL, PL, PT, RS, SI, SE, UK
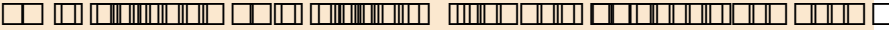
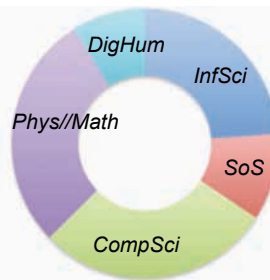### Internat. Collaboration:

US (in preparation)

Objectives
- Analysis and models of knowledge spaces
- Maps as navigation tools through knowledge spaces
- Guidelines for implementing knowledge maps

Working Groups
- WG 1: Phenomenology of knowledge spaces
- WG 2: Theory of knowledge spaces
- WG 3: Visual analytics of knowledge spaces–knowledge maps
- WG 4: Data curation and navigation based on knowledge maps

Contact details

Chair of the Action
Andrea Scharnhorst
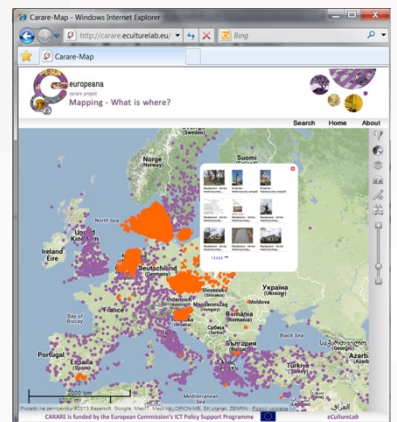Andrea.scharnhorst@dans.knaw.nl

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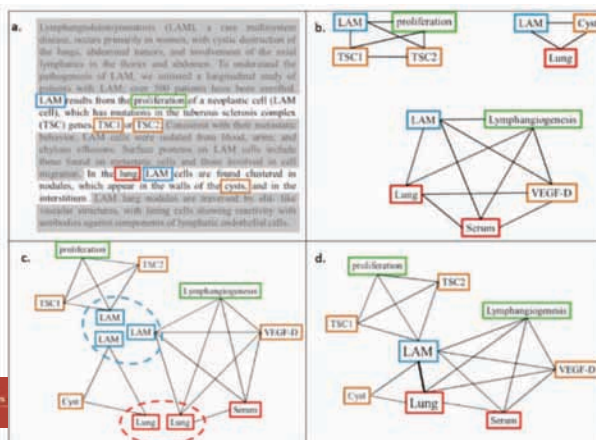
Science Officer (COST Office)
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Action Website
www.knowescape.org

Main Achievements
- Linking into international projects and networks, e.g. Europeana.
- Information retrieval and knowledge discovery: how can complex network theory be combined with NLP and semantic resources? **First paper**
- Semantic web technology: How to provide provenance for evolving classification systems? **Conference contribution**
- Types of visualizations suitable for knowledge maps. **WG1/3 workshop**

Gender Balance and Early Stage Researcher
- Objectives: ESR take responsibility in the Action according to percentage share in the Action. The same quota holds for gender.
- Status: 40% Female Participants, 10% ESR. Steering Committee: 30% Female 30 % ESR

Dissemination
- Leaflet/ and Website
- Special session at *Theory and Practice of Digital Libraries 2013* "COST Actions and Digital Libraries: between Sustaining Best Practices and Unleashing Further Potential"
- First WG meetings as satellite events at important conferences (WG 1/3, WG 4)

Geographic Knowledge Map.
Courtesy F. Zakrajsek, CARARE, Europeana

Knowledge Graph. Courtesy T. Di Matteo
Information Retrieval based on Natural Language Processing, Semantic Resources and Complex Networks