KNOWeSCAPE in a nutshell

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There is no escape from the expansion of information [...] 

need of digital scholarship for effective knowledge inquiry [...] 

five different communities from all corners of the scientific landscape join forces in a quest for knowledge maps [...] 

-A. Scharnhorst, Chair
PARTICIPATING COMMUNITIES AND THEIR ROLES

Digital humanities scholars
- Collections, interactive design
- Visual analytics - knowledge maps
- Data navigation

Physicists, mathematicians
- Theory of knowledge spaces
- Visual analytics - knowledge maps
- Structure & evolution of complex knowledge spaces
- Big data mining

Information Professionals
- Collections, Information retrieval
- Phenomenology of knowledge spaces
- Data curation

Social scientists
- Simulating user behavior
- Theory of knowledge spaces
- Data navigation

Computer scientists
- Semantic web, data models
- Phenomenology of Knowledge Spaces
- Data curation

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Design Almila Akdag
The main objective is advancing the analysis of large knowledge spaces and systems that organize and order them.
Spotlight on a few topics

• Visualization of maps of knowledge
• «Education» stream
• Forthcoming workshop and STSM
Some main topics: visualization of maps of knowledge.
Visualization has been one of the driving points of strength due to the collaboration between A. Scharnhorst and K. Boerner that started before the launch of the project. Visualization constitutes a powerful tool for understanding relationship and clusters among the various disciplines. It may be noted how strong is the dependence on classification keywords.
«Education» stream

• The diffusion of financial literacy
  Financial knowledge: measuring and impacting on society. Issues on overall financial stability

• Making sense of educational indicators
  Different paradigmas for measuring the effectiveness of educations: overcoming the “traditional” teaching performed in a didactic unidirectional way teacher->students
Forthcoming workshop and STSM

• Money, Uncertainty, and the Macroeconomy, Galway, March 14°-16°, 2016
  conceptual and methodological issues related to the role of money in wider economy

• Ms Valeria Aman visiting Ismael Rafols (Valencia)
  Expanding the use of science maps in sociological analyses by positioning actors in knowledge landscapes
Linking points with PEERE

• Many members in common;

Talks of KNOWeSCAPE members given in this workshop:

• M.Ausloos «Evolutionary computation in the peer review process. Can computers replace editors?»
  joint work with M. Mrowinski (presenting), A. & P. Fronczak, and O.Nedic

• F. Schweitzer «With a little help from your friends: The impact of social networks on publication success»
Bibliographic references

• Walking through a library remotely - Why we need maps for collections and how KnoweScape can help us to make them?

• www.knowescape.org