

KNOWeSCAPE

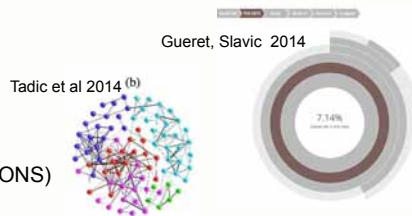
Analyzing the dynamics of information and knowledge landscapes

Objectives

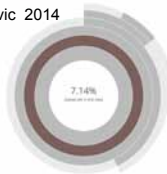
- ◆ O1: **Analysis and models of knowledge spaces** [Data models, new algorithms, understanding of social processes]
- ◆ O2: **Maps as navigation tools through knowledge spaces** [Exploring different ways to use knowledge maps]
- ◆ O3: **Guidelines for implementing knowledge maps** [For heritage institutions, for information providers]

Working Groups

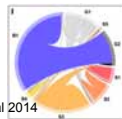
- **WG 1: Phenomenology of knowledge spaces**
Evolution of classification systems
- **WG 2: Theory of knowledge spaces**
Emergence of collective emotions (CYBEREMOTIONS)
Memory in network flows
- **WG 3: Visual analytics**
Phylogenetic patterns in science evolution
- **WG 4: Data curation**
User behaviour in repositories



Gueret, Slavic 2014



Chavalarias et al 2013, 2014



Van Hoek et al 2014



Main Achievements

- 66 Publications [2 monographs, 1 conference proceedings, 1 PhD thesis]
Heymann, S. (2014). Exploratory Link Stream Analysis for Event Detection. PhD Thesis l'UNIVERSITÉ PIERRE ET MARIE CURIE.
- Rodrigues, E., Swan, A., & Baptista, A. A. (2013). Uma Década de Acesso Aberto na UMinho e no Mundo (p. 261). Braga, Portugal: Universidade do Minho, Serviços de Documentação.
- Slavic, A., Akdag Salah, A., & Davies, S. (Eds.). (2013). Classification & visualization: Interfaces to knowledge; proceedings of the International UDC Seminar 24 - 25 October 2013. Würzburg: Ergon Verlag.
- Vitanov, N. K., Dimitrova, Z. I., & Vitanov, K. N. (2014). Science dynamics and scientific productivity. Sofia: Publishing House "Vania Nedkov.

- SME – creative industry links – LearnDiscovery

Gender Balance and Early Stage Researcher

- About 30 new members joined the Action during the GP1.
- 88 individual participants are involved in the Action work. (34 % female; 31 % ESR)
- 17 STSM (6 = 35% female researcher, 14=82% ESR)

Dissemination



KnoweSCAPE - Bibliography of members
Owned by Andrea Scharnhorst

This is the bibliography of publications of the member of the COST Action TD1210.

Recent papers in this group

- Phylogenetic patterns in science evolution—the rise and fall of scientific fields.
David Chavalarias, Jean-Philippe Comtet
PLoS one, Volume: 8, Issue: 2 (2013)
- Memory in network flows and its effects on community detection, ranking, and spreading
Martin Rosvall, Alices V. Escavel, Andrea Lancichinetti, Javin D. West, Renaud Lambiotte
ArXiv, 2013
- Identifying User Behavior in domain-specific Repositories
Wilko van Hoek, Viki Shen, Philipp Mapp
Arxiv Digital Libraries (DL) 1402.7850, Epub Conference 2014, 2014

Materials,
Physics &
Nanosciences
(MPNS)



Participating countries: 36

AT, BA, BE, BG, CH, CY, CZ, DE, DK, EE, EL, ES, FI, FR, HR, HU, IE, IL, IS, IT, LT, LU, LV, MK, MT, NL, NO, PL, PT, RO, RS, SI, SK, SE, TR, UK

Internat. Collaboration:

AR, AU, NZ, ZA, RU, US, CN, JP, ...

Contact details

Chair of the Action

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Domain Committee Rapporteur

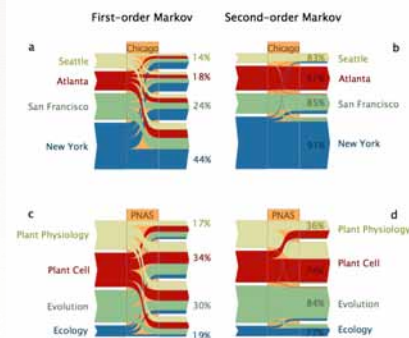
Professor Joaquim Manuel Vieira

Science Officer (COST Office)

Giuseppe Luggano

Action Website

www.knowescape.org



Rosvall et al 2014



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