



Quantifying scientific impact

Networks, Measures, Insights?

Prof. Frank Schweitzer

High expectations

- **two days of intense interactions**
 - **information:** short presentations
 - **discussion:** plenary/binary interactions
- **scientific sessions**
 - **bibliometrics:** Mutz, Haunschild, Tunger
 - **social science:** van den Besselaar, Squazzoni, Bar-Ilan
 - **computer science:** Radicchi, Rosvall, Scholtes
 - **statistical analysis:** Medo, Mryglod, Petersen
- **stakeholder sessions**
 - **ranking:** Berghoff, Juno, van Eck
 - **data:** Lipitakis, Fenner, Roelandse
- **plenary discussion**
 - Hugentobler, Schweitzer

COST Action TD1210: KNOWeSCAPE

Analyzing the dynamics of information and knowledge landscapes

- <https://www.sg.ethz.ch/projects/eu-cost-knowescape-information-landscapes/>
- http://www.cost.eu/COST_Actions/mpns/Actions/TD1210
- <http://www.knowescape.org/>

Our sponsors



Tangible outcome

Written report (Vahan)

- summary of our discussions, available on the workshop website
- comments on guiding questions
- a Zurich manifesto?

Test dataset

- joint dataset with scientometric information
- prediction contest? (Netflix)

Quantitative ≠ objective



"I felt that too much weight was often placed on **subjective criteria** – such as letters of recommendation – **rather than objective ones.**"

Jorge Hirsch

- the system will adapt to whatever measure is proposed
 - right versus wrong incentives, unintended consequences?