MLE Open Science – Altmetrics and Rewards
Zurich, November 10, 2017

Dr. Alexander Hasgall, former scientific coordinator Program «Performances de la recherche en sciences humaines et sociales»
2 ways to evaluate?
Peer Review

Most scientists regarded the new streamlined peer-review process as ‘quite an improvement.’
Peer Review

- **Advantage:** Process is controlled by the scientific community!!
  
  - Small communities
  
  - Low inter-rater reliability
  
  - Time consuming
  
  - Limited resources
  
  - Favours mainstream-research
  
  - Informal networks

→ *(informed)* peer review remains gold-standard
Bibliometrics
SSH and Bibliometrics

- Under-representation in databases (Web of Science and Scopus)
- Low number of books in the databases
- Focuses on publications in English
- What is a scientific publication?
- No core-journals
- Double-blind peer review not standard in all disciplines (f.i. legal studies)
- Different citation cultures
The program «Performances de la recherche en sciences humaines et sociales»
Two programs to make research in SSH more visible

- Measuring Research Output (USI/FR)
- Development of Quality criteria in the SSH (ZH/BS)
- Décrire et mesurer la fécondité de la recherche (NE)
- Developing indicators for the usage of research (USI/FR)
- Scientometrics 2.0 (SG)
- Der Wertbeitrag betriebswissenschaftlicher Forschung (SG)
- Forschungsevaluation in der Rechtswissenschaft (BE/GE)
- Ressourcen-basiertes Instrument zur Abbildung geisteswissenschaftlicher Forschung (LU/FR)
- Cartographier les réseaux de recherche (NE)
- National vergleichbare Daten (BS)
The program «Performances de la recherche en sciences humaines et sociales»: 2013-2016

7 Projects

a. Der Wertbeitrag betriebswissenschaftlicher Forschung (SG)
b. Developing indicators for the usage of research (USI/FR)
c. Scientometrics 2.0 (SG)
d. Forschungsevaluation in der Rechtswissenschaft (BE/GE)
e. Ressourcen-basiertes Instrument zur Abbildung geisteswissenschaftlicher Forschung (LU/FR)
f. Cartographier les réseaux de recherche (NE)
g. National vergleichbare Daten für die Darstellung und Beurteilung von Forschungsleistungen (BS)

8 Implementation projects

i. Atelier à l’attention des jeunes chercheurs et chercheuses suisses et issu-es des universités de la LERU(GE)

ii. Theologische Forschung im Kontext der Geistes- und Sozialwissenschaften. Instrumente zur Dynamisierung der Forschungserträge ad intra und ad extra im Horizont der Nachwuchsförderung (FR)

iii. Analyse détaillée des réseaux de collaboration et de partenariat de la recherche en SHS (LA)

iv. Implementation of a system of indicators and of performance measurement for the Università della Svizzera italiana (USI)

v. Umsetzungsprojekt «Scientometrics 2.0» (SG)

vi. Implementationsprojekt NE

vii. Bottom-Up-Kriterien zur Beurteilung von geisteswissenschaftlichen Förderungsanträgen (ZH)

viii. Software-Anwendung zur Analyse und Visualisierung von Forschungsleistungen (LU)
Project: Indicators for success in the social sciences and humanities (Universities Zurich and Basel)
**Project:** Indicators for success in the social sciences and humanities (University of Zurich / University of Basel)

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Project: Mapping research Network (University of Neuchatel)
Project: Mapping research networks. Interactions and partnerships in the SSH (University of Neuchatel)
Scientometrics 3.0
(University of St. Gallen)
Project based on researchers at University of St. Gallen

- Based on publicly available data collected on ResearchGate from 292 members of USG (41% PhD students, 42.5% post-docs and junior/assistant professors, 16.5% full professors).

- Data collection during February/March 2014: follower relationships, likes, shares, and comments.

- In addition: extraction of metadata of all peer-reviewed journal publications from institutional repository (including DOIs), collection of webometrics and altmetrics from both Plum Analytics and Webometric Analyst.

- UCINET/Netdraw and Gephi were used to analyze and visualize the directed network data. Also correlation analysis of variables, using Pearson correlations (IBM SPSS Statistics, V.21).
Position

- Yellow = Full Prof.
- White = Ass. Prof.
- Black = Post-Doc
- Blue = PhD

Legend:
## Summary

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10 Principles
10 principles for an appropriate evaluation

- Acknowledge different scientific cultures
- Prioritize a bottom-up approach
- Be aware of the norms and interests your evaluation is based on
- Determine beforehand the methodology and the aim of the evaluation
- Value different institutional profiles
• Put quality in the centre not quantity
• Use a broad definition of impact
• Adapt Evaluation to the institutional context
• Honor not only the results, but also the process
• Evaluation itself needs a scientific foundation
More information

http://www.performances-recherche.ch

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