

Workshop on “Data Science for Innovation”

6 June 2018 – Jubilee Building Room G22

SPRU (Science Policy Research Unit)
School of Business, Management and Economics (BMEC)
University of Sussex,
Brighton, United Kingdom

Agenda

9.00 – 9.20 **Arrival and coffee**

9.20 – 9.30 **Welcome**

9.30 – 11.10 **Session 1: Data, Data, Data ...**
(chaired by Daniele Rotolo)

Live SciSci – The Science of Science
<i>Miguel Garcia and Andrea Gilbey</i> (<i>Web of Science, Clarivate Analytics</i>)
New Dimensions: The Missing Link between Authors, Grants, Publications, and their Impact
<i>Hélène Draux (Digital Science)</i>
Researchfish Data: Provenance, Processes and Opportunities
<i>Gavin Reddick (Researchfish)</i>
Semantic Approaches to Collecting and Analysing STI Policy data
<i>Andrés Barreneche (OECD)</i>

(15 minutes for presentation and 5 minutes for discussion)

11.10 – 11.30 **Coffee break**

11.30 – 13.00 **Session 2: Text mining for STI**
(chaired by Ed Steinmueller)

Creating the European Social Innovation Database (ESID) by Using Text-mining and Machine Learning
<i>Abdullah Gok (MIOIR, University of Manchester)</i>
Innovation Mapping at Nesta: Three Snapshots of Our Data Pipeline
<i>Joel Klinger, Juan Mateos-Garcia, Konstantinos Stathoulopoulos</i> (<i>NESTA</i>)

Using Machine Learning Algorithms to Improve Policy Targeting

Carlo Menon (OECD)

Topic Modeling the Electrification of Transport – Comparing Newspaper Coverage in the UK and Germany

Jan-Christoph Rogge (WZB Berlin Social Science Center)

Exploring the Use of Historical Textual Sources to Trace Technological Change

Frédérique Bone and Daniele Rotolo (SPRU, University of Sussex)

(10 minutes for presentation and 5 minutes for discussion)

13.00 – 14.00 Lunch break (Room G36)

14.00 – 15.30 Session 3: Mapping research
(chaired by Michael Hopkins)

How Can One Distinguish and Recombine Disparity, Variety, and Balance for the Measurement of Diversity and Interdisciplinarity?

Loet Leydesdorff (Amsterdam University)

Funding Schemes and Research Performance

Lili Wang (UNU-MERIT, Maastricht University)

Text-mining Methods for Informing Policy: A Case of the EU Engineroom Project

Michał Paliński (DELab, University of Warsaw)

A Vector Worth a Thousand Counts – A Temporal Semantic Similarity Approach to Patent Impact Prediction

Daniel S Hain (Aalborg University)

Eliciting and Comparing Priorities in STI and Societal Demands

Tommaso Ciarli (SPRU, University of Sussex)

(10 minutes for presentation and 5 minutes for discussion)

15.30 – 16.00 Final discussion (with coffee)
(chaired by Frédérique Bone)

List of participants

Participant	Organisation	Email address
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SPRU PhD students attending: Filippo Bottandini, Bernando Caldarola, Bernando Cantone, Bipashyee Ghosh, Claudia Obando Rodrigue

Map of the Jubilee Building -- Ground Floor

The workshop will be held in the Jubilee Building in Room G22. Lunch will be in Room G36.

