

TRANSLATIONAL TWISTS AND TURNS: SCIENCE AS A SOCIO-ECONOMIC ENDEAVOR

PROGRAM

STI 2013 BERLIN

18TH INTERNATIONAL CONFERENCE ON
SCIENCE AND TECHNOLOGY INDICATORS



Institute for
Research Information
and Quality Assurance

ENID

European Network of
Indicators Designers

Program Overview

**18th Science and Technology Indicators Conference (STI):
Translational twists and turns: Science as a socio-economic endeavor
Berlin-Brandenburg Academy of Sciences and Humanities
4-6th September 2013**

Wednesday, September 4, 2013

8:00-9:00	Registration
9:00-9:15	Welcome by the Host
9:15-10:00	Keynote
10:00-11:00	Plenary Session
11:00-11:30	Coffee Break
11:30-13:00	Parallel Sessions
13:00-14:00	Lunch
14:00-16:00	Parallel Sessions
16:00-16:30	Coffee Break
16:30-18:30	Parallel Sessions
18:45	Walking Tour

Thursday, September 5, 2013

8:00-9:00	Registration
9:00-11:00	Parallel Sessions
11:00-11:30	Coffee Break
11:30-13:00	Parallel Sessions
13:00-14:00	Lunch
14:00-15:00	Poster Session 1
15:00-16:30	Parallel Sessions
16:30-17:00	Coffee Break
17:00-18:30	Plenary Session
19:30	Conference Dinner

Friday, September 6, 2013

9:00-10:00	Poster Session 2
10:00-11:00	Parallel Sessions
11:00-11:30	Coffee Break
11:30-12:30	Parallel Sessions
12:30-12:45	Announcement of next conference(s) and Farewell
12:45-13:30	Lunch
13:30-14:30	ENID Assembly

Conference Program

Wednesday, September 4, 2013

8:00-9:00 Registration

9:00-9:15 Welcome by the Host (Leibniz-Saal)

9:15-10:00 Keynote (Leibniz-Saal)

Data, experts, and politicians – symbiosis or peaceful coexistence?

MinDirig Dr. Dietrich Nelle (Federal Ministry of Education and Research, BMBF)

10:00-11:00 Plenary Session (Leibniz-Saal)

Chair: Robert Tijssen

An Indicator of Translational Capacity of Biomedical Researchers

Kevin W. Boyack, Richard Klavans, Michael Patek, Patrick Yoon, and Lyle H. Ungar

Science unfolding in technology: a cross-country analysis of scientific citations in patents

Julie Callaert, Jan-Bart Vervenne, and Bart Van Looy

11:00-11:30 Coffee Break (Leibniz-Saal)

Parallel Sessions

11:30-13:00 Session 1 (Leibniz-Saal)

Research Performance and wider Impact

Chair: Stefan Hornbostel

1

Enlightenment literature and the complex ecology of public knowledge

Diana Hicks and Jian Wang

Societal Use of Research (SURE): stakeholder perceptions and data method development

Ingeborg Meijer, Clara Calero Medina, and Rebecca Abma-Schouten

Recent developments in Dutch research assessment. Scholarly activity in SSH and Law in a new perspective

Theo van Leeuwen, Erik van Wijk, and Paul Wouters

11:30-13:00

Session 2 (Room 1)

Funding policies

Chair: Sybille Hinze

2

Measuring opening of national R&D programmes: what indicators for what purposes?

Emilia Primeri, Emanuela Reale, Benedetto Lepori, Philippe Laredo, Maria Nedeva, and Duncan Thomas

Relationships between policy, funding and academic performance: Examination of a Danish success story

Kaare Aagaard and Jesper Schneider

11:30-13:00

Session 3 (Room 2)

Collaboration and Networks

Chair: Kevin Boyack

3

The Influence of Group Research Support on Research Collaboration Networks: Center-level Evidence from the NRF Science/Engineering Research Center Program

Chang Hoon Yang and Jungeun Heo

Proximity mechanisms in European research networks: a case study of the water sector

Pieter Heringa, Laurens Hessels, and Marielle van Zouwen

Citation Benefits and International Visibility of Two-Country-Collaborations

Mathias Riechert, Daniel Sirtes, and Haiko Lietz

13:00-14:00

Lunch (Leibniz-Saal)

Parallel Sessions

14:00-16:00

Session 1 (Leibniz-Saal)

University assessment #1

Chair: Hans-Dieter Daniel

1

The Application of Citation-Based Performance Classes in Institutional Research Assessment

Wolfgang Glänzel, Bart Thijs, and Koenraad Debackere

Productivity differences influence Swedish universities' citation-based university rankings: An analysis of the relationship between work productivity and citation performance

Rickard Danell

Ranking universities: The challenge of affiliated institutes

Fleur Praal, Joost Kosten, Clara Calero Medina, and Martijn Visser

14:00-16:00

Session 2 (Room 1)

Innovation

Chair: Wolfgang Polt

2

Cross-Technology Diffusion of Software: A Patents-based Analysis

Poh-Kam Wong and Yuen Ping Ho

Discoveries and citations over time in solar cell technology

Katarina Larsen and Clara Calero Medina

Internationalization of Large Firms R&D activities: towards a shift in trend?

Antoine Schoen, Patricia Laurens, Christian Le Bas, Lionel Villard, and Philippe Larédo

14:00-16:00

Session 3 (Room 2)

New Metrics: knowledge production

Chair: Thed van Leeuwen

3

How Smart is Specialisation? An Analysis of Specialisation Patterns in Knowledge Production

Gaston Heimeriks

Towards the Development of an Article-level Indicator of Conformity, Innovation and Deviation

Richard Klavans and Kevin W. Boyack

Measuring the diversity of research using paper similarities

Jochen Gläser, Frank Havemann, Michael Heinz, and Alexander Struck

Access and utilisation of social capital in knowledge transfer

Thomas Gurney, Edwin Horlings, and Peter van den Besselaar

16:00-16:30

Coffee Break (Leibniz-Saal)

Parallel Sessions

16:30-18:30

Session 1 (Leibniz-Saal)

Individual assessment #1

Chair: Emanuela Reale

1

Publication productivity expressed by age, gender and academic position – an analysis on Norwegian scientists

Kristoffer Rørstad and Dag W. Aksnes

The predictability of the Hirsch index evolution

Michael Schreiber

Weighting of indicators

Ülle Must and Oskar Otsus

16:30-18:30

Session 2 (Room 2)

New metrics: interdisciplinarity

Chair: Ismael Rafols

2

Citation impacts revisited: How novel impact measures reflect interdisciplinarity and structural change at the local and global level

Michel Zitt and Jean-Philippe Cointet

A bottom-up approach to assess the interdisciplinarity of journals from a multidisciplinary corpus of bibliographical records

Ivana Roche, Dominique Besagni, Claire François, Marianne Hörlesberger, and Edgar Schiebel

The “Translational” effect in medical journals. Bridging the gap?

Eric van Wijk and Marc Luwel

18:45

Walking Tour

8:00-9:00

Registration

Parallel Sessions

9:00-11:00

Session 1 (Leibniz-Saal)

Grant decisions and their impact on researcher's careers

Chair: Rickard Danell

1

Personal Research Grants and Career Paths: a cohort study of Dutch Life Science & Health researchers

Inge van der Weijden, Rosalie Belder, and Ingeborg Meijer

More competition, better science? The predictive validity of grant selection.

Peter van den Besselaar

Is post-doc funding stimulating research performance? Evidence from Danish research policy!

Jesper Schneider and Thed van Leeuwen

The notion of talent: What are the talents we are looking for in science?

Pleun van Arensbergen, Inge van der Weijden, and Peter van den Besselaar

9:00-11:00

Session 2 (Einstein-Saal)

Identifying and characterizing emerging fields / future technologies

Chair: Éric Archambault

2

Quantitative Analysis of Technology Futures: A conceptual framework for positioning FTA techniques in policy appraisal

Tommaso Ciarli, Alex Coad, and Ismael Rafols

Bibliometric classification of emerging topics

Marcus John and Frank Fritsche

Identifying emerging biorefinery technologies & potential markets: A technometric approach

Michael Novotny and Ulf Sandström

The discovery of 'introns': analysis of the science-technology interface

Jos Winnink, Robert Tijssen, and Anthony van Raan

11:00-11:30

Coffee Break (Leibniz-Saal)

11:30-13:00

Session 1 (Leibniz-Saal)

University assessment #2 – multidimensionality of activities

Chair: Benedetto Lepori

1

Marks as indicators for analysing the service orientation of universities

Ulrich Schmoch

Conceptualization and development of benchmark bibliometric studies for research assessment

Ed Noyons and Rodrigo Costas

Knowledge and technology transfer performance of European universities and research institutions: assessing the influence of institutional by-laws and practices

Franz Barjak, Nordine Es-Sadki, and Anthony Arundel

11:30-13:00

Session 2 (Einstein-Saal)

Standards

Chair: Gunnar Sivertsen

2

Introductory presentation: Bibliometric Evaluation Standards Debate

Daniel Sirtes and Ludo Waltman

Panel discussion

Éric Archambault, Wolfgang Glänzel, Stefan Hornbostel, and Paul Wouters

13:00-14:00

Lunch (Leibniz-Saal)

14:00-15:00

Poster Session 1 (Room 2 / Room 3)

Vladimir Albrecht: Measuring “teaming for excellence” in the FP7

Lucy Amez: Citations of social sciences and humanities publications in the Flemish Academic Bibliographic Database

Martin Barth, Stefanie Haustein, and Barbara Scheidt: Co-publication analysis of German and Chinese institutions in the life sciences

Thomas Blondiau, Miriam Van Hoed, Arnold Verbeek, and Annelies Wastyn: Mobility of researchers in the European Union

Nuno Boavida, António Moniz, and Manuel Laranja: Technology decisions: The relevance of indicators and the influence of social relations

André Calero Valdez, Anne Kathrin Schaar, and Martina Ziefle: Measuring Interdisciplinary Performance By Analyzing Mixed Node Publication Networks

Pei-Shan Chi: The characteristics of highly cited non-source items in political science

Sonia Conchi and Carolin Michels: Brain Drain or Brain Circulation? The Extent of German Scientists to Work Abroad

Marije de Goede, Rosalie Belder, and Jos de Jonge: Academic careers in the Netherlands: mobility of academic staff

Tahereh Dehdarirad, Anna Villarroja, and Maite Barrios: Factors related to Gender Differences in Science: A co-word analysis

Kalle Hauss and Jakob Tesch: A longitudinal Perspective on Research Career Intentions during PhD Candidacy

Michael Jaeger, Susanne In der Smitten, and Johannes Wespel: Governance by indicators in German higher education: A look at internationality

Hirota Kawashima and Masashi Shirabe: Granular and Exclusive Clustering of Scientific Journals with Constraints by Essential Science Indicators

K. A. Khor, N. Santoso, and L.-G. Yu: Bibliometrics Analysis of Publication Trends in Young and Fast Developing Universities

Katarina Larsen and Peter Sjøgård: Research institutes' locally anchored collaboration and international co-authorship networks

Eustache Mègnignbêto: Scientific publishing in West Africa: a comparison with BRICS

Ana Ramos and Maria Arménia Carrondo: Changing the budgeting model in times of scarcity. Opportunity or additional constraint?

Christine Rimmert: Evaluation of Yahoo! Placefinder on institutional addresses

Sandra Carolina Rivera-Torres, Marcela Galvis-Restrepo, and Jenny Cárdenas-Osorio: Cumulative Capabilities in Colombian Universities: an Evaluation Using Scientific Production

Sandra Carolina Rivera-Torres, Marcela Galvis-Restrepo, and César Pallares: An approximation to the measurement of researcher's scientific and technologic careers, using secondary data collections

Isabel Roessler: 15 years Ranking and Indicator Experience: Needs and Requirements

Gunnar Sivertsen, Nick Deschacht, Henrik Aldberg, and Tim C. E. Engels: The influence of performance-based university research funding systems on co-authorship practices

Espen Solberg and Ole Wiig: Framing R&D markets: A study of private and public demand for R&D-services

Cathelijn Waaijer: Academic Career Structures – Historical Overview Germany 1850-2013

Alfredo Yegros-Yegros and Robert Tijssen: Regional outreach and engagement of universities: a scientometric view

Parallel Sessions

15:00-16:30

Session 1 (Leibniz-Saal)

New metrics: Altmetrics

Chair: Peter van den Besselaar

1

On the relation between altmetrics and citations in medicine

Stefanie Haustein, Mike Thelwall, Vincent Lariviere, and Cassidy R. Sugimoto

What do citations, downloads and readership data of an information systems journal have in common and where do they differ?

Juan Gorraiz, Christian Gumpenberger, Kris Jack, Peter Kraker, and Christian Schloegl

The diffusion of scientific literature on the web

Xianwen Wang, Wenli Mao, Chunbo Zhang, and Zeyuan Liu

15:00-16:30

Session 2 (Einstein-Saal)

Science and Technology: structures, characteristics and developments

Chair: Koenraad Debackere

2

Interactive Overlay Maps for US Patent (USPTO) Data Based on International Patent Classifications (IPC)

Loet Leydesdorff, Duncan Kushnir, and Ismael Rafols

From inception to exploitation: research trails in biotechnology start-ups

Thomas Gurney, Edwin Horlings, and Peter van den Besselaar

What Differentiates Top Regions in the Field of Biotechnology? An empirical Study of the Texture Characteristics of 101 Biotech Regions in North-America, Europe and Asia-Pacific

Catherine Lecocq and Bart Van Looy

16:30-17:00

Coffee Break (Leibniz-Saal)

17:00-18:30

Plenary Session (Leibniz-Saal)

Individual Assessment #2

Chair: Ben Martin

Brief report on the ISSI 2013 plenary on methodological aspects of individual-level bibliometrics

Wolfgang Glänzel

Experiences with individual level bibliometrics in research management in the last decade

Paul Wouters

Decision situations in science policy and management and the need for individual-level bibliometric evaluations

Marc Luwel

Ethical Aspects of Doing Evaluative Bibliometrics

Jochen Gläser

19:30

Conference Dinner (Roof Terrace / Einstein-Saal) – Dinner Speech (Anthony van Raan)

Friday, September 6, 2013

9:00-10:00 **Poster Session 2 (Room 2 / Room 3)**

see Poster Session 1

Parallel Sessions

10:00-11:00

Session 1 (Leibniz-Saal)

New metrics: concepts and use #1

Chair: Christian Schlögl

1

Size of web domains and interlinking behavior of higher education institutions in Europe

Isidro F. Aguillo, Benedetto Lepori, and Marco Seeber

Fortresses of books: A bibliometric foray into ranking scholarly publishers

Alesia Zuccala, Raf Guns, and Rens Bod

10:00-11:00

Session 2 (Einstein-Saal)

Quality assurance #1

Chair: Anthony van Raan

2

The relationship between the performance of editorial board members and the impact of scientific journals: an exploratory analysis

Rodrigo Costas, Clara Calero-Medina, Ludo Waltman, and Paul Wouters

Journal Name as Proxy for Research Quality – How the Cult of Journal Impact Factors Is Affecting Research

Bernd Pulverer and Michele Garfinkel

11:00-11:30

Coffee Break (Leibniz-Saal)

Parallel Sessions

11:30-12:30

Session 1 (Leibniz-Saal)

New metrics: concepts and use #2

Chair: Ulrich Schmoch

1

Measuring performance in complex science and technology strategies: A sociotechnical approach to indicator design

Sebastian Pfotenhauer, Danielle Wood, and Dava Newman

F1000 recommendations as a new data source for research evaluation: A comparison with citations

Ludo Waltman and Rodrigo Costas

11:30-12:30

Session 2 (Einstein-Saal)

Quality assurance #2

Chair: Jesper Schneider

2

Measuring the quality of PhD theses

Svein Kyvik and Taran Thune

**The Best Five – Do Authors' Assessments of their own Publications
Correspond to Metric Based Rankings?**

Marion Schmidt and Jörg Neufeld

12:30-12:45

Announcement of next conference(s) and Farewell (Leibniz-Saal)

12:45-13:30

Lunch (Leibniz-Saal)

13:30-14:30

ENID Assembly (Leibniz-Saal)

Supported by

Stifterverband
für die Deutsche Wissenschaft

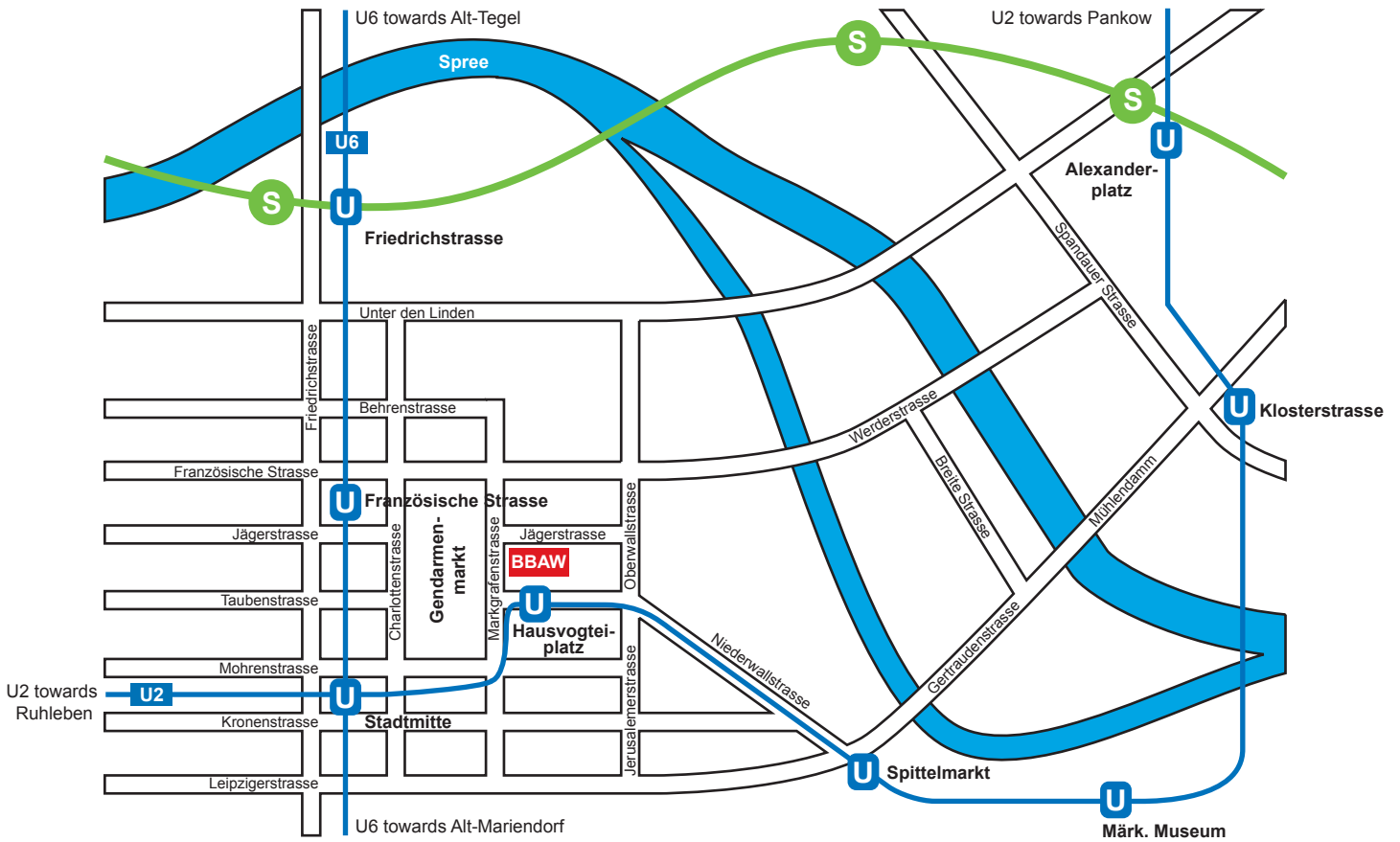


ELSEVIER



THOMSON REUTERS™

Berlin-Brandenburgische Akademie der Wissenschaften (BBAW)
Berlin-Brandenburg Academy of Sciences and Humanities
Markgrafenstr. 38 (near to Gendarmenmarkt)
10117 Berlin
Germany



If you are coming by car, we recommend you use one of the nearby car parks.

S-Bahn to Friedrichstrasse
U2 to Hausvogteiplatz or Stadtmitte
U6 to Französische Strasse or Stadtmitte