

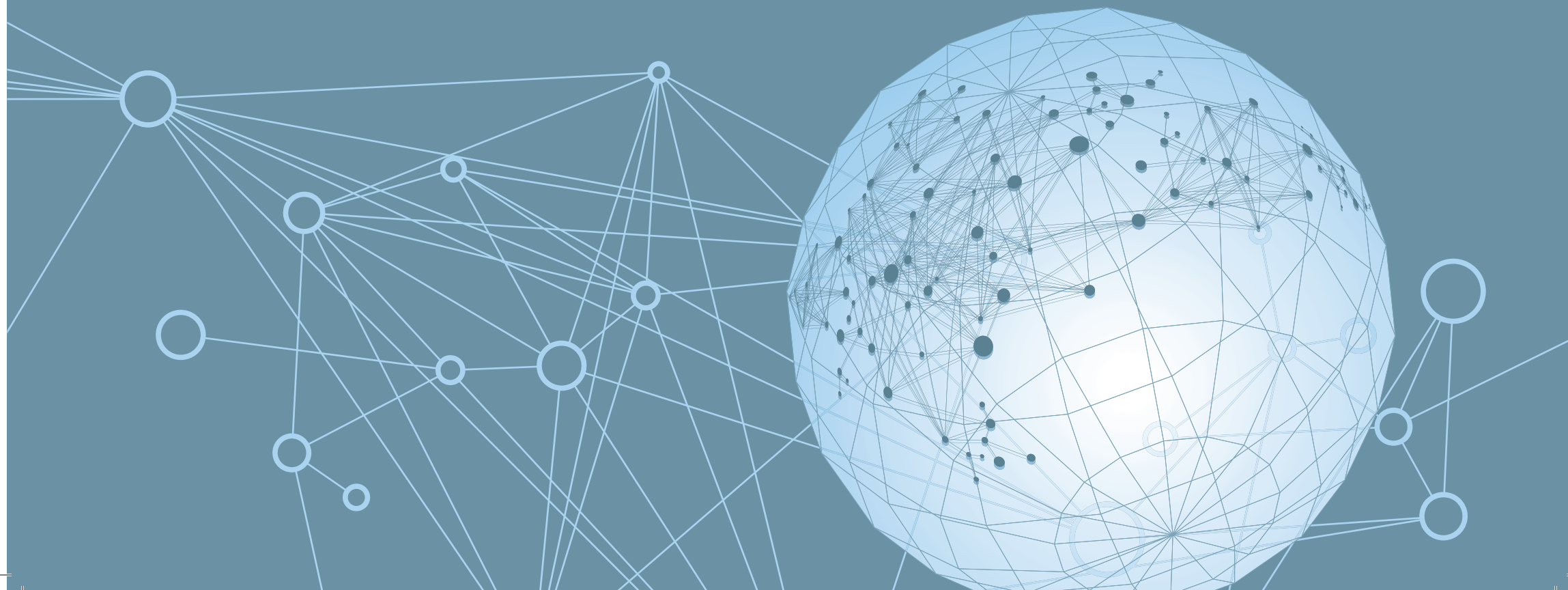


# STI 2014 Leiden

*Program of the science and technology indicators conference 2014*

*“Context Counts: Pathways to Master Big and Little Data”*

*3 - 5 September 2014 in Leiden, the Netherlands*



## Wednesday 3 September

09:00	Opening of the conference and keynote Peter Dahler-Larsen		
	Aalmarkt		
	<p><b>Chair: Ed Noyons</b></p> <p><b>Willem te Beest</b> Welcome to Leiden University</p> <p><b>Paul Wouters</b> Welcome to STI 2014</p> <p><b>Peter Dahler-Larsen</b> Constitutive Effects of Performance Indicator Systems</p>		
10:30	Coffee / tea break		
10:40	Exploring citation impact	10:45	Research evaluation processes
	Aalmarkt		Breezaal
	<p><b>Chair: Wolfgang Glanzel</b></p> <p><b>Jesper W. Schneider and Rodrigo Costas</b> Identifying potential 'breakthrough' research articles using refined citation analyses: Three explorative approaches</p> <p><b>Richard Klavans, Kevin W. Boyack, Henry Small, Aaron A. Sorensen and John P. A. Ioannidis</b> Indicators of Innovative Research</p> <p><b>Stefanie Haustein, Vincent Larivière and Katy Börner</b> Long-distance interdisciplinary research leads to higher citation impact</p>		<p><b>Chair: Judit Bar-Ilan</b></p> <p><b>Gemma Derrick, Ingeborg Meijer and Eric van Wijk</b> Unwrapping "impact" for evaluation: A co-word analysis of the UK REF2014 policy documents using VOSviewer</p> <p><b>Per Ahlgren</b> The SNIP indicator in relation to the Norwegian model</p>
		10:45	Social sciences and humanities (1)
			Kleine foyer
			<p><b>Chair: Ulle Must</b></p> <p><b>Fereshteh Didegah and Mike Thelwall</b> Article Properties Associating with the Citation Impact of Individual Articles in the Social Sciences</p> <p><b>Christian Gumpenberger, Johannes Sorz, Martin Wieland and Juan Gorraiz</b> Humanities in the bibliometric spotlight - Research output analysis at the University of Vienna and considerations for increasing visibility</p>

## List of posters from Poster Sessions 1

In alphabetical order (1/3)

**Adrián A. Díaz-Faes, M<sup>a</sup> Purificación Galindo and María Bordons -**  
Exploring internationality and collaborative behaviour of scientists in Social Sciences and Humanities

**Sibele Fausto and Tiago Murakami**  
- Extracting and sharing data citations from Google Scholar for collaborative exploitation

**Gaizka Garechana, Rosa Río-Belver, Ernesto Cilleruelo-Carrasco and Javier Gavilanes-Trapote -** Effects of cuts in R&D investment in the quality and quantity of the research output of Spanish universities.

**Renata Cristina Gutierrez Castanha, Carla Mara Hilário and Maria Cláudia Cabrini Grácio -** International scientific collaboration index: an analysis of Brazilian science (1980-2009)

**Saeed-Ul Hassan and Peter Haddawy**  
- Semantic Analysis of Knowledge Flows using Scientific Literature



**STI 2014** Leiden

## Wednesday 3 September

	<b>Kevin W. Boyack and Richard Klavans</b> Atypical combinations are confounded by disciplinary effects		<b>A. I. M. Jakaria Rahman, Raf Guns, Ronald Rousseau and Tim C.E. Engels</b> Assessment of expertise overlap between an expert panel and research groups		<b>Cristina Restrepo-Arango and Jane M. Russell</b> Methodological Proposal for Evaluating Performance of Social Science Researchers in Mexico
12:10	Behavior of scientists	12:00	Usage data and citations	12:00	Social sciences and humanities (2)
	Aalmarkt		Breezaal		Kleine foyer
	<b>Chair: Sarah de Rijcke</b>  <b>Jesper W. Schneider, Kaare Aagaard and Carter W. Bloch</b> What happens when funding is linked to (differentiated) publication counts? New insights from an evaluation of the Norwegian Publication Indicator  <b>Thed N van Leeuwen and Marc Luwel</b> An in-depth analysis of retracted papers in the Web of Science  <b>Philippe Mongeon and Vincent Larivière</b> The consequences of retractions for co-authors: scientific fraud and error in biomedicine		<b>Chair: Bluma c. Peritz</b>  <b>Wolfgang Glänzel and Sarah Heeffer</b> Cross-national preferences and similarities in downloads and citations of scientific articles: A pilot study  <b>Gali Halevi and Henk Moed</b> Usage patterns of scientific journals and their relationship to citations  <b>Steve Love</b> Measuring Emerging Scientific Impact and Current Trends: A Comparison of Altmetric and Hot Papers Indicators		<b>Chair: Ülle Must</b>  <b>Ad Prins, Rodrigo Costas, Thed Van Leeuwen and Paul Wouters</b> Using Google Scholar in research evaluation of social science programs, with a comparison with Web of Science data  <b>Gunnar Sivertsen</b> Scholarly publication patterns in the social sciences and humanities and their coverage in Scopus and Web of Science
13:15	Lunch				

## List of posters from Poster Sessions 1

In alphabetical order (2/3)

### Dorte Henriksen and Jesper Schneider

- Is the publication behavior of Danish researchers affected by the national Danish publication indicator? A preliminary analysis

### Michael Khor and Ligen Yu

- How has International Collaboration been beneficial to Young Universities? A Case Study

### Diana Lucio-Arias and Sandra Carolina Rivera

- Characterizing collaborations with bibliometric measures: enhancing descriptive indicators and co-authorship data

### Valentina Markusova, Alexander Libkind, Levan Mindeli and Ed Noyons

- Russian Universities Collaboration with Domestic and Foreign Funding Agencies

### Fernanda Morillo, Borja González-Albo and Luz Moreno

- Public-private co-publications beyond university-industry links

### Carolina Rivera-Torres and Marcela Galvis-Restrepo

- Analysing human resources and knowledge production in Colombian universities



STI 2014 Leiden

## Wednesday 3 September

14:15	Poster session 1
15:15	Invited lecture: CitNetExplorer
	Aalmarkt
	<b>Chair: Ed Noyons</b>  <b>Nees Jan Van Eck and Ludo Waltman</b> CitNetExplorer: A new software tool for analyzing and visualizing citation networks
15:45	Coffee / tea break
16:00	Special: Quality standards for evaluation indicators: Any chance for the dream to come true?
	Aalmarkt
	<b>Ismael Rafols, Paul Wouters and Sarah de Rijcke</b> Quality standards for evaluation indicators: Any chance for the dream to come true?
18:00	Reception at Leiden Town Hall

## List of posters from Poster Sessions 1

In alphabetical order (3/3)

**Nicolas Robinson-García, Evaristo Jimenez-Contreras and Clara Calero-Medina** - The impact of a few: The effect of alternative formulas for recruiting talent in a non-competitive system

**Antoine Schoen, Catherine Paradeise, Lionel Cauchard and Marianne Noël** - A double shift in researchers' activity profiles. An actor-based analysis of the making of quality in high standing academic departments

**Nobuyuki Shirakawa and Takao Furukawa** - Invisible College Ranking: An Empirical Study of How Chinese Graduate Student Mobility Underpins Research Universities

**Tung-Fei Tsai-Lin, Yuan-Chieh Chang and Bernhard Katzy** - The impact of academic patenting on publication performance: The multi-dimensional framework

**Lorna Wildgaard** - The effects of 'ready to use' bibliometric indicators



**STI 2014** Leiden

## Thursday 4 September

09:00	Keynote adress Eppo Bruins							
	Aalmarkt							
	<b>Chair: Robert Tijssen</b>  <b>Dr Eppo Bruins</b> Quality Indicators for the Applied and Technological Sciences							
09:30	Studies of funding systems (1)		09:30	Innovation studies		09:30	Careers and trajectories	
	Aalmarkt			Breezaal			Kleine foyer	
	<b>Chair: Ghislaine Filliatreau</b>  <b>Benedetto Lepori, Barbara Heller-Schuh, Thomas Scherngell and Michael Barber</b> Understanding factors influencing participation in European programs of Higher Education Institutions  <b>Nicolas Carayol and Marianne Lanoe</b> The Impact of Blue Skye Project Based Funding of Academic Research  <b>Daniele Rotolo, Michael Hopkins and Nicola Grassano</b> Do Funding Sources Complement or Substitute? The Case of the UK Cancer Research  <b>Ulf Sandstrom, Peter Van Den Besselaar and Ulf Heyman</b> The Complex Relationship between Competitive Funding and Performance			<b>Chair: Per Ahlgren</b>  <b>Franz Barjak and Marc Bill</b> Paving the way for a new composite indicator on business model innovations  <b>Loet Leydesdorff, Floortje Alkemade and Gaston Heimeriks</b> Patents as Instruments for Exploring Innovation Dynamics: Different Perspectives on “Photovoltaic Cells”  <b>Gaston Heimeriks, Floortje Alkemade, Antoine Schoen, Lionel Villard and Patricia Laurens</b> Patterns of Globalisation: Geographical, Sectoral and Technological Developments in Corporate Invention.  <b>Joaquín M. Azagra-Caro and Elena M. Tur</b> Differences between examiner and applicant citations in the European Patent Office: a first approach			<b>Chair: Emanuela Reale</b>  <b>Inge van der Weijden and Clara Calero Medina</b> Gender, Academic Position and Scientific Publishing: a bibliometric analysis of the oeuvres of researchers  <b>Hanne Derycke, Katia Levecque, Noëmi Debacker, Karen Vandavelde and Frederik Anseel</b> Factors influencing PhD students’ scientific productivity  <b>Held Souza and Vincent Larivière</b> The contribution of the postdoctoral fellows to the advancement of knowledge  <b>Cathelijn Waaijer</b> The influence of career perspectives on the job choice of recent PhD graduates: a survey of five Dutch universities	
11:00	Coffee / tea break							

## List of posters from Poster Sessions 2

In alphabetical order (1/2)

**Mehmet Abdulhayoglu and Bart Thijs**  
- Enrichment of Bibliometric Databases by Assigning Region Information by means of the Web

**Bruno Henrique Alves and Ely Francina Tannuri Oliveira** - Theoretical foundations and applications: a study of normalized indicators Salton's Cosine and Jaccard Index in Author Co-citation Analysis

**Maria Cláudia Cabrini Grácio and Ely Francina Tannuri de Oliveira** - Normalized Citation Indexes: a theoretical methodological study applied to science

**Pei-Shan Chi** - Citations between books and journals in political science

**Cinzia Daraio, Flavia Di Costa and Henk F. Moed** - Towards Concordance Tables of Different Subject Classification Systems

**Paul Donner** - Enhanced self-citation detection by fuzzy author name matching

**Sibele Fausto and Rogério Mugnaini** - Beyond traditional metrics at the University of São Paulo: scientific production in the PLOS journals

**Peter Haddawy and Saeed-UI Hassan** - A Comparison of Three Prominent Journal Metrics with Expert Judgement of Journal Quality



**STI 2014** Leiden

## Thursday 4 September

11:15	<b>Studies of funding systems (2)</b>	11:15	<b>University-Industry collaboration</b>	11:15	<b>Research teams</b>
	<b>Aalmarkt</b>  <b>Chair: Ghislaine Filliatreau</b>  <b>Aparna Basu</b> A typology of countries based on efficiency of publication and patenting with respect to manpower and expenditure  <b>Gemma Derrick</b> Intentions and strategies for evaluating the societal impact of research: Insights from REF2014 evaluators		<b>Breezaal</b>  <b>Chair: Kevin Boyack</b>  <b>Poh Kam Wong and Annette Singh</b> A Preliminary Examination of the Relationship between Co-Publications with Industry and Technology Commercialization Output of Academics: The Case of the National University of Singapore  <b>Alfredo Yegros-Yegros, Joaquín M. Azagra-Caro, Mayte López-Ferrer and Robert J.W. Tijssen</b> Do University-Industry co-publication volumes correspond with university funding from business firms?  <b>Alfredo Yegros-Yegros and Robert J.W. Tijssen</b> University-Industry dual appointments: global trends and their role in the interaction with industry		<b>Kleine foyer</b>  <b>Chair: Clara Calero Medina</b>  <b>Rickard Danell</b> The contribution of authors: A study of the relationship between the size and composition of author teams  <b>Jian Wang and Diana Hicks</b> The organization of science: teams and networks  <b>Masatsura Igami and Sadao Nagaoka</b> Exploring the effects of the motivation of a research project on the research team composition, management, and outputs
12:30	<b>Lunch</b>			12:30	<b>ENID members meeting</b>  <b>ENID</b> Assembly

## List of posters from Poster Sessions 2

In alphabetical order (2/2)

**Naeyang Jeong, Jun Young Lee and Dae Nyoung Heo** - Constructing Composite Indicators of Basic Research: Conceptual Issues

**Jun Young Lee, Naeyang Jeong, Kyoung Hun Kim, Dae Nyoung Heo and Choong Han Song** - Performance Analysis of Major Basic Science Research Institutes By Bibliometric Methods : The Status of Basic Science Research in Korea and Establishment of IBS

**Loet Leydesdorff, Felix de Moya-Anegón and Wouter de Nooy** - Scopus and Web-of-Science 2012 compared in terms of aggregated journal-journal citation relations: global maps and interactive overlays

**Yuxian Liu and Cong Cao** - Media coverage of genetically modified foods in China

**Sabrina Petersohn** - Using bibliometrics in research evaluation and research support - Academic librarians as professional providers of bibliometric services

**Ronald Rousseau** - Skewness for journal citation curves

**Ayaka Saka** - Comparison of the number of unique corresponding authors estimated using their e-mail addresses

## Thursday 4 September

13:30	Poster session 2		
14:30	Keynote address Henk Moed		
	Aalmarkt		
	<p><b>Chair: Thed van Leeuwen</b></p> <p><b>Henk Moed and Gali Halevi</b> Metrics-Based Research Assessment</p>		
15:00	Altmetrics applications	15:00	Gender Studies
	Aalmarkt		Breezaal
	<p><b>Chair: Henk Moed</b></p> <p><b>Zohreh Zahedi, Rodrigo Costas and Paul Wouters</b> Broad altmetric analysis of Mendeley readerships through the academic status of the readers of scientific publication</p> <p><b>Jonathan Levitt and Mike Thelwall</b> Investigating the Impact of the Award of the Nobel Prize on Tweets</p> <p><b>Judit Bar-Ilan and Inge van der Weijden</b> Altmetric gender bias? – Preliminary results</p> <p><b>Peter Kraker, Philipp Weißensteiner and Peter Brusilovsky</b> Altmetrics-based Visualizations Depicting the Evolution of a Knowledge Domain</p>		<p><b>Chair: Jane Russel</b></p> <p><b>Adèle Paul-Hus, Rébecca L. Bouvier, Chaoqun Ni, Cassidy R. Sugimoto, Vladimir Pisljakov and Vincent Larivière</b> Women and science in Russia: a historical bibliometric analysis</p> <p><b>Inge van der Weijden, Zohreh Zahedi, Ulle Must and Ingeborg Meijer</b> Gender differences in societal orientation and output of individual scientists</p> <p><b>Cassidy Sugimoto, Chaoqun Ni, Jevin West and Vincent Larivière</b> Innovative women: an analysis of global gender disparities in patenting</p>
		15:00	New algorithms
			Kleine foyer
			<p><b>Chair: Jesper Schneider</b></p> <p><b>Daniel Sirtes and Mathias Riechert</b> A Fully Automated Method for the Unification of Funding Organizations in the Web of Knowledge</p> <p><b>Raf Guns</b> Pruning cooccurrence networks</p> <p><b>Emiel Caron and Nees Jan van Eck</b> Large scale author name disambiguation using rule-based scoring and clustering</p>

## Thursday 4 September

16:15	Coffee / tea break				
16:45	Special event: Roundtable on three data-driven projects	16:30	Research evaluation methods	16:30	Data sources
	Aalmarkt		Breezaal		Kleine foyer
	<p><b>Chair: Sybille Hinze</b></p> <p><b>Ben Jongbloed, Benedetto Lepori and Paul Wouters Mads Gravas</b> Roundtable on three data-driven multi-country/multi-university projects: ETER, U-Multirank and the Leiden Ranking</p>		<p><b>Chair: Gemma Derrick</b></p> <p><b>Tindaro Cicero, Marco Malgarini and Sergio Benedetto</b> Research quality, characteristics of publications and socio-demographic features of Universities and Researchers: evidence from the Italian VQR 2004-2010 evaluation exercise</p> <p><b>Jordi Molas-Gallart, Pablo D'Este Rafols, Oscar Llopis and Ismael Rafols</b> Towards an alternative framework for the evaluation of translational research initiatives</p> <p><b>Matthew Wallace and Ismael Rafols</b> Characterizing the research landscape of Influenza A: new tools to inform policymaking</p>		<p><b>Chair: Gali Halevi</b></p> <p><b>Tommaso Ciarli, Ismael Rafols and Oscar Llopis</b> The under-representation of developing countries in the main bibliometric databases: a comparison of rice studies in the Web of Science, Scopus and CAB Abstracts</p> <p><b>Daniel Torres-Salinas, Evaristo Jiménez-Contreras and Nicolas Robinson-García</b> How many citations are there in the Data Citation Index?</p>
19:00	Conference diner at Scheltema (voucher required)				



## Friday 5 September

09:00	Keynote address Diana Hicks		
	Aalmarkt		
	<b>Chair: Paul Wouters</b>  <b>Prof Diana Hicks</b> Grand Challenges		
09:30	RISIS Special: Access to Data	09:30	Special: How to deal with Bibliometric Services
	Aalmarkt		Breezaal
	Access to Data: Research Infrastructures balancing between Integrated and Distributed Facilities  <b>Panel:</b> Stefan Hornbostel Diana Hicks Gunnar Sivertsen Marc Luwel Peter van den Besselaar Jonathan Adams (to be confirmed)		<b>Gusta Drenthe, Gert Goris, Judith Gulpers and Wouter Gerritsma</b> How to deal with Unsettling Realities of Bibliometric Services in Universities
09:30	Patent analysis		
	Kleine foyer		
	<b>Chair: Ingeborg Meijer</b>  <b>Koen Jonkers and Catalina Martinez</b> Genetic patents in plant biotechnology  <b>Yuen Ping Ho and Poh-Kam Wong</b> Using Patent Indicators to Evaluate the Strategic Priorities of Public Research Institutions: An exploratory study		
10:45	Coffee / tea break		

## Friday 5 September

11:00	Evaluation of individuals (1)	11:00	RISIS introduction & facilities session	11:00	Disciplines and interdisciplinarity
	Aalmarkt		Breezaal		Kleine foyer
	<p><b>Chair: Alesia Zuccala</b></p> <p><b>Bart Thijs, Koenraad Debackere and Wolfgang Glänzel</b> Improved author profiling through the use of citation classes</p> <p><b>Antonio Perianes-Rodriguez and Javier Ruiz-Castillo</b> Within and across department variability in individual productivity. The case of economics</p> <p><b>Rodrigo Costas and Ed Noyons</b> From publications to people: bibliometric benchmarking of a selection of countries in the Life Sciences based on individual-level bibliometrics</p>		<p><b>Matthias Weber</b> The RISIS initiative</p> <p><b>Special event</b> Poster session: RISIS facilities</p>		<p><b>Chair: Nadine Rons</b></p> <p><b>Edgar Schiebel, Ivana Roche, Dominique Besagni, Claire Francois and Marianne Hörlesberger</b> A textual approach to measure the interdisciplinary character of research proposals for ERC starting grants</p> <p><b>Elizabeth Koier and Edwin Horlings</b> How accurately does output reflect the nature and design of transdisciplinary research programmes?</p> <p><b>Irene Bongioanni, Cinzia Daraio, Henk Moed and Giancarlo Ruocco</b> Disciplinary Profiles and Performance of Research Systems: a World Comparison at the Country level</p>
12:15	Lunch + Best poster award				
	Chair: Inge vd Weijden				

## Friday 5 September

13:30	Evaluation of individuals (2)	13:30	Field analysis	13:30	Citation analysis normalization
	Aalmarkt		Breezaal		Kleine foyer
	<p><b>Chair: Alesia Zuccala</b></p> <p><b>Lorna Wildgaard and Birger Larsen</b> Lorna Wildgaard and Birger Larsen</p> <p><b>Nadine Rons</b> Investigation of Partition Cells as a Structural Basis Suitable for Assessments of Individual Scientists</p>		<p><b>Chair: Jacqueline Leta</b></p> <p><b>Lili Wang, Jojo Jacob and Zibiao Li</b> Funding for some, spills for others: Explaining the emergence of nanotechnology in Chinese regions</p> <p><b>Mirjam Schomaker and Ed Noyons</b> A methodological study to structure liquid biofuel science and put its publication dynamics into context</p> <p><b>Daniele Rotolo, Michael Hopkins, Ismael Rafols and Stuart Hogarth</b> The Emergence of Molecular Biology in the Diagnosis of Cervical Cancer: A Network Perspective</p>		<p><b>Chair: Ton van Raan</b></p> <p><b>Javier Ruiz-Castillo and Ludo Waltman</b> Field-normalized citation impact indicators using algorithmically constructed classification systems of science</p> <p><b>John Chase and Scott Cunningham</b> Putting citation in its place: Exploring the role of geography in publication impact</p> <p><b>Javier Ruiz-Castillo and Rodrigo Costas</b> The skewness of scientific productivity</p>
14:45	Coffee / tea break				
15:00	Special: Are you being evaluated? Need for new approaches in evaluation practices				
	Aalmarkt				
	<p><b>Judit Bar-Ilan, Paul Wouters, Dana Mietzner, Inge van der Weijden, Isidro Aguillo, Clifford Tatum and Lorna Wildgaard</b> Are you being evaluated? Need for new approaches in evaluation practices</p>				
16:15	Closing of the conference				
	Aalmarkt				
	Chair: Paul Wouters				
17:15	City tour by boat (voucher required)				



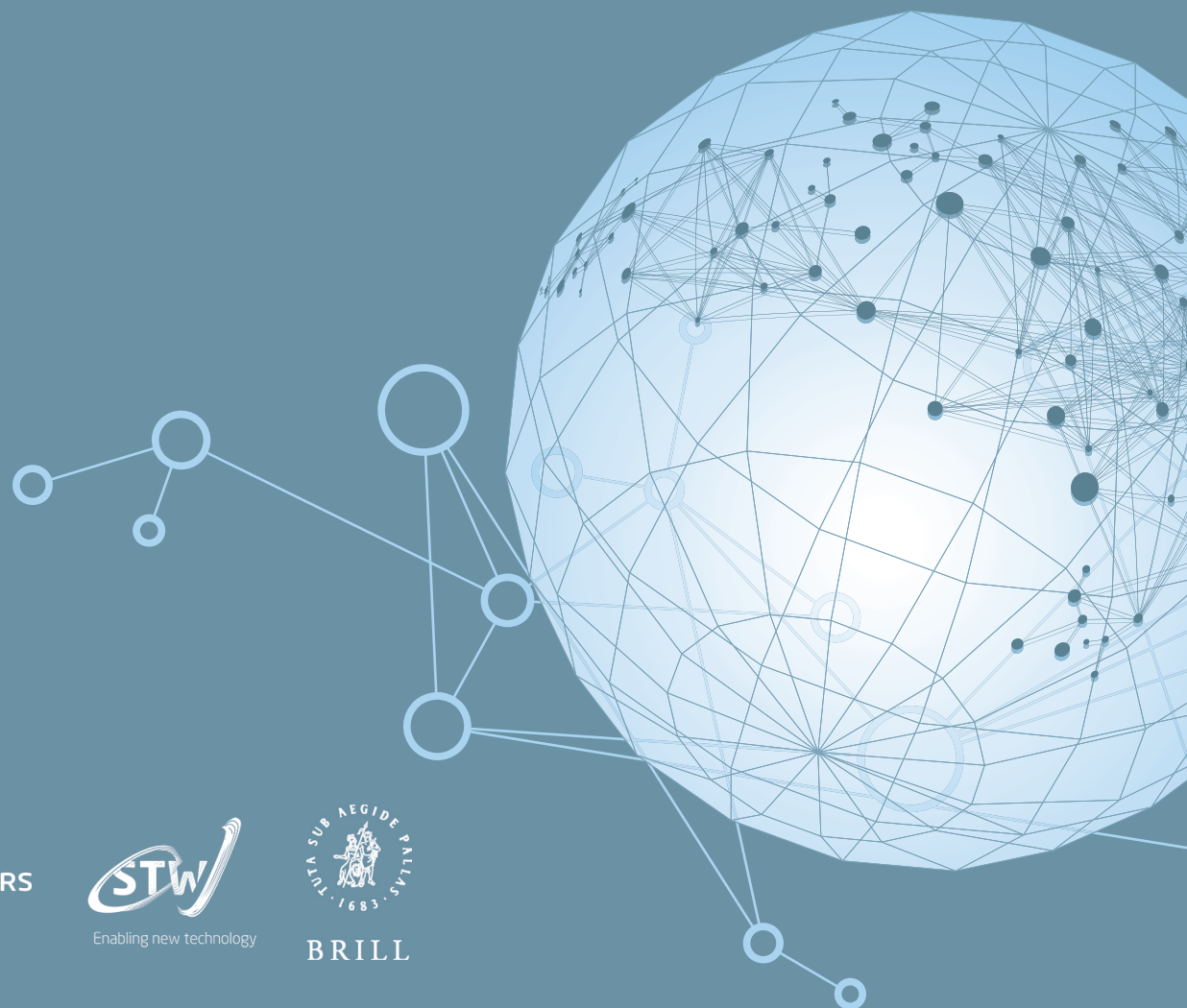
# STI 2014 Leiden

## Context counts: Pathways to master big and little data

*Preliminary program for the 2014 International conference of Science and Technology Indicators (STI 2014). The STI 2014 conference is organized under the auspice of the European Network of Indicator Designers (ENID) and hosted by the Centre for Science and Technology Studies (CWTS), Leiden University. This edition will focus on the 'social science of STI indicators', 'the context in which indicators function', and 'the increased availability of data for indicators'.*

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