



# STI Conference 2016 · València

Peripheries, frontiers and beyond

València, 14 · 16 September 2016

## FULL PRELIMINARY PROGRAMME

[14/09/2016]

### 14 SEPTEMBER

<b>8.30-13.00</b>	<b>REGISTRATION</b>
<b>9.00-10.30</b>	<b>Opening session and 1st Plenary session.</b> Welcome to STI2016 - Jordi Molas-Gallart (Ingenio –CSIC-UPV) Welcome to the Universitat Politècnica de València - Francisco J. Mora Mas, Rector Keynote Lecture: “The Power of Numbers: a critical review of MDG targets for Human Development.” Prof. Sakiko Fukuda-Parr (The New School, New York, US)
<b>10.30-11.00</b>	<b>COFFEE BREAK</b>
<b>11.00-12.30</b> <b>[Room 1]</b>	<b>Parallel sessions 1</b> <b>1.1 SPECIAL TRACK 6 · Smart use of indicators for innovation policy.</b> Chair: Hugo Hollanders & Lili Wang <ul style="list-style-type: none"><li>• <i>Introduction</i> – Hugo Hollanders</li><li>• <i>Innovation indicators: Towards a User’s guide</i> – Michiko Iizuka, Hugo Hollanders</li><li>• <i>Analyzing innovation policy indicators through a functional approach: the aeronautic industry case</i> – Carolina Resende Haddad, Mauricio Maldonado Uriona</li><li>• <i>Assessing the performance of national innovation systems in Europe</i> – Jon Mikel Zabala-Iturriagoitia</li></ul>
<b>[Room 2]</b>	<b>1.2 Indicators, evaluation and policy</b> Chair: Jesper Schneider <ul style="list-style-type: none"><li>• <i>Outlining an analytical framework for mapping research evaluation landscapes</i> – Fredrik Åström</li><li>• <i>When the Brightest are not the Best</i>– Marco Valente</li><li>• <i>Retraction: the other face of research collaboration</i> – Li Tang</li><li>• <i>The process of construction of evidences: An analysis of the use of indicators in two decisions of innovation policy</i> – Nuno F.F.G. Boavida</li></ul>
<b>[Room 3]</b>	<b>1.3 Reward systems</b> <ul style="list-style-type: none"><li>• <i>The reward (eco)system of science: More than the sum of its parts? – A Special Fishbowl session.</i> Nadine Desrochers, Stefanie Haustein, Juan Pablo Alperin, Timothy D. Bowman, Adrián A. Díaz-Faes, Vincent Larivière, Philippe Mongeon, Adèle Paul-Hus, Anabel Quan-Haase, Elise Smith,</li></ul>
<b>[Room 4]</b>	<b>1.4 Knowledge Exchange</b> Chair: Jan Youtie <ul style="list-style-type: none"><li>• <i>Knowledge integration through collaboration: building indicators using the Diversity/coherence and Proximity frameworks</i> – Frédérique Lang, Ismael Rafols, Michael Hopkins</li><li>• <i>Using a network-based approach to identify interactions structure for innovation in a low-technology intensive sector</i> – Camille Aouinaït</li></ul>

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	<ul style="list-style-type: none"> <li>• <i>Interdisciplinary and transdisciplinary institutions: do they constitute peripheries among cultures?</i> – Bianca Vienni, Ulli Vilsmaier</li> <li>• <i>“Putting in more than you take out”. Towards evaluating research based on its public (not private) contributions</i> – Paul Benneworth, Julia Olmos Peñuela, Elena Castro Martínez</li> </ul>
<b>[Room 5]</b>	<p><b>1.5 Careers and labour market</b>            Chair: Peter Van den Besselaar</p> <ul style="list-style-type: none"> <li>• <i>Survey on the Labour Market Position of PhD Graduates</i> – Julia Heuritsch, Cathelijn Waaijer, Inge van der Weijden</li> <li>• <i>Beyond the indicators: formulation of the career strategies of scientists</i> – Eva Palinko</li> <li>• <i>Exploring predictors of scientific performance with decision tree analysis: The case of research excellence in early career mathematics</i> – Jonas Lindahl</li> <li>• <i>Stability and longevity in the publication careers of U.S. doctorate recipients</i> – Cathelijn Waaijer, Benoît Macaluso, Cassidy Sugimoto, Vincent Larivière</li> </ul>
<b>[Room 6]</b>	<p><b>1.6 Gender <i>Special session on</i></b>  <i>Gender in science: a periphery?</i>            Chair: Inge van der Weijden</p> <ul style="list-style-type: none"> <li>• <i>Gender equality and evaluation: do fields of science matter?</i> Emanuele Reale, Antonio Zinilli</li> <li>• <i>Scientific and technological output of women and men</i> Rainer Frietsch, Susanne Bühner, Patricia Helmich</li> <li>• <i>Gender and International Mobility of European Researchers</i> Carolina Cañibano, Mary Frank Fox and F. Javier Otamendi</li> <li>• <i>Gender differences and the role of research grants.</i> Carter Bloch, Evanthia K. Schmidt</li> <li>• <i>Gender structured universities and their impact on mental health: a focus on PhD students in Flanders.</i> Katia Levecque &amp; Frederik Anseel</li> <li>• <i>Gender differences in careers after receiving a personal grant.</i> Inge van der Weijden &amp; Ingeborg Meijer</li> </ul>
<b>[Room 7]</b>	<p><b>1.7 Citation Impact</b>            Chair: Rogério Mugnaini</p> <ul style="list-style-type: none"> <li>• <i>Determinants of citation impact: A comparative analysis of the Global South versus the Global North</i> – Hugo Confraria</li> <li>• <i>Web of science coverage and scientific performance of Central and Eastern European countries</i> – Adam Ploszaj, Agnieszka Olechnicka</li> <li>• <i>Does size matter? An investigation of how department size and other organizational variables influence on publication productivity and citation impact</i> – Dag W Aksnes, Kristoffer Rørstad, Fredrik N Piro</li> <li>• <i>Do usage and scientific collaboration associate with citation impact?</i> – Pei-Shan Chi, Wolfgang Glänzel</li> </ul>
<b>12:30-14:30</b>	<b>Poster session 1</b>
<b>13:00-14:30</b>	LUNCH
<b>14:30-16:00</b>	<b>Parallel sessions 2</b>
<b>[Room 1]</b>	<p><b>2.1 Resource distribution and research contents</b>            Chair: Jochen Gläser</p> <ul style="list-style-type: none"> <li>• <i>Unveiling Research Agendas: a study of the influences on research problem selection among academic researchers</i> – Mariela Bianco, Judith Sutz</li> <li>• <i>“If we come out with the wrong answer that may affect investments”:</i> Exploring how evaluators were influenced by political considerations during the assessment of societal impact – Gabrielle Samuel, Gemma Derrick</li> <li>• <i>Must Metrics Serve the Audit Society? Addressing Marketization in Open Access Publishing and Humanities Analytics</i> – Christopher Newfield,</li> </ul>

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	<p>Christopher Muellerleile</p> <ul style="list-style-type: none"> <li>• <i>Allocating organisational level funding on the basis of Research Performance Based assessments, a comparative analysis of the EU Member States in international perspective</i> – Koen Jonkers, Thomas Zacharewicz, Benedetto Lepori, Emanuela Reale</li> </ul>
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<b>[Room 2]</b>	<p><b>2.2 Special session on multiplying methods in the field of research evaluation –</b> Chair: Inge van der Weijden Introduction &amp; recap: Gemma Derrick Provocation: Paul Wouters Demonstrations in pairs:</p> <ul style="list-style-type: none"> <li>• Wolfgang Kaltenbrunner &amp; Michael Ochsner</li> <li>• Ingeborg Meijer &amp; Irene Ramos Vielba</li> <li>• Rogerio Mugnaini &amp; Nadine Desrochers</li> <li>• Next steps: Gemma Derrick, Jordi Molas-Gallart and Sarah de Rijcke</li> </ul>
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<b>[Room 3]</b>	<p><b>2.3 Special Track 6 · Smart use of indicators for innovation policy.</b> Chair: Hugo Hollanders &amp; Lili Wang</p> <ul style="list-style-type: none"> <li>• <i>Evidence-based policy learning: the case of the Research Excellence Indicator</i> – Sjoerd Hardeman, Daniel Vertesy</li> <li>• <i>Who sets up the bridge? Tracking scientific collaborations between China and the European Union</i> – Lili Wang</li> <li>• <i>A case study about the Colombian Observatory of Science and Technology: between context relevant and internationally comparable indicators</i> – Mónica Salazar</li> </ul>
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<b>[Room 4]</b>	<p><b>2.4 Special Track 1 · Data infrastructure and data quality for evolving research metrics.</b> Chair: Chris Keene</p> <ul style="list-style-type: none"> <li>• Introduction – Chris Keene</li> <li>• <i>On the Peripheries of Scholarly Infrastructure: A look at the Journals Using Open Journal Systems</i> – Juan Pablo Alperin, Kevin Stranack, Alex Garnett</li> <li>• <i>Why researchers publish in journals not indexed in mainstream databases: training, bridging and gap-filling</i> – Diego Chavarro, Puay Tang, Ismael Rafols</li> <li>• <i>Identifying Sources of Scientific Knowledge: classifying non-source items in the WoS</i> – Clara Calero Medina</li> </ul>
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<b>[Room 5]</b>	<p><b>2.5 Careers and labour market</b> Chair: Pablo D'Este</p> <ul style="list-style-type: none"> <li>• <i>Developing research career indicators using open data: the RISIS infrastructure</i> – Carolina Cañibano, Richard Woolley, Eric Iversen, Sybille Hinze, Stefan Hornbostel, Jakob Tesch</li> <li>• <i>On the extent of researcher mobility and indicators for mobility</i> – Stina Gerdes Barriere</li> <li>• <i>Progress on mobility and instability of research personnel in Japan: scientometrics on a job-posting database for monitoring the academic job market</i> – Hirotaka Kawashima, Yasuhiro Yamashita</li> <li>• <i>National and international scientific elites: an analysis of Chinese scholars</i> – Fei Shu, Vincent Larivière, Charles-Antoine Julien</li> </ul>
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<b>[Room 6]</b>	<p><b>2.6 Gender</b> Chair: Monica Gaughan</p> <ul style="list-style-type: none"> <li>• <i>What drives the gender gap in STEM? The SAGA Science, Technology and Innovation Gender Objectives List (STI GOL) as a new approach to linking indicators to STI policies</i> – Ernesto Fernández Polcuch, Martin Schaaper,</li> </ul>
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	<p>Alessandro Bello</p> <ul style="list-style-type: none"> <li>• <i>Picking the best publications to showcase graduate courses: Do institutional mechanisms reinforce gender differences?</i>– Jacqueline Leta, Guillaume Cabanac</li> <li>• <i>What factors influence scientific and technological output: A comparison of Thailand and Malaysia</i> – Catherine Beaudry, Carl St-Pierre</li> <li>•</li> </ul>
<b>[Room 7]</b>	<p><b>2.7 Citation Impact</b> Chair: Wolfgang Glänzel</p> <ul style="list-style-type: none"> <li>• <i>An approach for the condensed presentation of intuitive citation impact metrics which remain reliable with very few publications</i> – David Campbell, Chantale Tippett, Gregoire Cote, Guillaume Roberge, Eric Archambault</li> <li>• <i>A comparison of average-based, percentile rank, and other citation impact indicators</i> – Pedro Albarrán, Javier Ruiz-Castillo</li> <li>• <i>How does the scientific progress in developing countries affect bibliometric impact measures of developed countries? A counterfactual case study on China</i>– Stephan Stahlschmidt, Sybille Hinze</li> <li>• <i>The returns to scientific specialization</i> – Orion Penner, Gaétan de Rassenfosse</li> </ul>
<b>16:00-16:30</b>	<b>COFFEE BREAK</b>
<b>16:30-18:00</b>	<p><b>2nd plenary session.</b> Roundtable: <i>Infrastructures for Inclusive and Open Science and RISIS presentation</i> Chair: Ismael Ràfols, INGENIO(CSIC-UPV) Éric Archambault, Science-Metrix, Canada Chris Keene, JISC, UK Valentin Bogorov, Thomson-Reuters, Moscow, Russia Abel Packer, Scielo, Sao Paulo, Brazil Hebe Vessuri, IVIC, Venezuela Emanuela Reale, IRCRES, CNR, Italy</p>
<b>18:30-19:00</b>	Transfer to the cocktail site
<b>19:00-21:00</b>	<b>Welcome cocktail</b> [Sant Miquel dels Reis]

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## 15 SEPTEMBER

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### 09.00-10.30 Parallel sessions 3

	<p><b>3.1 Special Track 3 · Measuring diverse research “qualities”: indicators of societal impact, engagement, participation, and local relevance.</b> Chair: Judith Sutz</p> <ul style="list-style-type: none"> <li>• <i>Introduction</i> – Judith Sutz</li> <li>• <i>‘Productive interactions’ for societal impact: developing a research information system for agriculture (RIS-Agric) at Stellenbosch University, South Africa</i> – Nelius Boshoff, Harrie Esterhuyse</li> <li>• <i>Publication patterns in research underpinning impact in REF2014</i> – Jonathan Adams</li> </ul>
<b>[Room 1]</b>	

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<b>[Room 2 ]</b>	<p><b>3.2 University-Industry relations</b> Chair: Puay Tang</p>
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- *Measuring macro-level effects of the global economic recession on university-industry research cooperation* – Joaquín M. Azagra-Caro
- *Research and innovation in Lebanon: exploring the indicators & the dynamics of university-industry collaborations in Lebanon* – Rula Mae Atweh
- *Traces of academic engagement with industry: insights from Argentina* – Luis Gil Abinader, Ana Bossler
- *Mapping private R&D outputs: the contribution of top R&D companies to scientific literature* – Roberto Camerani, Daniele Rotolo, Nicola Grassano

### 3.3 Special Track 5 · Social sciences and the humanities.

Chair: Thed van Leeuwen

[Room 3]

- *Introduction* – Thed N. van Leeuwen
- *Indicators for research performance in the humanities? The scholars' view on research quality and indicators* – Michael Ochsner, Sven E. Hug
- *Lending an ear to SSH @ Vienna University* – Juan Gorraiz, Steve Reding, Johannes Sorz, Martin Wieland and Christian Gumpenberger
- *Quality criteria and indicators for research in theology – What to do with quantitative measures?* – Silvia Martens, Wolfgang Schatz

### 3.4 Special Track 1 · Data infrastructure and data quality for evolving research metrics.

Chair: Chris Keene

[Room 4]

- *Data quality and consistency in Scopus and Web of science in their indexing of Czech Journals* – Pavel Mika, Jakub Szarzec, Gunnar Sivertsen
- *Missing citations due to exact reference matching: analysis of a random sample from WoS. Are publications from peripheral countries disadvantaged?* – Paul Donner
- *Funding acknowledgements in the Web of science: inconsistencies in data collection and standardization of funding organizations* – Jeroen van Honk, Rodrigo Costas, Clara Calero-Medina
- *Open data in global environmental change: findings from the community* – Birgit Schmidt

### 3.5 Special Track 2 · International benchmarking of innovation: challenges and adequacy for developing and developed regions.

Chair: Luciana Marins

[Room 5]

- *Introduction* – Luciana Marins
- *The impact of methodology in innovation measurement* – Espen Solberg, Lars Wilhelmsen, Markus Bugge
- *A critical assessment of the quality and validity of composite indicators of innovation* – Daniel Vertesy
- *Innovation strategies in Latin American firms* – Fernando Vargas

### 3.6 Gender.

Chair: Jacqueline Leta

[Room 6]

- *Identifying the gender dimension in research content* – Chantale Tippet, David Campbell, Bastien St. Louis Lalonde, Eric Archambault, Julie Callaert, Katerina Mantouvalou, Lucy Arora
- *Gender differences in synchronous and diachronous self-citations* – Gita Ghiasi,

Vincent Larivière, Cassidy Sugimoto

- *Mapping the author gender-distribution of disease-specific medical research* – Jens Peter Andersen, Jesper Wiborg Schneider, Mathias Wullum Nielsen
- *Indicators for constructing scientific excellence: “Independence” in the ERC starting grant* – Helene Schiffbaenker, Florian Holzinger

**3.7 Citation Impact.**

Chair: Erjia Yan

[Room 7]

- *A comparison of the Web of science with publication-level classification systems of science* – Antonio Perianes-Rodriguez, Javier Ruiz-Castillo
- *Ranking journals using social choice theory methods: a novel approach in bibliometrics* – Fuad Aleskerov, Vladimir Pislyakov, Andrey Subochev
- *The performance and trend of China’s academic disciplines from 2006 to 2014* – Zhigang Hu
- *Comparing absolute and normalized indicators in scientific collaboration: a study in Environmental Science in Latin America* – Maria Cláudia Cabrini Grácio, Ely Francina Tannuri de Oliveira

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10.30-11.00 COFFEE BREAK

11.00-12.30 **Parallel sessions 4**

**4.1 Special Globelics session on** Lessons learned for priority setting and indicators relevant to the impact of research programmes in Europe and Emerging Economies. An evidence-based debate between the research and the policy-shaping community.

Chair: Yannis Caloghirou, Nicholas Vonortas

[Room 1]

- *Thirty years of European Collaboration in Research and Development: Policy-driven Research Networking and the presence of new knowledge-intensive entrepreneurial ventures.* Yannis Caloghirou, Aimilia Protogerou and Evangelos Siokas
- *STI Indicators for Emerging Economies: Experiences from Chile, Brazil and Peru.* Adriana Bin, Sergio Salles-Filho, Ana Maria Carneiro, Nicholas Vonortas, Juan Ernesto Sepulveda Alonso and Paula Felicio Drummond de Castro
- *Use of indicators for research and policy impact evaluation: evidence from Russia.* Konstantin Fursov and Stanislav Zaichenko

**4.2 Special Track 3 · Measuring diverse research “qualities”: indicators of societal impact, engagement, participation, and local relevance.**

Chair: Judith Sutz

[Room 2]

- *Societal impact metrics for non-patentable research in dentistry* – Diana Hicks, Kim Isett, Julia Melkers, Le Song, Rakshit Trivedi
- *The Evolution of Scientific Trajectories in Rice: Mapping the Relation between Research and Societal Priorities* – Tommaso Ciarli, Ismael Rafols
- *Research Quality Plus (RQ+) A Holistic Approach to Evaluating Research* – Robert McLean, Osvaldo Feinstein

**4.3 Special Track 5 · Social sciences and the humanities.**

Chair: Thed van Leeuwen

[Room 3]

- *The micropolitics of quantifying research output for evaluation in Dutch law schools* – Wolfgang Kaltenbrunner, Sarah de Rijcke
- *Social Impact Open Repository (SIOR). Transforming the peripheral space of social impact of research* – Mar Joanpere, Elvira Samano, Aitor Gómez

- *Je veux bien, mais me citerez-vous? On publication language strategies in an anglicized research landscape* – Nadine Desrochers, Vincent Larivière
- *Effects of performance-based research funding on publication patterns in the social sciences and humanities* – Raf Guns, Tim Engels

#### 4.4 Indicators and infrastructure.

Chair: Eric Archambault

[Room 4]

- *Examining data access and use in science* – Erjia Yan, Mengnan Zhao
- *SMS: a linked open data infrastructure for science and innovation studies* – Peter Van den Besselaar, Ali Khalili, Al Idrissou, Antonis Loizou, Stefan Schlobach, Frank Van Harmelen
- *Data Citation Policies of Data Providers within the scope of Longitudinal Studies in Life Course Research* – Anke Reinhold, Marc Rittberger, Nadine Mahrholz
- *Stepping up Information Infrastructures and Statistical Reporting – Monitoring the German Excellence Initiative* – Anke Reinhardt

#### 4.5 Special Track 2 · International benchmarking of innovation: challenges and adequacy for developing and developed regions.

Chair: Luciana Marins

[Room 5]

- *Innovation dynamics of Salvadoran agro-food industry from an evolutionary perspective* – Elías Humberto Peraza Castaneda, Guillermo Aleixandre Mendizábal
- *Elucidate Innovation Performance of Technology-driven Mergers and Acquisitions* – Lu Huang, Kangrui Wang, Huizhu Yu, Lining Shang, Liliana Mitkova
- *Measuring Innovation in Governments: Case Study of the UAE* – Sami Mahroum, Yasser Al-Saleh, Shatha Al Hashmi

#### 4.6 Society, participation and culture.

Chair: Julia Melkers

[Room 6]

- *Indicators for Assessing Responsible Research and Innovation Governance* – Gonzalo Ordonez-Matamoros, Stefan Kuhlmann
- *Operationalizing RRI: Relational Quality Assessment & Management Model for Research and Innovation Networks (REQUANET)* – Julieta Barrenechea, Andoni Ibarra
- *What knowledge counts? Insights from an action research project using participatory video with grassroots innovation experiences* – Alejandra Boni, Monique Leivas, Alba Talón, Teresa De la Fuente, Victoria Pellicer-Sifres, Sergio Belda-Miquel, Aurora López-Fogués, Begoña Arias
- *A proposal for measurement of science and innovation culture* – Asako Okamura

#### 4.7 Individual Performance.

Chair: María Bordons

[Room 7]

- *Information sources – information targets: evaluative aspects of the scientists' publication strategies* – Wolfgang Glanzel, Pei-Shan Chi, Christian Gumpenberger, Juan Gorraiz
- *How research funding affects research time and academic productivity: Evidence from university faculties in China* – Xi Yang

- *The Effect of Holding a Research Chair on Scientists' Impact* – Seyed Reza Mirnezami, Catherine Beaudry
- *Public-private collaboration and scientific impact: an analysis at the level of the individual researcher*. Carter Bloch, Thomas K. Ryan, Jens Peter Andersen

**4.8 Funding and EU collaboration.**

Chair: Philippe Larédo

- [Room 8]
- *Examining to What Extent Does the Source of Funding Matter for Scientific Impact. A Case Study of Danish EU FP7 Funded Projects* – Thomas Kjeldager Ryan, Jesper Wiborg Schneider
  - *The Determinants of National Funding in Trans-national Joint Research: Exploring the Proximity Dimensions* – Emanuela Reale, Andrea Orazio Spinello, Antonio Zinilli
  - *Beyond funding: What can acknowledgements reveal about credit distribution in science?* -- Adèle Paul-Hus, Adrián A. Díaz-Faes, Nadine Desrochers, Rodrigo Costas, Maxime Sainte-Marie, Benoît Macaluso and Vincent Larivière

**3rd plenary session.** Roundtable: Global collaboration networks: flat world or centre-periphery structure?

Chair: Richard Woolley

Jonathan Adams, Digital Science, London, UK

12.30-13.30 Rigas Arvanitis, director of IFRIS, IRD, Paris, France

Sami Mahroum, INSEAD Innovation and Policy Initiative, Abu Dhabi, United Arab Emirates

Mónica Salazar, InterAmerican Development Bank, Bogota, Colombia

13.30-14.30 LUNCH

14:30-16:00 **Parallel sessions 5**

**5.1 Special Track 5 · Social sciences and the humanities.**

Chair: Thed van Leeuwen

- [Room 1]
- *Developing appropriate methods and indicators for evaluation of research in the social sciences and humanities. Presentation of a new COST Action* – Jack Spaapen, Gunnar Sivertsen, Michael Ochsner, Julia Melkers, Tim Engels

**5.2 Special Track 3 · Measuring diverse research “qualities”: indicators of societal impact, engagement, participation, and local relevance.**

Chair: Judith Sutz

- [Room 2]
- *Impact of Research on Development in Cameroon: convergence between supply and research needs in the food sector* – Minkoua Jules René, Ludovic Temple
  - *Monitoring the Evolution and Benefits of Responsible Research and Innovation (MoRRI) – a preliminary framework for measuring RRI dimensions* – Niels Mejlgaard, Susanne Buehrer, Erich Griessler, Ralf Lindner, Nikos Maroulis, Ingeborg Meijer, Viola Peter, Ismael Rafols, Tine Ravn, Jack Stilgoe, Lena Tsipouri, Richard Woolley, Angela Wroblewski
  - *“All this grassroots, real life knowledge”*: Comparing perceived with realised concerns of including non-academic evaluators in societal impact assessment – Gemma Derrick, Gabrielle Samuel



**5.3 Special Session on Predicting STEM Career Success by STI Knowledge Utilization Patterns.**

Chair: Barry Bozeman, Jan Youtie

[Room 3]

- *Career Impacts of Cosmopolitan Collaboration.* Barry Bozeman, Monica Gaughan
- *Bounded Collaboration and Changing Core-Periphery Relationships in Sino-Russian Scientific Co-Production.* Abdullah Gök, Maria Karaulova, Philip Shapira
- *Going home: why do non-US citizens with US Ph.D. degrees return home?* Stuart Bretschneider
- *The credibility of policy reporting across learning disciplines.* Jan Youtie

**5.4 Special Session on Performance indicators for areas of innovation: international perspective**

Chair: Guilherme Ary Plonski

[Room 4]

- *A case study of Be'er Sheva Advanced Technology Park (ATP) in Israel.* Daphne Getz, Eliezer Shein
- *Porto Digital: an area of innovation as a lever to transform Recife in Brazil.* Guilherme Ary Plonski, Désirée M. Zouain
- *The influence of Science and Technology parks in Spain.* Andres Barge-Gil, Aurelia Modrego Rico

**5.5 Mission Oriented Research Health.**

Chair: Sandro Mendonça

[Room 5]

- *Using novel computer-assisted linguistic analysis techniques to assess the timeliness and impact of FP7 Health's research–* Vilius Stanciauskas
- *Professional impact –* Gustaf Nelhans
- *Technology push / market pull indicators in healthcare –* Irina Efimenko, Vladimir Khoroshevsky, Ed Noyons, Evgeny Nochevkin
- *Mapping the networks of cancer research in Portugal (1990-2015): initial results –* Oriana Rainho Brás, Jean-Philippe Cointet, João Arriscado Nunes, Leonor David, Alberto Cambrosio

**5.6 Text analysis.**

Chair: Stefan Hornbostel

[Room 6]

- *Breakout discoveries in science: what do they have in common? –* Jos Winnink, Robert J.W. Tijssen, Anthony F.J. van Raan
- *From university research to innovation – detecting knowledge transfer via text mining–* Sabrina Larissa Woltmann, Line H. Clemmensen, Lars Alkærsig
- *Predicting panel scores by linguistic analysis–* Peter Van den Besselaar

**5.7 Altmetrics.**

Chair: Stefanie Haustein

[Room 7]

- *Article-level metrics and the periphery: an exploration of articles by Brazilian authors –* Iara Vidal Pereira de Souza, Fabio Castro Gouveia
- *Can we use altmetrics at the institutional level? A case study analysing the coverage by research areas of four Spanish universities –* Daniel Torres-Salinas, Nicolas Robinson-Garcia, Evaristo Jiménez-Contreras
- *Enhancing methodology of altmetrics studies by exploring social media metrics for Economic and Business Studies journals –* Kaltrina Nuredini, Isabella Peters
- *Comparative study of Colombian Researchers according to data from Google Scholar, ResearchGate and the National System for Measurement Science*

(Colciencias) – Isidro F Aguillo, Alejandro Uribe-Tirado, Wilson López

16:00-16:30 COFFEE BREAK

16:30-18:00 **Parallel sessions 6**

[Room 1]	<b>6.1 Altmetrics – Panel.</b> Chair: James Wilsdon <b>Roundtable</b> <i>next-generation metrics: responsible metrics &amp; evaluation for open science</i> – James Wilsdon, Judit Bar-Ilan, Isabella Peters, Paul Wouters
[Room 2]	<b>6.2 Geography and performance.</b> Chair: Michael J Kahn <ul style="list-style-type: none"> <li>• <i>Indicators of the knowledge based society: Comparison between European and Latin American countries</i> – Daniel Villavicencio</li> <li>• <i>Measuring cross-border regional STI integration</i> – Teemu Makkonen</li> <li>• <i>From emerging country to a leading role in the scientific and technological field? analysis of the internationalization of Brazil</i> – Claudia Daniele de Souza, Daniela De Filippo, Elias Sanz Casado</li> </ul>
[Room 3]	<b>6.3 Special Track 5 – Social sciences and the humanities.</b> Chair: Thed van Leeuwen <ul style="list-style-type: none"> <li>• <i>Clashing Conventions? Exploring Human Resource Management in the Cleavage Between Academic Field Traditions and New Institutional Rules. Quantitative and Qualitative Insights from the Field of Communication and Media Studies in Switzerland</i> – Alexander Buhmann</li> <li>• <i>A bibliometric indicator with a balanced representation of all fields</i> – Gunnar Sivertsen</li> <li>• <i>Measuring research in humanities and social sciences: information from a new Italian data infrastructure</i> – Marco Malgarini, Tindaro Cicero</li> <li>• <i>Trends and developments in multi-authorship in five social science disciplines from 1991 to 2014</i> – Sabrina Jasmin Mayer</li> </ul>
[Room 4]	<b>6.4 Special Track 4 · Collaborations, mobility and internationalization.</b> Chair: Rigas Arvanitis <ul style="list-style-type: none"> <li>• <i>Introduction: Rigas Arvanitis</i></li> <li>• <i>An approach to the analysis of human resources: mobility and collaboration in knowledge production by Colombian universities</i> – Sandra Carolina Rivera Torres</li> <li>• <i>Mobility in the academic careers at the flemish universities – Results from the human resources in research database</i> – Noëmi Frea Debacker, Karen Vandeveldel</li> <li>• <i>Gatekeeping African studies: A preliminary insight on what do editorial boards indicate about the nature and structure of research brokerage</i> – Sandro Mendonça</li> </ul>
[Room 5]	<b>6.5 Mission Oriented Research – Health.</b> Chair: Matthew Wallace <ul style="list-style-type: none"> <li>• <i>Access to global health research. Prevalence and cost of gold and hybrid open access</i> – Stefanie Hausteine, Elise Smith, Philippe Mongeon, Fei Shu, Vincent Larivière</li> <li>• <i>Scientific research on diseases: the distinct profile of developed and developing countries</i> – Alfredo Yegros</li> <li>• <i>Biodiversity sustainability of phytomedicine research: a 3-dimensions analysis around the North-South divide</i> – Philippe Gorry</li> <li>• <i>In Re the academic cartography of sugar sweetened beverages: scientific and</i></li> </ul>

*technical information, interdisciplinarity, and legal academia – Lexi C. White*

**6.6 Project and programme assessment.**

Chair: Diana Hicks

- [Room 6]
- *An assessment of EU-funded research projects: innovators and their innovative potential* – Daniel Nepelski, Vincent Van Roy, Eoghan O’neill
  - *Evaluating the impact of public space investments with limited time and funds: (methodological) lessons from a Swiss case study* – Franz Barjak
  - *Researchers and institutions in the periphery: challenges in measuring research capacity for geographically specific programs in the U.S* – Julia Melkers
  - *Assessing marine biotechnology research centres in peripheral regions: developing global and local STI indicators* – Antoine Schoen, Douglas Robinson

**6.7 Measuring Innovation.**

Chair: Joaquín M. Azagra-Caro

- [Room 7]
- *Baseline of indicators for R&D and Innovation in ICT: a tool for decision-making, design and monitoring of public policies* – Henry Mora Holguín, Diana Lucio-Arias, Sandra Zárate, Nayibe Castro, Clara Pardo
  - *Measuring originality: common patterns of invention in research and technology organizations* – David Li Tang, Erica Wiseman, Tamara Keating, Jean Archambeault
  - *Linking international trademark databases to inform IP research and policy* – Stephen Michael Petrie
  - *Detecting emerging trends and country specializations in energy efficiency* – Daniela De Filippo, Andres Pandiella-Dominique, Elba Mauleon

18:00-19:30

[Room 1]

**ENID General Assembly**

**Special session organised by the Organización de Estados Iberoamericanos – Ciencia, Tecnología, Sociedad e Innovación ¿Medimos lo que debemos?¿Medimos bien?.**

18:00-19:30 Chair: Manuel Torralbo – Junta de Andalucía

[Room 2]

Judith Sutz – Univ. de la República, Uruguay, Hebe Vessuri – CONICET Argentina, José Navarrete – Junta de Andalucía

*(This special session is in Spanish)*

19:30-20:00

Transfer to the conference dinner (participants OEI event and ENID Assembly)

20:00-22:00

CONFERENCE DINNER (Hotel Astoria)

**16 SEPTEMBER**

**4th Plenary session.**

09.00-10.30

Conference “The deep structure of STI indicators: Contextual knowledge and scientometrics”

Chair: Philippe Laredo

Keynote speaker: Prof. Johann Mouton – Stellenbosch University, South Africa

10.30-11.00

COFFEE BREAK

11.00-12.30

**Parallel sessions 7**

**7.1 Innovation in Government.**

[Room 1]

Chair: Sami Mahroum

**Special session roundtable on Measuring Innovation in Government**, Anthony

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Arundel, Carter Bloch, Ilka Lakaniemi, Sami Mahroum

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**7.2 Mission Oriented Research – Agriculture.**

Chair: Ilkay Holt

[Room 2]

**Special panel on Metrics and Agricultural Science measuring Multidisciplinary and Applied Research** – Vanessa Méry, Hugo Besemer, Ellen Fest, Fabrizio Celli

**7.3 Special Track 5 · Social sciences and the humanities.**

Chair: Thed van Leeuwen

[Room 3]

- *ERIH PLUS – Making the SSH visible, searchable and available* – Gry Ane Vikanes Lavik, Gunnar Sivertsen
- *Indexed University presses: overlap and geographical distribution in five book assessment databases* – Jorge Mañana-Rodríguez, Elea Giménez-Toledo
- *East-African Social Sciences and Humanities Publishing – A Handmade Bibliometrics Approach* – Nora Schmidt
- *Alphabetical co-authorship in the social sciences and humanities: evidence from a comprehensive local database* – Raf Guns

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**7.4 Special Track 4 · Collaborations, mobility and internationalization.**

Chair: Rigas Arvanitis

[Room 4]

- *Scientific mobility of Early Career Researchers in Spain and The Netherlands through their publications* – Nicolas Robinson-Garcia, Carolina Cañibano, Richard Woolley, Rodrigo Costas
- *The network of international student mobility* – Eva Maria Voegtle, Michael Windzio
- *Big Science, co-publication and collaboration: getting to the core* – Michael J Kahn
- *Autonomy vs. dependency of scientific collaboration in scientific performance* – Zaida Chinchilla-Rodríguez, Sandra Miguel, Antonio Perianes-Rodríguez, María-Antonia Ovalle-Perandones, Carlos Olmeda-Gómez

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**7.5 Culture and engagement.**

Chair: Denis Gray

[Room 5]

- *Scientific culture in Colombia. A proposal of an indicator system for science, technology and innovation* – Clara Pardo, William Alfonso
- *How user-innovators can be identified? Evidence collected from the analysis of practices* – Konstantin Fursov
- *Assessing youth engagement with a collaborative Index* – Ramon Marrades

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**7.6 Networks.**

Chair: Ludo Waltman

[Room 6]

- *Networks dynamics in the case of emerging technologies* – Daniele Rotolo
  - *Using network centrality measures to improve national journal classification lists* – A. Zuccala, N. Robinson-Garcia, R. Repiso and D. Torres-Salinas.
  - *Bridging centrality: A new indicator to measure the positioning of actors in*
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- *R&D networks* – Thomas Scherngell, Laurent Berge, Iris Wanzenböck
  - *Network heterogeneity in an undirected network* – Xiaojun Hu, Loet Leydesdorff, Ronald Rousseau
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**7.7 Altmetrics.**

Chair: Juan Pablo Alperín

[Room 7]

- *A Systematic Identification of Scientists on Twitter* – Qing Ke, Yong-Yeol Ahn, Cassidy R. Sugimoto
  - *Do Mendeley reader counts reflect the scholarly impact of conference papers? A comparison between ComputerScience and Engineering field.* – Kuku Joseph Aduku, Mike Thelwall, Kayvan Kousha
  - *Currencies of science: discussing disciplinary “exchange rates” for citations and Mendeley readership* – Rodrigo Costas, Antonio Perianes-Rodríguez, Javier Ruiz-Castillo
  - *SSH & the City. A Network Approach for Tracing the Societal Contribution of the Social Sciences and Humanities for Local Development* – Nicolas Robinson-Garcia, Thed N. van Leeuwen, Ismael Rafols
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12.30-14.30 **Poster Sesion 2**

13:00-14:30 LUNCH

14:30-16:00 **Parallel sessions 8**

**8.1 Indicators’ use and effects.**

Chair: Paul Wouters

[Room 1]

- *Why DORA does not stand a chance in the biosciences* – Jochen Gläser
  - *Are institutional missions aligned with journal-based or document-based disciplinary structures?* – Richard Klavans, Kevin Boyack
  - *Science policy through stimulating scholarly output Does is work?* – Peter Van den Besselaar
  - *The need for contextualized scientometric analysis: An opinion paper* – Ludo Waltman
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**8.2 National systems in the periphery.**

Chair: Daniel Villavicencio

[Room 2]

- *Measuring internationality without bias against the periphery* – Valeria Aman
  - *Indicators on measuring technology convergence worldwide* – Chunjuan Luan
  - *Development on the Periphery: monitoring science, technology and innovation for sustainable development among Pacific Island Countries* – Tim Turpin, Ranasinghe Wasantha Amaradasa
  - *Fake Academic Degrees as an Indicator for Severe Reputation Crisis in the Scientific Community* - Andrey Rostovtsev, Alexander Kostinskiy
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**8.3 Special Track 5 · Social sciences and the humanities.**

[Room 3]

Chair: Thed van Leeuwen (CWTS, Leiden University).

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**A special debate on** *Aligning research assessment in the Humanities to the national Standard Evaluation Protocol Challenges and developments in the Dutch research landscape* – Jack Spaapen, Gunnar Sivertsen, Sarah de Rijcke, Tim Engels

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#### 8.4 Special Track 4 · Collaborations, mobility and internationalization.

Chair: Rigas Arvanitis

[Room 4]

- *The world network of scientific collaborations between cities: domestic or international dynamics?* – Marion Maisonobe, Denis Eckert, Michel Grossetti, Laurent Jégou, Béatrice Milard
- *Trends in the inter-regional and international research collaboration of the PRC's regions: 2000-2015* – Marc Luwel, Erik van Wijk, Lambertus (Bert) J van der Wurff, Lili Wang
- *Iran's scientific dominance and the emergence of South-East Asian countries in the Arab Gulf Region* – Henk F. Moed
- *How international is internationally collaborated research? A bibliometric study of Russian surname holder collaboration networks* – Maria Karaulova, Abdullah Gök and Philip Shapira

#### 8.5 Mission-Oriented Research-Health.

Chair: Tommaso Ciarli

[Room 5]

- *Network analysis to support research management: evidence from the Fiocruz Observatory in Science, Technology and Innovation in Health* – Bruna de Paula Fonseca e Fonseca Fonseca, Ricardo Barros Sampaio, Marcus Vinicius Pereira da Silva, Paula Xavier dos Santos
- *Partial alphabetical authorship in medical research: an exploratory analysis* – Philippe Mongeon, Elise Smith, Bruno Joyal, Vincent Larivière
- *The bibliometric behaviour of an expanding specialisation of medical research* – Jonathan Levitt, Mike Thelwall

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#### 8.6 Special sesión on Scientific Culture Measures. Challenges and New Perspectives

[Room 6]

- *Presentation / Introduction of the topic: What is scientific culture and what is not?* – José Antonio López Cerezo
- *What does it mean to be scientifically literate?* – Belén Laspra
- *New tools and indicators to measure scientific culture* – Ana Muñoz van den Eynde
- *New cultural factors influencing the innovation measures* – María Cornejo Cañamares

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#### 8.7 Altmetrics.

Chair: Rodrigo Costas

[Room 7]

- *Comparing the characteristics of highly cited titles and highly alted titles* – Fereshteh Didegah, Timothy D. Bowman, Sarah Bowman, James Hartley
- *What makes papers visible on social media? An analysis of various document characteristics* – Zohreh Zahedi, Rodrigo Costas, Vincent Larivière, Stefanie Haustein
- *Normalization of Mendeley reader impact on the reader- and paper-side* – Robin Haunschild, Lutz Bornmann

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16:00-16:30	COFFEE BREAK
16:30-18:00	<p><b>5th Plenary roundtable: Use of indicators in policy and inclusive metrics.</b>            Chair: Jordi Molas-Gallart            Richard Deiss , Directorate General for Research and Innovation, European Commission            Diana Hicks, Georgia Tech, Atlanta, US            Slavo Radosevic, UCL, London, UK            Judith Sutz, President of Globelics &amp; Univ. de la República, Montevideo, Uruguay</p>
<b>STI2016 Fringe. An open session on <i>local examples of participatory research</i></b>	
18:15-19:30	<ul style="list-style-type: none"> <li>• Video presentations</li> <li>• A roundtable on quality criteria and indicators for Participatory Action Research.                Sandra Boni, Ramon Marrades and local Valencian activists</li> </ul>
18:30-22:30	CLOSING COCKTAIL & MUSIC

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