

SCIENTIFIC COMMITTEE

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CARL MITCHAM, Liberal Arts & International Studies, Colorado School of Mines (United States)
JORDI MOLAS-GALLART, INGENIO (UPV-CSIC) (Spain)
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ROBERT TIJSSEN, Center for Science and Technology Studies (CWTS), University of Leiden (The Netherlands)
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REINHILDE VEUGELERS, Faculty of Economics and Business, KU Leuven (Belgium)

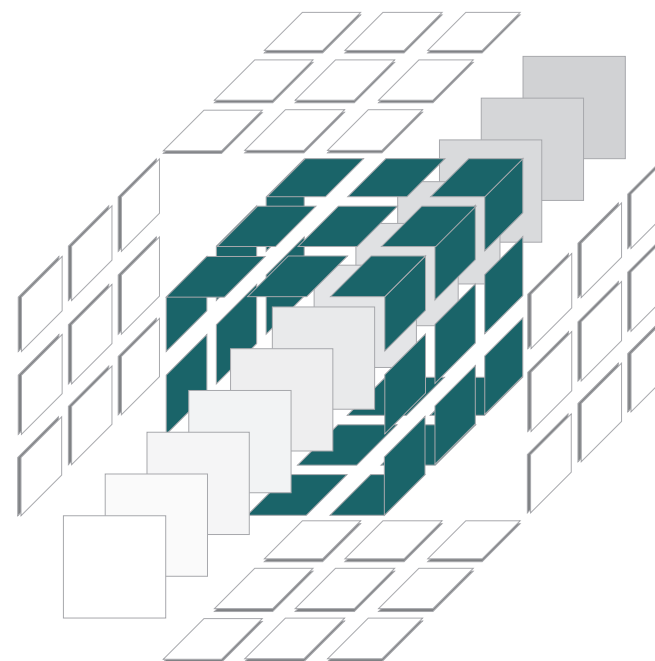
ORGANIZING COMMITTEE

DR. FÉLIX DE MOYA ANEGÓN (Bibliometrics)
DR. LUIS SANZ MENÉNDEZ (S&T policy)
DR. LAURA CRUZ CASTRO (Sociology of Science)
DR. ELENA CORERA ÁLVAREZ (Bibliometrics)
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DR. KOEN JONKERS (Science Studies)
DR. GEMMA DERRICK (Health Policy Studies)
DR. NATALIA ZINOVYEVA (Economics)
HON. DR. ISIDRO AGUILLO (Cybermetrics)

VENUE

Centro de Ciencias Humanas y Sociales del CSIC
C/ Albasanz 26-28, (28037 Madrid)

Science dynamics and research systems: The role of research for meeting societal challenges



Madrid, 8-9 April 2013



Monday, 8th April 2013

08.30-09.00 Registration

09.00-10.15 Opening session.

Welcome: **Luis Sanz Menéndez**, Director CSIC
Institute of Public Goods and Policies (IPP)

09.15-10.30 1st. Plenary Session

Chair: Gemma E. Derrick, CSIC-IPP

What is a research question?

Jochen Gläser, Center for Technology and Society
(ZTG), Technische Universität Berlin (Germany)

**Responsible Research and Innovation: United
States, Europe, and China.**

Carl Mitcham, Liberal Arts & International Studies,
Colorado School of Mines (United States)

10.30-11.00 Coffee break

11.00-13.00 Parallel Session 1 / Parallel Session 2

13.00-14.15 Lunch and Networking

14.15-16.15 Parallel Session 3 / Parallel Session 4

16.15-16.45 Coffee Break

16.45-18.30 2nd. Plenary Session

Chair: Koen Jonkers, CSIC-IPP

Bridging STS and STI policy studies.

Arie Rip, Science, Technology, and Policy Studies
(ST&PS), University of Twente (The Netherlands)

20 challenges for Innovation Studies.

Ben Martin, Science and Technology Policy Research
Unit (SPRU), University of Sussex (United Kingdom)

Tuesday, 9th April 2013

09.00-10.30 3rd. Plenary Session

Chair: Catalina Martínez, CSIC-IPP

How does governance change research content?

Jochen Gläser, Center for Technology and Society
(ZTG), Technische Universität Berlin (Germany)

**Research Integrity in an Age of Research
Assessment.**

Ben Martin, Science and Technology Policy Research
Unit (SPRU), University of Sussex (United Kingdom)

10.30-11.00 Coffee Break

11.00-13.00 Parallel Session 5 / Parallel Session 6

13.00-14.15 Lunch and networking

14.15-16.15 Parallel Session 7 / Parallel Session 8

16.15-16.45 Coffee Break

16.45-17.30 4th. Plenary Session

Chair: Luis Sanz Menéndez, CSIC-IPP

**Keys to academic productivity: some lessons from
a long and winding career.**

Barry Bozeman, School of Government and
International Relations. University of Georgia (United
States)

17.30-18.00 Concluding Round Table and ECRC Best Paper
Announcement

20.30 Conference Dinner

Monday, 8th April 2013

Session 1. Knowledge production, transfer and use

Chair: Isidro Aguillo, CSIC - Institute of Public Goods and Policies

Personal publication productivity: scientists, their friends and other collaborators

Agrita KIOPA

School of Public Policy, Georgia Institute of Technology (US).

Discussant: **Francesco Lissoni**, Montesquieu University -Bordeaux IV.

Researchers' participation in standardisation in relation to their scientific publishing and patenting activities: a case study from a public research organisation in Germany

Aikaterini ZI (& Knut Blind)

Federal Institute for Materials Research and Testing (Germany).

Discussant: **Robert Tijssen**, Center for Science and Technology Studies (CWTS), University of Leiden.

Universities as local knowledge hubs under different technology regimes. New evidence from academic patenting

Friedrich DORNBUSCH (& Thomas Brenner)

Fraunhofer-Institut für System und Innovationsforschung ISI (Germany).

Discussant: **Natalia Zinovyeva**, CSIC Institute of Public Goods and Policies.

Session 2. Societal issues, gender and knowledge translation

Chair: Gemma E. Derrick, CSIC Institute of Public Goods and Policies

Vaccine innovation, research translation and knowledge management: Testing processes in three polio trajectories

Ohid YAQUB

SPRU -Science and Technology Policy Research, University of Sussex (UK).

Discussant: **Vincenzo Pavone**, CSIC Institute of Public Goods and Policies.

Deliberative participation in risk management: mapping the controversy of refuge ports in Spain.

Elvira SANTIAGO

CSIC Institute of Public Goods and Policies (IPP).

Discussant: **Malcolm Goggin**, School of Public Affairs, University of Colorado.

Excellence and its Others: success, careers and gender at a Czech research institution of chemistry

Marcela LINKOVÁ

Institute of Sociology, Academy of Sciences (Czech Republic).

Discussant: **Carl Mitcham**, Liberal Arts & International Studies, Colorado School of Mines (United States).

Session 3. Knowledge heterogeneity, academic inventors and careers

Chair: Francesco Lissoni, Montesquieu University - Bordeaux IV

Inventor's knowledge set as the antecedent of patent importance

Ali MOHAMMADI (& Chiara Franzoni)

Department of Management, Economics and Industrial Engineering, Politecnico di Milano (Italy).

Discussant: **Robert Tijssen**, Center for Science and Technology Studies (CWTS), University of Leiden.

The impact of knowledge diversity on inventive performance at European universities

Malwina MEJER

ECARES, Université Libre de Bruxelles (Belgium).

Discussant: **Jochen Gläser**, Center for Technology and Society (ZTG), Technische Universität Berlin.

Academic Entrepreneurship between Scientific Career and Technology Transfer: Case Studies from Italy

Matteo SERAFINI

CIS Centre - University of Bologna (Italy).

Discussant: **Catalina Martínez**, CSIC Institute of Public Goods and Policies.

Session 4. Changing S&T policies and research governance

Chair: Jordi Molas-Gallart, INGENIO (UPV-CSIC)

Dynamics of long-term international research collaborations: interaction of self-organisation and governance

Inga ULNICANE

STePS, IGS, University of Twente (The Netherlands).

Discussant: **Ben Martin**, Science and Technology Policy Research Unit (SPRU), University of Sussex.

The Responsive Structure of Science

David KALDEWEY

Forum Internationale Wissenschaft (Germany).

Discussant: **Arie Rip**, Science, Technology, and Policy Studies (STePS), University of Twente.

Changing paradigms of science and technology policies in Argentina: practices, knowledge, representations and social relations (1958-1983)

Adriana FELD

CONICET Universidad Nacional de Quilmes & Universidad Maimónides (Argentina).

Discussant: **Malcolm Goggin**, School of Public Affairs, University of Colorado.

Tuesday, 9th April 2013

Session 5. International mobility as a dynamic factor

Chair: Koen Jonkers, CSIC - Institute of Public Goods and Policies

Extent and Effect of Brain Drain in Germany

Sonia CONCHI (& Carolin Michels)
Fraunhofer Institute for Systems and Innovation Research ISI (Germany).

Discussant: **Jochen Gläser**, Center for Technology and Society (ZTG), Technische Universität Berlin.

Russian Nanoscience Diasporas and National Innovation systems: Initial Mapping

Maria KARAULOVA
Institute of Innovation Research, University of Manchester (UK).

Discussant: **Barry Bozeman**, School of Government and International Relations, University of Georgia.

Research Career Development in Russia: the Role of International Mobility

Nadia ASHEULOVA
Centre for Sociology of Science and Science Studies, St. Petersburg Branch of the Institute for the History of Science and Technology (Russia).

Discussant: **Laura Cruz Castro**, CSIC Institute of Public Goods and Policies.

Session 6. Science dynamics, competitiveness and decision making in S&T Policy

Chair: Natalia Zinovyeva, CSIC - Institute of Public Goods and Policies

Future oriented system assessment to aid strategic decision-making in complex socio-technical environments

Kirsi HYYTINEN (& Mika Nieminen)
VTT Technical Research Centre of Finland (Finland).

Discussant: **Malcolm Goggin**, School of Public Affairs, University of Colorado.

Scientific output and transfer in nanosciences: a comparative analysis of the Basque Country, Finland and Sweden

Jon Mikel ZABALA
CIRCLE, University of Lund (Sweden).

Discussant: **Carl Mitcham**, Liberal Arts & International Studies, Colorado School of Mines.

Science, technology and innovation for competitiveness: The challenges of smart specialization for Bulgaria

Sorin KRAMMER
University of Groningen, Faculty of Economics and Business (The Netherlands).

Discussant: **Adelheid Holl**, CSIC Institute of Public Goods and Policies.

Session 7. Innovation, energy and sustainability

Chair: Adelheid Holl, CSIC - Institute of Public Goods and Policies

Articulation of sustainability in nanotechnology Comparing fixed and fluid funnels

Colette BOS (& Harro van Lente, Alexander Peine)
Department of Innovation Studies, Copernicus Institute of Sustainable Development.
University of Utrecht (The Netherlands).

Discussant: **Arie Rip**, Science, Technology, and Policy Studies (STePS), University of Twente.

Characteristics of Networks in Energy efficiency Research and Development. A Comparison of actors, technological domains and networks structure in seven focus

Tobias Møller RUBY
Technical University of Denmark (Denmark).

Discussant: **Robert Tijssen**, Center for Science and Technology Studies (CWTS), University of Leiden.

Distinctive features and determinants of Eco-innovation in Spain. An econometric analysis.

Cristina PEÑASCO (& Desiderio Romero, Pablo del Rio)
CSIC Institute of Public Goods and Policies (IPP) (Spain).

Discussant: **Francesco Lissoni**, Montesquieu University -Bordeaux IV.

Session 8. Research actors and institutions

Chair: Natalia Zinovyeva, CSIC - Institute of Public Goods and Policies

The “Balancing” Role Played by the Evaluation Mechanisms of Key National Extra-university Research Institutes in their Own Strategic Development and in Support for National Research Policy-making

Junwen LUO
STePS, IGS, University of Twente (The Netherlands).

Discussant: **Ben Martin**, Science and Technology Policy Research Unit (SPRU), University of Sussex.

Benchmarking Entrepreneurial Universities: Testing a Research Framework

Sharifa H. AL HARTHY
Manchester Business School (UK).

Discussant: **Jordi Molas-Gallart**, INGENIO (UPV-CSIC).

Classifying Cooperative Research Centres through a Sectoral System of Innovation approach: An exploration based on the Spanish case

Inés ANDÚJAR (& Sandro Giachi)
CSIC - Instituto de Estudios Sociales Avanzados (Spain).

Discussant: **Barry Bozeman**, School of Government and International Relations. University of Georgia.