

Framework

The Conference is organized in Rome by the Institute for Economic Research on Firms and Growth (CERIS) of the Italian National Research Council (CNR) as a part of the STI conference series jointly managed by the European Network of Indicators Designers and CWTS at the University of Leiden. It follows previous conferences in Paris (2010) and in Leiden (2010). The aim of the conference is to gather researchers, indicator producers and stakeholders interested in new developments in the field of STI indicators, around the notion of positioning indicators, as well as the use of indicators for strategic decisions of policymakers and research actors.

Scientific Committee

Rémi Barré, CNAM Paris.
Benoît Godin, INRS, Montréal.
Stephan Hornbostel, IFQ, Bonn.
Ben Jongbloed, CHEPS, University of Twente.
Loet Leydesdorff, ASCOR, University of Amsterdam.
Francesco Lissoni, University of Brescia.
Secondo Rolfo, CNR CERIS, Moncalieri.
Robert Tijssen, CWTS, Leiden University.
Peter van den Besselaar, Rathenau Institute, Den Haag.

Conference Chairs

Benedetto Lepori, University of Lugano.
Emanuela Reale, CNR CERIS, Rome.

Poster Session Chairs

Stig Slipersaeter, NIFU STEP, Oslo.

Chair of the PhD training activities

Philippe Larédo, University of Paris Est.
Kate Barker, University of Manchester.

General Information

Conference program

Opening: Wednesday 7th September 2011, 11:00

Closure: Friday 9th September 2011, 15.30

The program will include:

- opening of the conference by the organizers.
- welcome speech of a representative of the Italian National Research Council.
- keynote speeches on selected topics.
- parallel sessions with paper presentation and discussion.
- exploratory sessions on experiments and new avenues in indicators design.
- short presentations of posters in plenary sessions and special poster sessions during breaks.
- A specific PhD training activity on indicators for policymaking
- social event and conference dinner.

Venue

Rome, National Research Council

Conference website

www.enid-europe.org/conference.html

Contact information

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Science and Technology Indicators
Conference 2011
on

**Actors and networks
in European Science**

Deadline for abstract submission
1st March 2011

Rome
7th -9th September 2011

www.enid-europe.org/conference.html

Organized by

CERIS - Institute for Economic Research on Firms
and Growth
CNR - Italian National Research Council

Conference topic

The recent years have witnessed an extraordinary diversification of the demands for Science, Technology and Innovation (STI) indicators, as a consequence of the growing complexity of innovation systems at the regional, national and international level and of the needs of new indicators types to characterize the position and the linkages of actors (*positioning indicators*).

The 2011 STI conference focuses on the use of these indicators for characterizing actors and their linkages in European science, as a multi-level and multi-governance system where actors – policymaking, funding agencies, research organizations and higher education institutions, research groups – act strategically to reach their objectives and shape their environment; in this distributed setting, network relationships become an essential tool for coordination and this leads also to emerge of new organizational forms, like networks of excellence, virtual research centers etc. Indicators are required as instruments for analyzing and monitoring changes, as well as a support for strategic decision in an increasingly complex system, where national and European jurisdictions interact in shaping the future European Research Area.

The conference aims to provide a place for methodological discussion concerning new indicators, their use in policy-making and the requirements for production, and for presenting new developments in specific domains, concerning design, methodology, experimental development and application to policy analysis and decision-making.

Call for abstracts and posters

We invite submission of extended abstracts on the topics listed below. Authors can specify if the submission is for oral or poster presentation (or both).

Abstracts should not exceed three pages (10'000 characters) and contain the following information:

- Name and affiliation of the author(s).
- Conference theme and session.
- Research subject and hypothesis.
- Methodology.
- Existing and expected results.
- Selected references.

Abstracts should be submitted electronically to benedetto.lepori@usi.ch until 1st March 2011. Answer on acceptance will be given not later than May 1st 2011. All abstracts will be peer-reviewed.

Topics and special tracks

Evaluation of research policies and programs

Organiser: Emanuela Reale, CNR-CERIS Rome

Indicators for evaluation of research programs and policies are one of the challenges for evidence-based policy making, which needs assessments based on objectives and over time comparable evidences. This track is devoted to contributions focusing on indicators able to support the policy makers understanding of the value and impact of research programs and policies. Papers highlighting the changing role of indicators are also welcome.

Pitfalls and Perils of Internationally Comparative Higher Education Indicators: experiences and results from international research projects

Organisers: Ben Jongbloed (CHEPS, University of Twente) and Andrea Bonaccorsi (University of Pisa).

This track seeks contributions that address indicators and data-related issues and techniques that emerge in internationally comparative work on higher education and S&T. The session will particularly focus on results and experiences emerging from large-scale international indicator-driven projects in the field of higher education and research.

Funding systems in a European perspective

Organiser: Maria Nedeva University of Manchester

This session will address the development of indicators on funding agencies and programs at the European level, including analysis of joint and open programming, international programs and agencies and the evaluation of their impact on the European research system. Both contributions developing conceptual analyses to frame indicators development and contributions presenting empirical results and advances in statistical systems are welcome.

Innovation indicators

Organiser: Robert Tijssen, Leiden University

The socio-economic relevance and returns of scientific RTD are often framed within innovation-oriented policy contexts: EC-funded innovation programs, regional or national innovation systems, or globalizing innovation 'ecosystems'. This session will be devoted to metrics and indicators that shed light on dimensions of innovation performance within European policy perspectives. Contributions dealing with R&D-based innovations as well as social-organisational innovations are welcome.

Topics and special tracks

Indicators on academic patenting

Organiser: Francesco Lissoni, University of Brescia

Academic patenting is an important part of the larger phenomenon of university-industry technology transfer. This track is devoted to papers aimed at showing the extent and characteristics of such contribution, as measured by the number of patents signed, licensed, or cited by other patents. Of particular interest are studies addressing the issue of academic patents' property, technological relevance, and economic value, either for the individual organization or the economy at large. Studies on the position and contribution of academic inventors in S&T networks are also welcome. Support from the European Science Foundation for this session is gratefully acknowledged

Indicators of Public Understanding and Public Engagement in Science

Organiser: Massimiano Bucchi, University of Trento

Public Understanding of Science is increasingly relevant in terms of policy making and debate related to S&T, and Public Engagement activities have become a regular feature for several research institutions in Europe. However, while research and teaching functions can count on established indicators, Public Engagement functions are often performed as a sort of 'good will exercise' and very few studies have focused on defining appropriate indicators. Indicators of Public Understanding and Public Engagement performance might prove of great support for institutions and policy actors that wish to take seriously the challenge of public engagement and societal dialogue.

PhD training activity: indicators for evaluation and strategic policy-making

Organiser: Philippe Larédo, University of Paris Est

The goal of this training activity, jointly organized by ENID and by the European Forum for Studies of Policies for Research and Innovation (EU-SPRI), is train PHD students and post-docs concerning the value and use of STI indicators for the evaluation of research policies and program and for strategic decision-making.

The training activity will take place before the conference, from Monday 5th of September to Wednesday 7th of September 2011. A call for participation will be posted in fall 2010 on the ENID website.