



CONFERENCE ANNOUNCEMENT

Science, Technology and Innovation
indicators

STI 2017

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Open indicators: innovation, participation and actor-based STI indicators

Paris 2017

6 - 8 September 2017

Location : [ESIEE](#) (Paris)

2 boulevard Blaise Pascal
Cité Descartes
BP 99
93162 Noisy-le-Grand Cedex

The 2017 STI conference addresses the new issues and challenges that have appeared in Science, Technology and Innovation indicators. We are witnessing sharp changes in the recent years: new areas of knowledge are appearing, new types of objects need to be taken into account, new methodologies and visualisations have been proposed, a combination of different policy interests emerging from a large variety of social actors modify the demands addressed to indicators. Most of these challenges relate to profound changes in the way science, technology and innovation relate to society; indicators — necessarily— reflect these changes, taking into account the needs and strategies of the many different actors involved.

The conference will be the opportunity to showcase results from the intense work done in recent years on the way science, technology and innovation indicators are used in relating social actors to science and technology. The range of relations between science and society has been expanded into a dizzying array of forms that include a large variety of knowledge producing activities such as: open science and open innovation, collaborative projects that include social actors, crowdsourcing in large digital platforms, the inclusion of local and “indigenous” knowledge in development programmes, closer connections between users and producers of scientific and technological devices, a growing digitalisation, a shifting balance between productive and ‘access to market’ activities, new developments such as the sharing economy, crowdfunding, responsible innovation, technology ‘makers’ and ‘do-it-yourself’ movements... They drive to new governance issues, but also to new requirements for indicator designers and multiple experiments that the conference should discuss.

Participatory research programmes, combined with active civil society organizations, promote a need for debates and more democratic decision-making processes. Expertise can no longer be limited to top-down application of scientific knowledge and indicators should reflect and contribute to this democratic move. How can and do indicators get involved into this democratic move? How is this enlarged participation of actors into the definition and shaping of indicators changing the modalities of their construction?

Moreover, following last year’s central theme on peripheries, STI 2017 will interrogate broadly the evolving geography of ST&I, the impacts of the concentration of ‘new dominant’ sciences in large metropolitan areas, the expanding and diverse forms of international collaborations, all of which impose both methodological developments and new global strategies.

These objectives include new methodological developments, new methods in data processing, sharing, analysis and use, including the management of large data in a large variety of forms. Indicators, today, require not only larger databases, but also the mastering of shared technologies and collaborative technologies. Of interest are the possibilities of enlarging indicators through the use of open data.

The Conference will thus propose to engage in stimulating exchanges around these new developments concerning actor-based indicators, in a large variety of sectors from scientific and technological production, to innovations in service sectors such as tourism, leisure and culture, health, ageing, or food catering, to non-technological and organizational innovations. It will open the debates on the democratic uses of STI indicators and the specific challenges participation of a wider range of actors pose to the construction of sound, meaningful and robust indicators.

As last year in Valencia, the conference will include **special tracks**:

1. Data infrastructures & data quality for evolving research metrics
2. Innovation benchmarking and indicators
3. Actor-based and location-based innovation indicators: the evolving knowledge landscape
4. Measuring impact and engagement
5. Collaboration, mobility and internationalization
6. Social sciences and humanities
7. Peripheries and frontiers in science, technology and innovation

Other topics include:

1. Social media and alternative metrics.
2. How do indicators shape research agendas?
3. Evaluation of mission-oriented research.
4. Science participation and communication.
5. Inclusive innovation and grassroots innovation.
6. Indicators for sustainable development in socio-economic transitions.
7. Gender and gendered research and innovation.
8. Innovation, creativity and culture
9. Innovation in 'person-based' services (health, culture, leisure, tourism).

The conference will consider presentations on the above topics, or other specific topics, but will focus on those related to its general theme of "Open indicators".

The Conference will be used as a platform to present and discuss the results of the EU-funded "Research infrastructures for the assessment of science, technology and innovation policy" (RISIS). RISIS is developing sets of STI indicators to be openly accessible (<http://risis.eu>). The open access CORTEXT platform, a unique tool designed for textual analysis, managed by [IFRIS](#) will also be presented.

Submissions can be:

1. Short paper (max 3,000 words) with a description of a completed study
2. A research in progress paper (max 1,500 words)
3. Special session: proposal of 90 or 180 min. panel discussions, round tables or a coherent set of papers (2,000 words max.), indicating whether some participations can be proposed inside the session
4. A poster (max 1,000 words) with an abstract of the study. Posters are strongly encouraged. Opportunities will be given for both poster sessions and permanent exhibition of posters.

**The Website will open for submissions to the conference on the
15th of February 2017**

Website of the Conference: sti2017.paris

Submissions will be received from **15th February 15 to 22nd March 2017**

In the meanwhile you may send for enquiries at: contact@sti2017.paris