



and similar issues, clarification of basic propositions behind indicators and visualisations of S,T&I is necessary.

The Amsterdam Summer School on Science, Technology and Innovation Indicators, derives from extensive PRIME research activity in the field. The aim is to supply a short intensive training period to PhDs and post-doc students on fundamentals of and new developments in STI Indicators in order to reinforce and update the existing competences on the field. The School wants to outline positioning and performance indicators and knowledge dynamic visualisation approaches, relying on lectures, hands-on demonstrations, presentations by the participating students, guided by senior scientists, and general discussions. The policy relevancy of indicators and visualisations is a main issue in discussions, together with deepening of understanding of validity, reliability of indicators and visualisations, at policy relevant levels, ranging from macro, intermediate, to the micro-level Themes and participation

### Participation

Participation is open to young scientists, PhDs and post docs, and facilitated by dialogue between senior researcher, post-graduate students and young graduates, as well as to facilitate integration and diffusion of results, by involving participants from the 2008 PRIME Oslo Conference on STI Indicators and connect to upcoming conference (2010) on S&T Indicators.

### Themes

The School addresses STI Indicators and Visualisation, as one of the key issues of PRIME actions. Besides clarifying basic propositions behind indicators, and visualisation, the summer school focuses on four themes regarding usage of indicators and visualisations:

- 1 **Characterising** public interventions in research and higher education;
- 2 **Visualizing** knowledge dynamics;
- 3 **Depicting** innovation; and
- 4 **Positioning** of higher education institutions.

The lectures and hands-on sessions link to relevant lines of research and findings of PRIME projects. The School will be organised around a four-days programme, including frontal lectures, participant presentations with expert discussants, hands-on demonstrations and plenary discussions.

### Call for abstracts

PhD students and post-docs are invited to submission of abstracts of papers or posters to be presented at the School on topics related to the above four themes. Admittance will be based on selection of the most interesting and innovative works, based on review of a scientific panel. Abstract should contain the following information:

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

Abstracts should not exceed 2 pages (6,000 signs).

### Submission and deadlines

Abstracts have to be submitted electronically to [r.braam@rathenau.nl](mailto:r.braam@rathenau.nl) before 25<sup>th</sup> of May 2009 (Word or PDF format).

Answer on acceptance of oral or poster presentation will be given to the authors not later than June 2009. All abstracts will be peer-reviewed. Papers admitted for oral

presentation can be considered for inclusion in the upcoming conference (2010) on S&T Indicators.

### Bursaries

Students are expected to pay travelling and lodging costs themselves. Up to five bursaries covering travelling costs (selected on the base of abstract quality) can be applied for, in particular by students from new EU member countries.

## Preliminary programme

### Tuesday the 1<sup>st</sup> September

- 15-16 Welcome and introduction (Peter van den Besselaar and Robert Braam)
- 16-17 Science policy, indicators and visualisation (Peter van den Besselaar)
- 17-18 Basic epistemological and methodological questions (Rémi Barré and Benedetto Lepori)
- 18-19 Participant Buffet at The Trippenhuis

### Wednesday the 2<sup>nd</sup> September

- 09-12 Characterising public interventions in research and higher education (Benedetto Lepori)
- 12-13 Lunch break at The Trippenhuis
- 13-16 Laboratory session on higher education indicators (Cinzia Daraio, University of Bologna and Pisa)
- 16-18 Presentation of student papers/posters (parallel sessions)

### Thursday the 3<sup>rd</sup> September

- 09-12 Knowledge dynamics (Peter van den Besselaar and Robert Braam)
- 12-13 Lunch break at The Trippenhuis
- 13-16 Tools to visualize knowledge dynamics (assisted by SciSA, Thomas Gurney a.o.)
- 16-18 Presentation of student papers/posters (parallel sessions)

### Friday the 4<sup>th</sup> September

- 09-12 Innovation indicators (to be announced)
- 12-13 Lunch break at The Trippenhuis
- 13-16 Positioning higher education institutions through indicators (Ben Jongbloed, Frans Kaiser)
- 16-17 Closing session

### **Coordinator of the School**

Robert Braam SciSA  
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### **Scientific Committee**

Peter van den Besselaar, SciSA  
Benedetto Lepori, University of Lugano and  
Observatoire des Sciences et Techniques,  
Paris  
Remi Barré, CNAM, Paris  
Ben Jongbloed, CHEPS, University of Twente

### **Secretariat and local organisation**

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### **Venue**

Royal Netherlands Academy of Arts  
and Sciences  
Het Trippenhuis  
Kloveniersburgwal 29  
1011 JV Amsterdam  
Old Meeting Room, Louys Room and  
Hendrick Room  
[www.knaw.nl](http://www.knaw.nl)

### **PRIME summer school information**

<http://www.enid-europe.org>

### **The Rathenau Institute. Science System Assessment**

The Rathenau Institute is an independent organization that concerns itself with issues on the interface between science, technology and society, and that provides politicians with timely and well-considered information. The Rathenau Institute has two core tasks. The institute investigates how the science system performs and how it responds to scientific and social developments. This task is called Science System Assessment, or SciSA. Besides, it studies the impacts of science and technology on society from the point of view of the public. This is known in professional circles as Technology Assessment, or TA.  
<http://www.rathenauinstituut.com/showpage.asp?steID=2&ID=3062>