

ETER as a resource for data integration and indicator building in Higher education, Science and Technology

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The issue of data integration has gained prominence in the field of S&T indicators in recent periods. A promising direction for data integration on HE, S&T is the construction of censuses, or registers, of individual actors and institutions, which can constitute the backbone for a variety of extensions. A clear strategy for data integration of census data is the identification of a common reference element from heterogeneous sources of data, such as a unique identifier (ID number) and its georeferentiation. One of the recently created censuses is ETER, the European Tertiary Education Register, supported by the European Commission (DG EAC) and Eurostat. The European Tertiary Education Register is the reference database providing micro-data at the level of individual Higher Education Institutions (HEIs) in Europe. It contains almost 3,000 HEIs from 38 European countries and provides: institutional descriptors, geographical information, data on academic staff, finances, students and graduates.

The workshop will illustrate the potential of integrating ETER data with other sources of data. Among these data the workshop will discuss scientific publications, regional statistical data, microdata on companies, data on Public Research Organisation, national surveys on graduates. The speakers have started to integrate ETER data with various sources of data, including Eurostat, ORBIS, Scopus, ISNI, GRID, Webometrics, national surveys and other sources.

Final program

Introduction: Data integration for higher education studies. A long term view (Andrea Bonaccorsi)

- Exploring the impact of spatial proximity of HEIs on firm performance (Laura Barin, FBK-IRVAPP, Trento)
- Economies of scale and scope in research production. A large scale analysis using ETER data (Luca Secondi, Università della Tuscia)
- Towards a census of Public Research Organisations in Europe (Filippo Chiarello, University of Pisa)
- The role of higher education on labour market outcomes. Integrating ETER data with graduate surveys (Federico Biagi, JRC Ispra)

Target audience

This workshop is directed to different groups of scholars at the ISSI conference:

- Researchers interested in data integration
- Scholars in higher education with interest in comparative studies, cross-country analyses and large scale analyses
- Scholars in efficiency of higher education, using both parametric and nonparametric techniques, wishing to broaden the scope of variables used in quantitative assessment and to carry out large scale, cross-country analyses
- Scholars in bibliometrics and scientometrics

Software requirements

- PC with projector

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