

ESF MO Forum: Indicators of Internationalization Pilot Study

Action plan and report of the workshop

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Aim of the forum

- ◆ Pilot study with operational objectives
- ◆ to develop a common toolbox for evaluation purposes
- ◆ to set a common basis for the analysis of internationalization among the MOs (RPOs, FAs, Academies)
- ◆ to contribute to a better understanding of internationalization patterns

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Objectives of the forum (1)

- ◆ Provide a conceptual framework: do some research work
 - ◆ Involve MOs in a collaborative project: develop indicators for their own needs, at the organization scale
 - ◆ develop a set of indicators adapted
 - to the different types of MOs,
 - to their different missions,
 - to the different domains
- set of common indicators + more specific ones, to be used « à la carte »

Objectives of the forum (2)

- ◆ To keep connected with EC: know their interest and take their advice; relate with the work of other EU bodies on the topic
- ◆ Keep this as the background for common actions within the ERA

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Items to be addressed: Steps

Step A: Defining the conceptual framework, choosing the facets of internationalization to instrument

Step B: Review of existing indicators related to the chosen facets

Step C: Choice of the set (including possibly new) indicators; complete design

Step D: Test phase in a number of selected MOs

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STEP A: what was done in this workshop

- Information on the work of Expert group on *ERA indicator and monitoring*: presented by Rémi Barré
- Information and advice from Peter Fisch (V. Vercesi as proxy)
- Contribution from the experts' group: E. Reale, A. Inzelt, P. van den Besselaar
- Review of internationalization of MOs: prepared with notes from the MOs by Sarah Chen and A. Stilo

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4. Indicators

Organization	Key words
FWO (Belgium)	No specific internal indicators. National monitoring system; (sources: Indicator book (bibliometrics and EU programmes participation))
Ac. Of Finland	Scientific publication, researchers mobility, funding; (sources: KOTA database)
FNSNF (Switzerland)	Fellowships, EU programmes participation, partnership with developing countries
Research Council of Norway	Defined on the basis of Project reports, bibliometrics; (sources: national and international)
INRA (France)	Bibliometrics (int. co-authors, IF), EU funding, EU projects and programmes participation, researchers mobility; (sources: Internal dbs, ISIweb, websites)
INFN (Italy)	Bibliometrics (int. co-authors, int. Conferences), int. Funding, int. Exchange (FAI); (sources: internal dbs ISIweb)
CSIC (Spain)	Bibliometrics (int. co-authors), Funding (EU, int., national), researchers mobility, foreign personnel, visiting (sources: internal dbs)
RCUK (UK)	No specific indicators; target dates for achievement of objectives
CNR (Italy)	Bibliometrics (int. Publications), EU funding (sources: ISIweb, internal dbs)

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STEP A: what was done in this workshop (2)

- An analytical model: 3 dimensions for positioning each organization:
 - Resource flows
 - Collaboration and networking
 - Knowledge production
- Discussion of the relevance of this “triangle”
 - for FAs
 - for RPOs
 - Complementary aspects by FAs and RPOs

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Funding flows

International funding schemes address research challenges? Do they enhance scale and scope? Do they help to get co-funding?
Evaluation system (panellists, criteria, perspective)

Collaboration and networking

International funding schemes enhance sharing of facilities and expertise? Organisation networking and research units abroad help integration?

Knowledge production

Is the position of researchers internationalised? (Co-publication and co-patenting with foreign partners, Mobility, Recruitment)

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Funding schemes pursuing internationalisation

- Are they helpful for addressing research challenges?
- Do they enhance scale and scope of research?
- Do they support sharing of facilities and expertise?
- Do they help to get co-funding from other sources?
- Do they support “market penetration”?

Further steps (1) Outcomes and Timeline

Step A (Experts) – September 2010

- Write the rationale and the complete description of the framework
- Revise the scheme to fit all types of participating MOs and define the common landscape
- Set questions relevant for both

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Further steps (2)

Step B

- Analyse main identified documents related to internationalization indicators (ERA-Group, Proneos, Technopolis/Manchester) – **MOs (July 2010)**
- Prepare form to collect information along the three directions of the triangle about present instruments and applications, corresponding indicators and data sources (**Core Group – May 2010**)
- Compile forms and prepare aggregate results (**MOs and Core Group – September 2010**)

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Further steps (3)

Step C

- Include MOs contribution in the revised scheme and suggest first set of common indicators (**Experts – November 2010**)