



National Research Council of Italy

ESF Evaluation of Publicly Funded Research

*MO Forum on Indicators of
Internationalisation - Update*

Smolenice – 29 November 2010



MO Forum on Indicators of Internationalisation - Update

Aim of the Forum

- Pilot study with operational objectives
- Develop a common set of indicators for evaluation purpose.
- To set a common basis for the analysis of internationalization among the MOs.
- Contribution to a better understanding of internationalization patterns.



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Why internationalization?

1. This is a topic strongly related to the concept of European Research Area and the ERA goal of strengthening cooperation within Europe to better compete and collaborate at international level.
2. There was a change in the meaning and the patterns of internationalization.
3. There are strong expected benefits.



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Why indicators?

1. Indicators are used to provide facts during an evaluation process.
2. They are instruments used to support policy makers. They represent the reality in a sintetic way.
3. When based on conceptual framework, they can provide definitions and normative understanding of the reality.

Design of a common set of indicators should contribute to a common strategic analysis among various kind of institutions.



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Forum

MO Forum supporters:

CNR – Italy; INFN – Italy; KNAW- The Netherlands;
INRA – France; FAS – Sweden.

Participation: 23 Organisations + 1 Observer

Peculiarity: Expert group

Timeline: May 2010 – December 2011



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List of Experts

Emanuela Reale - CNR

**Peter Van den Besselaar – Amsterdam
University**

Annamaria Inzelt – IKU

Remi Barrè - CNAM

Benedetto Lepori – Italian Swiss University



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Objectives of the Forum

1. Provide a conceptual framework. (Research work)
2. Involve MOs in a collaborative project: develop indicators for their own needs, at the organisational scale.
3. To develop a set of indicators adapted
 - to the different missions
 - to their different types of MOs,
 - to the different domains.
4. To keep connected with European Commission taking into account its work and expectations on indicators and internationalisation (the topic is strongly related to ERA objectives).
5. To keep this as the background for common actions within the ERA.



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Steps

1. A review of current policies and practices in the MOs with respect to the internationalisation in view of ERA ambitions. *(concluded)*
2. Reviews (best practices) of existing indicators related to the chosen facets.
3. Selection of the set (including possibly new) of possible indicators and operational recommendations to develop and maintain them.
4. Test phase. One or more indicators will be tested in a number of selected MOs.



COMMON AIMS FOR MEASURING INTERNATIONALISATION

✓ **Policies**

Enhance International competitiveness

Visibility of the Country at International level

✓ **Aim of Management tools**

Monitoring achievement of activities and
funding schemes



COMMON POINTS FOR MEASURING INTERNATIONALISATION

- ✓ **Scientific results**
 - n. of publications on International Journals
 - co-authors in international publications

- ✓ **Personnel**
 - mobility of researchers
 - n. of visiting staff

- ✓ **Financial resources**
 - Participation to EU and International Programmes/Projects
 - International Funding



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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)



Dimension 1

Allocation of resources

- Openness of funding schemes and instruments as co-funding enhancement, internationalisation of the evaluation process, cooperation with foreign funding bodies
- Allocation of internal resources to international or structures located abroad, co-funding of international programmes, incentives and support to international collaboration (Research Performing mission)



Dimension 2

Collaboration and networking

- Stimulate international collaboration of funded groups (Research Funding orientation mission)
- Collaborative research projects, sharing facilities and expertise, involvement in international networks, integration through common structures (Research performing mission)



Dimension 3

Knowledge production

- Impact of funding schemes and policy instruments on funded entities regarding i) knowledge co-production, ii) internationalisation of researchers' position (Research Funding orientation mission)
- Internationalisation of i) knowledge production, ii) researchers' position (recruitment, mobility, careers...) (Research Performing mission)



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Step 2. Reviews (best practices) of existing indicators related to the chosen facets

2nd SURVEY's QUESTIONS

For any triangle dimension

- *Which indicators are suggested?*
- *What is the intention in calculating this (these) indicator(s)?*
- *Precisions on the indicator. Data source and availability*



Participants so far...

Research Council of Norway

Swiss National Science Foundation

Science Foundation Ireland

FWO - The Research Foundation – Flanders

Fundation for Polish Science

DFG - Deutsche Forschungsgemeinschaft

CSIC – Consejo Superior de Investigaciones Cientificas

Academy of Finland

INFN – National Institute of Nuclear physics

CNR – National Research Council of Italy



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Next Step

Paris December 14th

Experts:

1. Write the first draft of the rationale and the complete description of the framework. (*First release*)
2. Revise the scheme to fit all types of participating MOs and define the common landscape. (*Dec. 2010 - ongoing*)



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Thank you !