

Workshop Research Internationalisation

Milano, March 4, 2014

Set up

1. Starting discussion
2. Analytical framework
3. Selected topics
4. Your plans

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Starting discussion:

1. Internationalisation of research
or
Research in the context of Institutional
Comprehensive Internationalisation
2. Expectations and focus of workshop

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Some essential points (from Hans de Wit presentation for Colombia):

Internationalisation in higher education is more affiliated with *teaching and learning* than with research, but increasingly is seen as an essential part, in particular for research universities

Research is assumed to be *international by nature*, but complexity of research, priorities, its international dimensions and funding challenges require a more strategic approach

Research does require increasingly *central facilities* (funding, access to external funding, legal aspects) but continues to be more a researcher and research group strategy than an institutional one.

Meaning of Internationalisation of Research

Internationalisation of research is an *interplay between internal and external driving forces* and the responses made to those forces at the institutional and individual level within the research system.

Among the *driving forces* external to research system are the *globalisation of the economy, various political initiatives, new possibilities to communicate and a strengthened recognition of knowledge as an important production factor.*

On the other hand, it is also important to be aware of possible *obstacles* to the internationalisation and of its' *negative consequences.*



Internationalisation of research is on the *output side* e.g. manifested in an increase of internationally co-authored publications and patents, international conferences and research programmes and projects, as well as contacts between individuals, institutions and states.

The focus in the literature on internationalisation of research lies on mobility studies and bibli-metric studies, while there is less literature that explicit concerns *the driving forces and the effects of research policy on internationalisation.* “

Internationalisation of Research: Challenges

The **big challenges facing humanity** require an international effort by science

National science systems do not have sufficient capacities and financial resources for shouldering the investments which are needed for large-scale research facilities and projects.

International networks of research collaborations and global strategic alliances are emerging, particularly in the natural and engineering sciences, in addition to bilateral and trilateral international cooperation.

The Challenges 2

The internationalization of production capacities is now followed by the **internationalization of development and research capacities**. Countries are fiercely competing with each other as potential hosts of research centers.

Companies are building links with research institutes and universities at their production, research and development sites in order to find more specific solutions to problems they face in the development of new products, processes and services and to translate the researchers' new ideas into marketable products more quickly.

Students and researchers today are also more mobile than ever before. They are looking for the best working groups in their fields, and institutions around the world are seeking to attract them.

National factors influencing internationalisation of research: Discussion

How relevant is the national research policy for the internationalisation of research at your institution, and does that policy include an international dimension and if so, what are its main characteristics?

How much incentives and which one come from the national level for your research internationalisation?

How much is the private sector in your region, country or international a factor in the internationalisation of your research and in which way?

Indicators for Funding Agencies

F 1: Budget for Joint Research Programmes

F2: International co-authored papers

F3: International co-patenting

F4: Budget for attracting researchers from abroad

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Discussion Questions

How central is research to your internationalisation strategy?

Which international/global factors primarily define your internationalisation strategy for research? Are they generic for the whole of the institution or focussed on specific areas/centres of excellence?

Which indicators for RPO's are central for your strategy?

The Institutional Level: Discussion

Which Research priorities you can define for your institution and what is their international dimension?

Which focus areas for research mobility does your institution have?

The same for consultancy focus areas?

What is the interaction between the internationalisation of research and of education at your institution?

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Analytical framework of rationales for international research

	Political	Economic	Social	Reputation	Academic
Individual research					
Research group					
Research centre/institute					
University					
Government					
Funding council					
Regional body					

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Analytical framework of forms for international research

	Info exchange	Mobility	Projects	Networks	Programmes	Institutional cooperation	Strategic associations	Knowledge clusters
Individual research								
Research group								
Research centre/institute								
University								
Government								
Funding council								
Regional body								

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Overview of topics

Linking to international peers	Stimulating participation in international research networks
International PhD cooperation	Participation of graduate students in international research activities
Writing a research proposal for an international programme	Mutual fertilization between mobility/educational cooperation, research cooperation and valorisation
International / regional opportunities for research cooperation (H2020)	Valorisation of research
Choosing limited research priorities on which to focus international cooperation	Internal research support structure: TTO and Subsidy desk
Internal prize competition for international research activities	Research conducive HRM policy (recruitment/promotion & time allocation)

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Separate slides for the chosen topics

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Work sessions

	Topic	Topic	Topic	Topic	Topic
What product/service					
Who to do it					
Who Support, buy in					
With what resources					
When time plan					