

Demonstrating MSI achievements and impacts: Sharing new international developments and practices

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- 1. Two international efforts currently underway:
 - a. Reference framework for assessing the socio-economic impact of research infrastructures
 - b. RI-Paths project
- 2. Where do we go from here
- 3. Next steps





"Framework for assessing the socio-economic impact of research infrastructures" aims to provide funders, decision-makers and RI managers with a tool to evaluate the achievement of relevant socioeconomic objectives and facilitate the communication and reporting to different stakeholders"

- International Expert Group
- Literature review
- Survey (RI Managers, RI stakeholders)
- International 'feedback' workshop
- 4 test-case studies

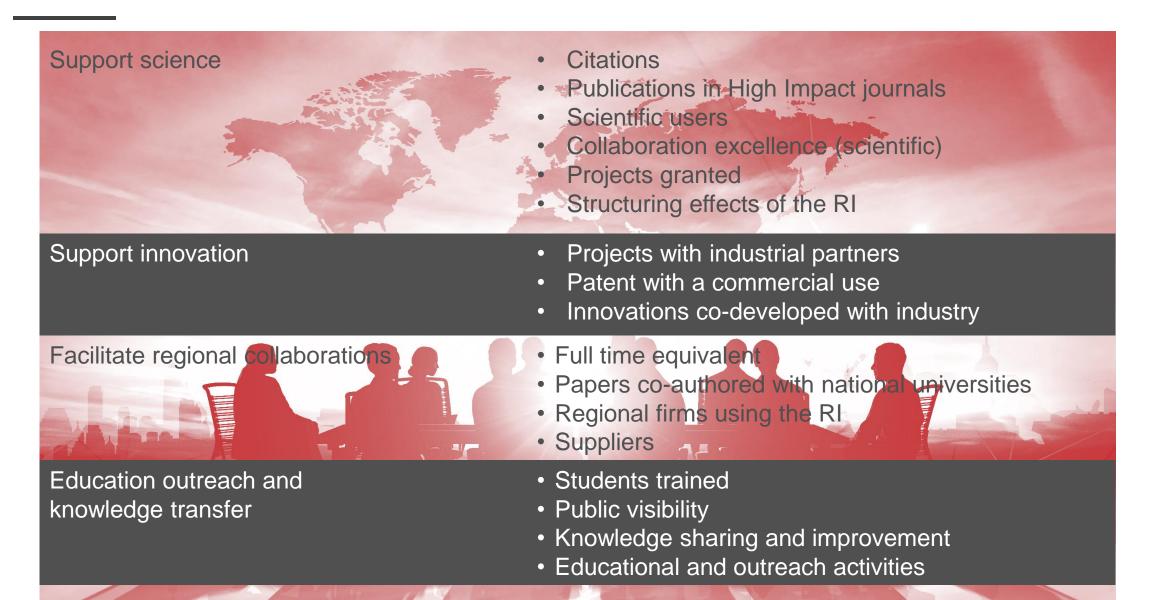


- 25 Core Impact Indicators
 - provide a general picture of the socio-economic impact at a given time
 - can be used by most RIs whatever their type and discipline
- 58 standard Impact Indicators
 - all indicators identified as being in use, or as of interest, by more than one RI
- to help taking into account the specificities of each RI

"While high quality scientific output remains the most important strategic goal of all RIs, their socio-economic impact is broader. It includes cultural, educational, economic and social impact as well as structuring effects of the RI. The Reference Framework addresses this broader scope"



Core Impact Indicators by RI objective:



Core Impact Indicators by RI objective (cont'd):



RI-PATHS project
aims to develop a
model describing the
socio-economic
impact of research
infrastructures (RIs)

- Take stock of existing approaches and map the current and future data gathering needs
- Develop a modular impact assessment (IA) model that represents all major impact pathways of RIs
- Operationalize the IA model by defining a set of reference indicators, providing guidance on monitoring and evaluation approaches and testing feasibility with pilot RIs.

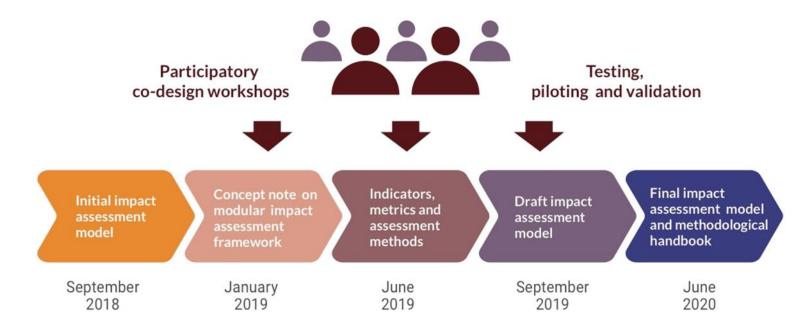




RI-PATHS approach

Participatory process

Research infrastructure stakeholder community





Impacts should be considered from a process perspective, i.e., insistence on indicators and counting 'numbers' should be avoided.

Things to keep in mind:

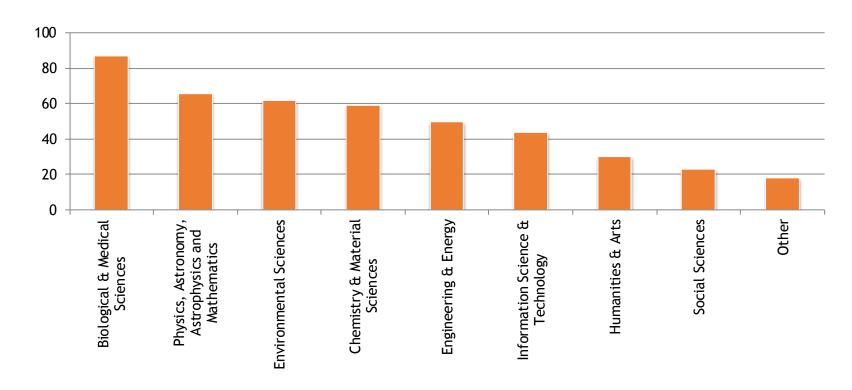
- Impacts result from interactions and depend on 'enabling conditions'
- Impacts may only materialize over a medium to long term
- Many of the impacts are intangible
- Impact must be assessed based on RI type and objective
- While some impacts are primarily economic and capable of being evaluated in monetary terms, many others – and especially those relating to environmental or social effects – may have to be evaluated qualitatively



Survey of RI

Scientific fields and geographic distribution

Scientific fields of activities



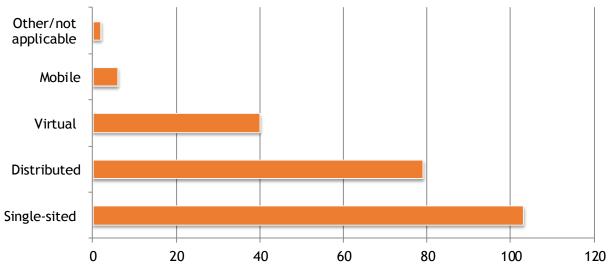


Survey of RI

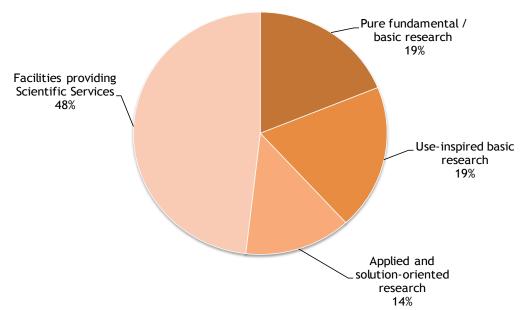
Types of RI

Respondents distribution according

to international classification



Respondents distribution from RI-PATHS classification





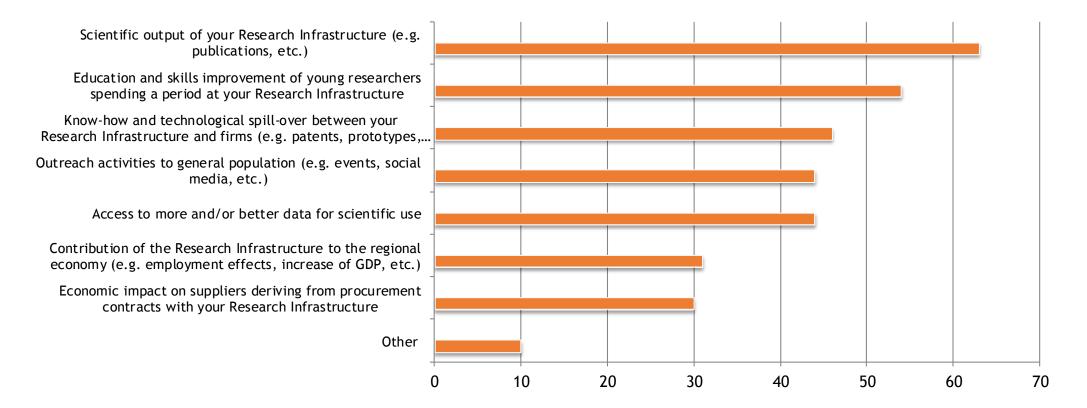


Survey of RI

Current and past experience with impact assessment (IA)

Aspects assessed in the frame of socio-economic impact assessment, from respondents' experience







Key ingredients of the IA framework

- Broad validity, fitting with a wide range of evaluation questions and typologies of RIs. Balance between common rules and flexibility - modularity
- Useful references and a 'menu of options' for different assessment needs
- Support the lifecycle of a RI from construction through to operation phases
- Credible and usable tools and guidance to RI managers for their application





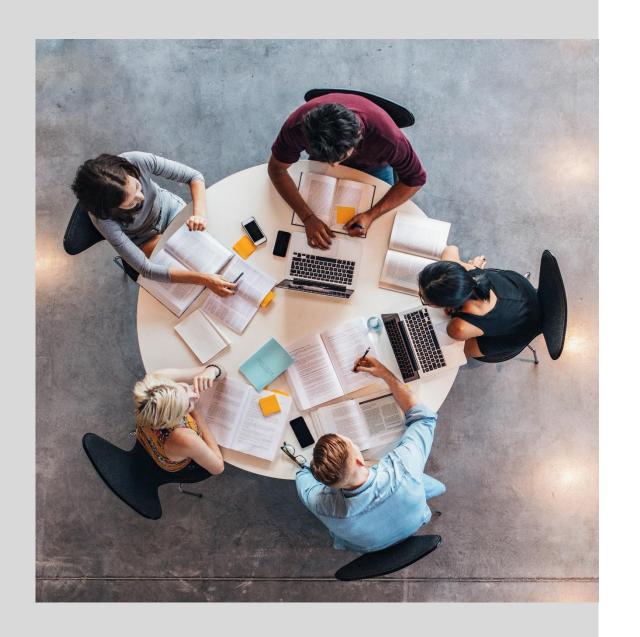
Any questions related to these European initiatives, or their link to our efforts?





Where to from here & how does this help us?

- We seem to be on the right track: the core MSI KPI are included in the OECD framework
- Continued participation in global initiatives and sharing of challenges and best practices
- Look for opportunities to improve effectiveness and efficiency



Discussion questions:

- 1. How does your facility interpret: 'demonstrating', 'achievements', 'impacts' (ranging from scientific to societal)?
- 2. What are the key challenges for your facility to demonstrate achievements and impacts to various stakeholders?
- 3. What are some good practices and available tools your facility uses to identify, collect & track, format, and communicate/distribute achievements and impacts?

