

*Synergies between the ESIFs and
H2020 -
Research Infrastructures*

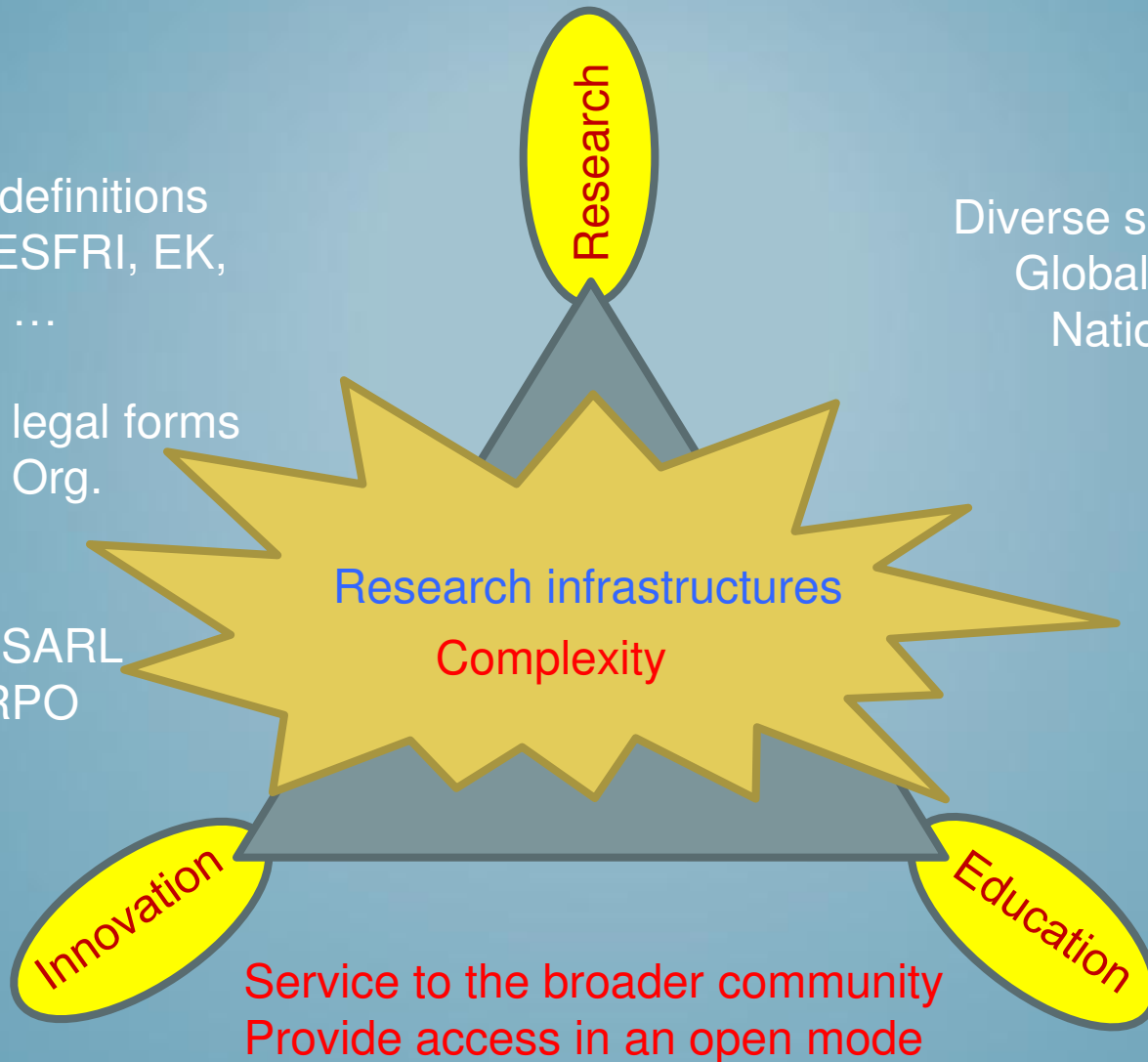
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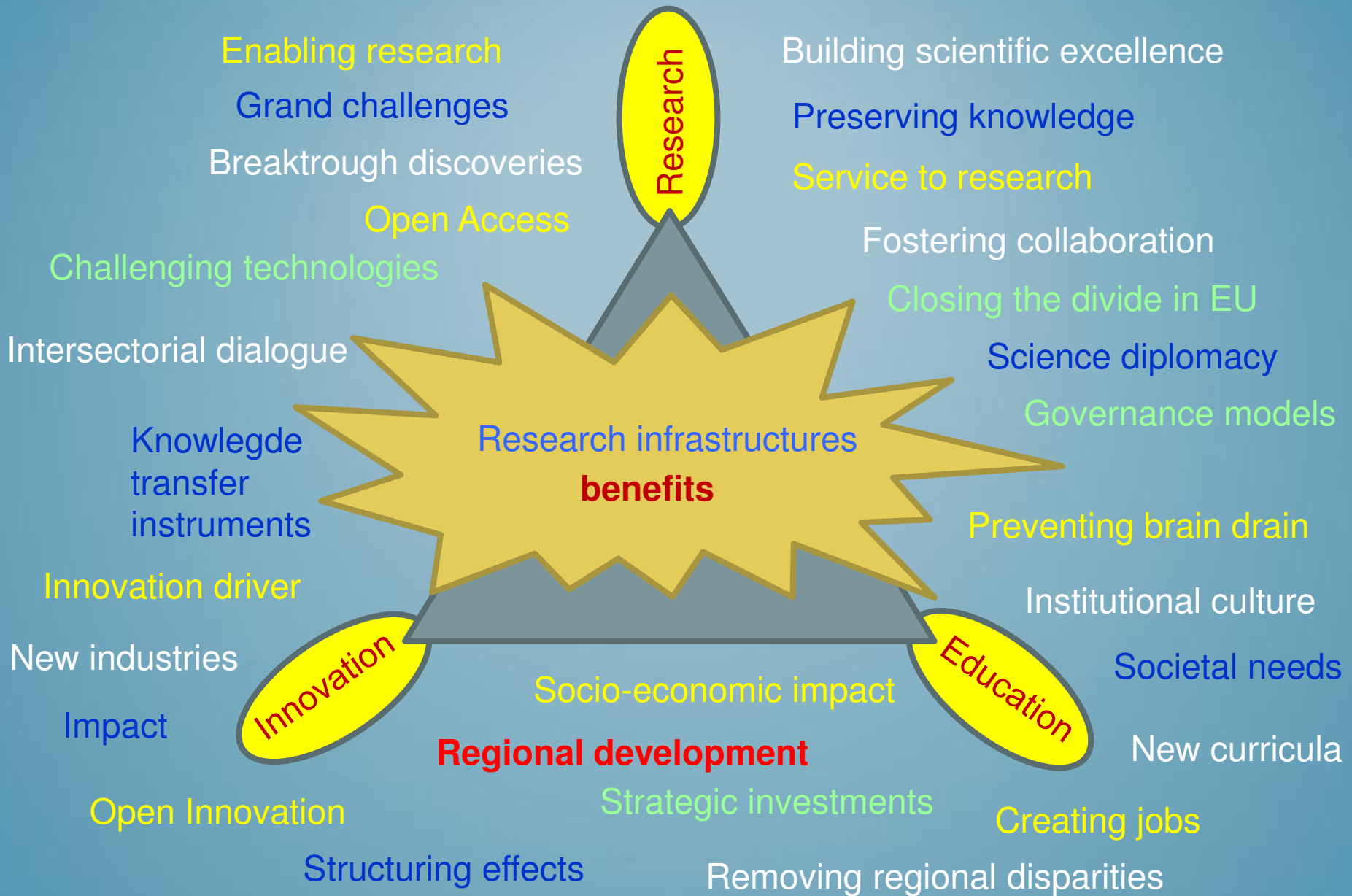
Diverse definitions
OECD, ESFRI, EK,
National ...

Diverse legal forms
Internat. Org.
ERIC
AISBL
GmbH / SARL
Part of RPO
etc/.

Diverse sizes and types
Global. International
National, Regional
Institutional

Single sited
Distributed
Virtual



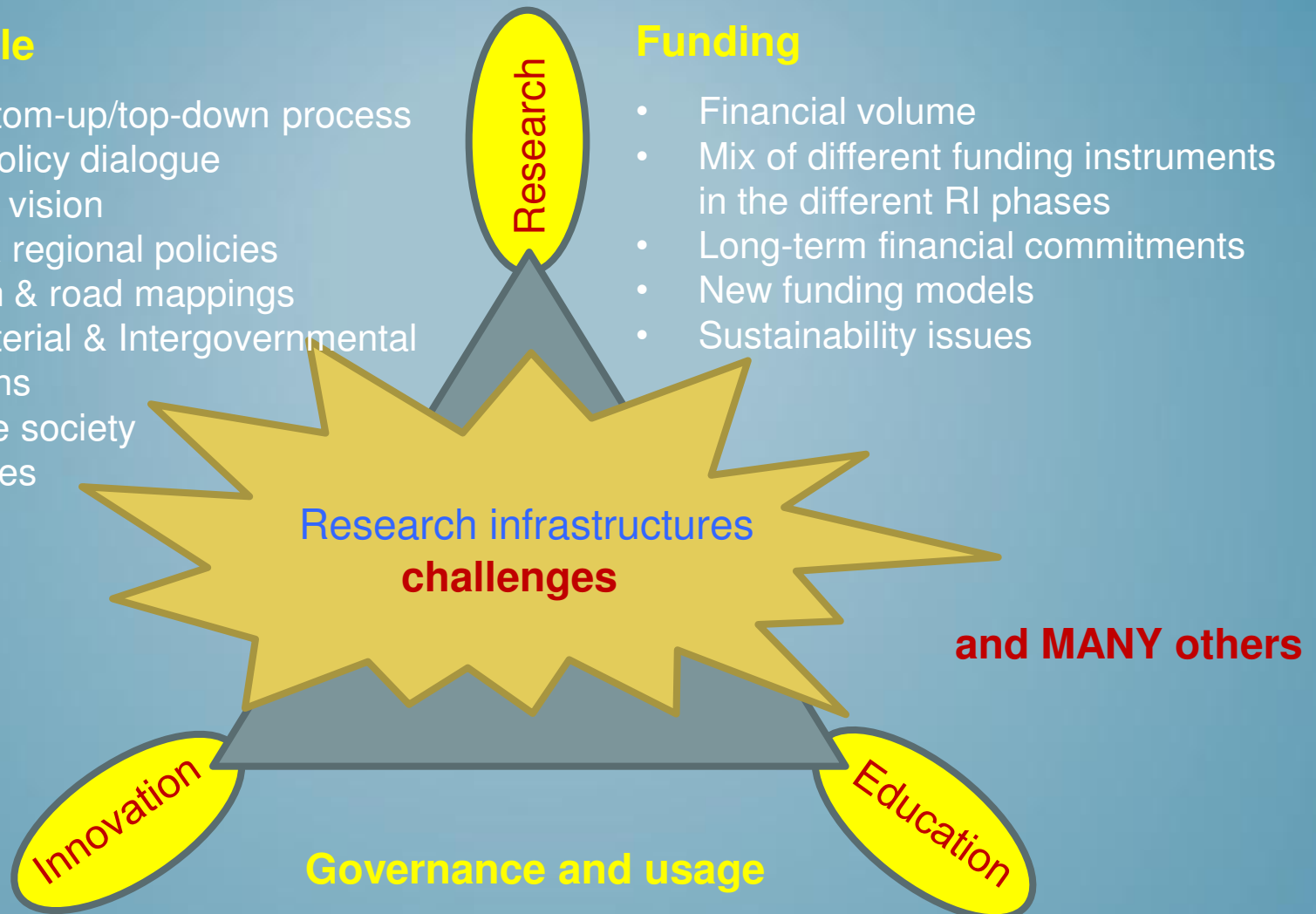


Strategic role

- Mix of bottom-up/top-down process
- Science-policy dialogue
- Long term vision
- National & regional policies
- Evaluation & road mappings
- Interministerial & Intergovernmental negotiations
- Role of the society
- Legal issues
- PPP

Funding

- Financial volume
- Mix of different funding instruments in the different RI phases
- Long-term financial commitments
- New funding models
- Sustainability issues



- Mix of project based and institutional like funding depending on different RI phases
- Different expertise required in the in the different RI phases – business model
- Research infrastructure vs. Research center and implications of these
- RI as service to the broader community, access issues & user policies
- Ownership and IPR issues, (inter)national relevance and links

DG RTD has recently issued an publication Synergies between the R&I Framework Programs and the European Structural & Investment Funds „EU Funds working together for jobs & growth“:

<http://ec.europa.eu/research/pdf/publications/ki-01-16-339-en-n.pdf>

This publication showcases examples of synergies between the Framework Programs and the Structural Funds that have emerged in the past across Europe. The **Common Provisions Regulation** for ESIF stresses the importance of synergies; in particular, synergies between ESIF and H2020 including in the design and **implementation of RIS3** strategies that outline the priorities for ERDF investments.

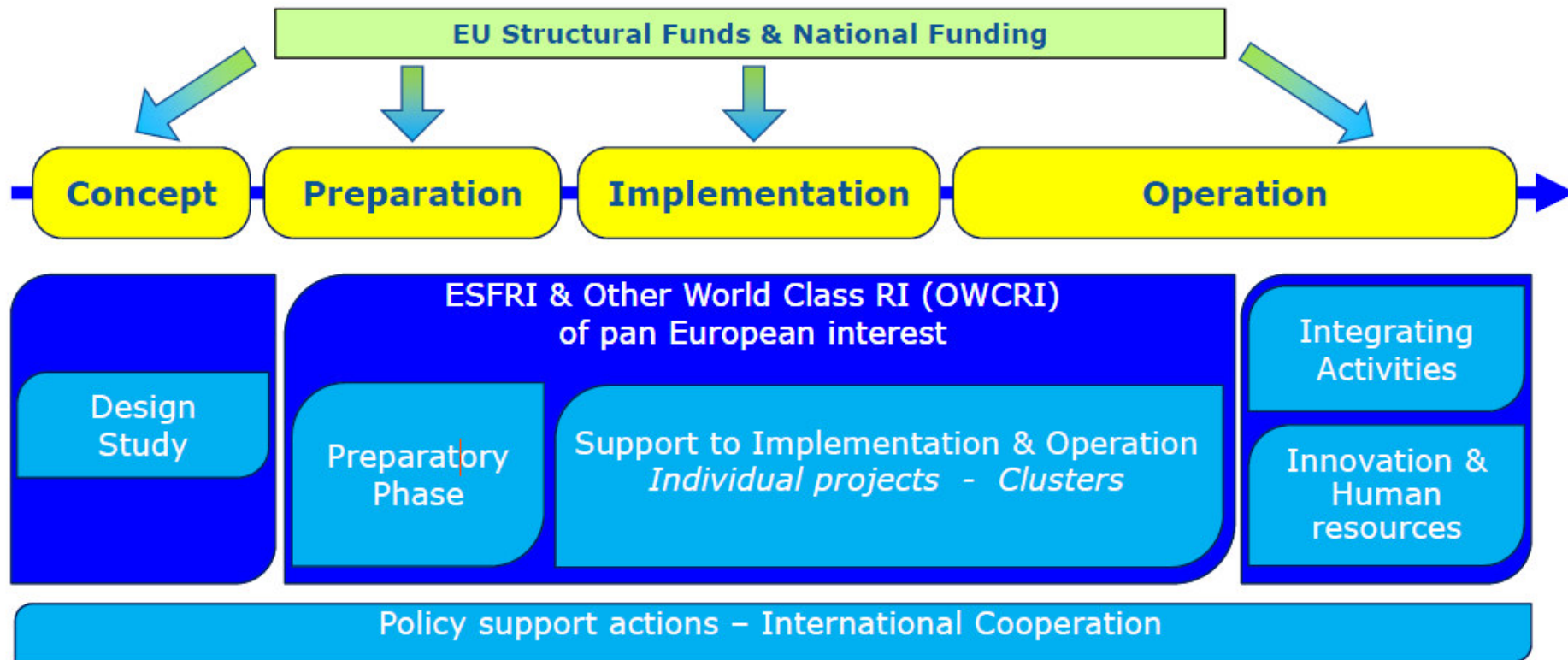
It lists several examples on strategic and programming level (EST, RO, SK, D) and many examples of synergies on project level including RI projects **ELI** (CZ, HU, RO) and **ESS** (SE and DK) of the ESFRI Roadmap are supported by both the Framework Programmes and ESIF.

More information on synergies:

http://ec.europa.eu/regional_policy/sources/docgener/guides/synergy/synergies_en.pdf

The „big“ RI – the ESIF/H2020 perspective

A Coherent Toolbox of Activities



H2020 Research infrastructures (including e-infra)

2 488 M€

WP 2016-17

- *Development and long-term sustainability of new pan-European RIs*
- *Integrating and Opening RIs of European interest*
- *e-infrastructures*
- *Fostering the innovation potential of RIs*
- *Support to policy and international cooperation*
- *Contribution to the political priorities of the new Commission's Agenda*
- *More integration with other cross-cutting issues of Horizon 2020, to exploit synergies and complementarities*
- *Promotion of world class RI, emphasis on innovation, reinforcing international cooperation and data exploitation*
- *Fostering the long term sustainability of RIs, support to large scale initiatives for innovation*

Open Calls in H2020

INFRADEV: supports the development of new sustainable world-class research infrastructures identified by ESFRI, to respond to challenges in science, industry & society

- INFRADEV-02-2016: Preparatory Phase of ESFRI projects *Deadline 22.6.2016*
- INFRADEV-04-2016: Individual support to ESFRI & OWCRI

EINFRA: prototyping innovative e-infrastructure platforms and services for research and education communities, industry and the citizens at large

- EINFRA-21-2017: Platform-driven e-infrastructure innovation (PPI) *Deadline 20.9.2016*

Forthcoming Calls in H2020

- INFRADEV-01-2017: Design Studies
- INFRASUPP-02-2017: Policy and international cooperation measures for RI
- EINFRA-12-2017: Data and Distributed Computing e-infra for Open Science
- EINFRA-21-2017: Platform-driven e-infrastructure innovation (RIA)
- INFRAINNOV-01-2017: Fostering co-innovation for future detection and imaging technologies

Alignment of ESIF (EFSI) and H2020 (with national policies)

- RIs are (in principle) understood as important drivers for regional development and competitiveness
- Common Provisions Regulation of ESIF include a legal mandate to maximize synergies between EU programs (ESIF, H2020, ERAŚMUS, COSME etc.)
- Common European policies are being developed (CSF, PA, RIS3, NRP, EMM...)
- Common strategic views were developed and shared (ERA, ESFRI, e-IRG,...)

HOWEVER issues exist !!!

At the EU level

- Different objectives - Cohesion (ESIF) vs. Excellence (H2020)
- Different sets of rules (f.e. accounting and reporting principles)
- Coherence in decision processes, procedures and timelines
- Auditing a procurement
- pan-European character of RI (distribution, metaregional RI, PRF)

At national level

- Lack of common understanding of the RI's strategic role
- National vs. regional and institutional policies
- Different ministries and administrative bodies involved
- Different procedures, timelines, indicators ...
- Sustainability issues
- etc.

The Czech case

2007-2014 Operational Programme “**Research and Development for Innovations**”, which is focused on reinforcing the research, development and pro-innovative potential of the Czech Republic. It supported the equipment of research facilities with modern technology, construction of new research facilities and expansion of tertiary education by **2.07 billion €**. It consists of 5 priority axes:

- European centers of excellence (6 centers including ELI)
- Regional R&D centres of competence (42)
- Commercialization and popularization of R&D
- Infrastructure for university education linked to R&D
- Technical assistance

2015-2020 Operational programme „**Research, Development and Education**“ further develops human resources for knowledge-based economy and sustainable development in a socially cohesive society (**2.77 billion €**). Greater focus on universities, linking of modernization of research infrastructure and equipment (“hard activities”) and development of research teams and their capacities (“soft activities”), support for strategic partnership in the area of research and development, and utilization of regional R&D centers built in the 2007–2013 period.

- Strengthening capacities for high-quality research (RI, excellent science)
- Development of universities and human resources for R&D
- Equal access to high-quality pre-school, primary and secondary education
- Technical assistance

What to do in preparation of a medium/large RI project?

- Be aware of differences between a research center and a RI and adjust your project accordingly
- Organize in a structured way the national scientific community
- Define the needs and opportunities including existing facilities
- Claim excellence and make the **science case** clear
- Seek complementarities and synergies with existing Ris (nationally – internationally)
- Consider the entire RI lifecycle and make the proper project planning
- Start to develop the **business case** in very early stages of the project planning
- **Start the communication with the local/national authorities very early / involve them at strategic and program levels**

THANK YOU
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