The Research Infrastructures Programe and its NCP Network RICH

Laura Mohedano

lmohedano@eu-isciii.es

Instituto de Salud Carlos III, Spain

Brussels, October 20th , 2015

Research Infrastructures Horizon2020

- Research infrastructures are facilities, resources and services that are used by the research communities to conduct research and foster innovation.

- Can be single-sited, distributed or virtual

- E.g. telescopes, accelerators, research vessels, coastal observatories, natural habitats, knowledge based resources, collections, archives, etc

- The definition includes e-infrastructures: structured information systems related data management, enabling information and communication; technology- based infrastructures: grid, computing, software and middleware
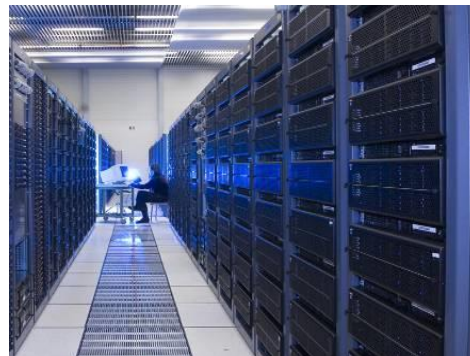
© Shutterstock

Knowledge-based resources

e-infrastructures

Major scientific equipments

MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD

Instituto
de Salud
Carlos III

Examples of Research Infrastructures

3

Why an EU approach for Research Infrastructures?

- To **open access** to the research infrastructures existing in the individual Member State to all European researchers

- To **avoid duplication of efforts** and to coordinate and rationalise **the use** of these research infrastructures

- To trigger the **exchange of best practice**, develop interoperability of facilities and resources, develop the training of the next generation of researchers

- To **connect national research communities** and increase the overall quality of the research and innovation

- To help **pooling resources** so that the Union can also acquire and operate research infrastructures globally

MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

Instituto de Salud Carlos III

Horizon 2020 – Framework Programme for Research and Innovation (2014-2020)

Excellent science

- European Research Council
- Future and Emerging Technologies
- Marie Curie actions
- **European Research infrastructures (including e-infrastructures) – 2,488 M€**
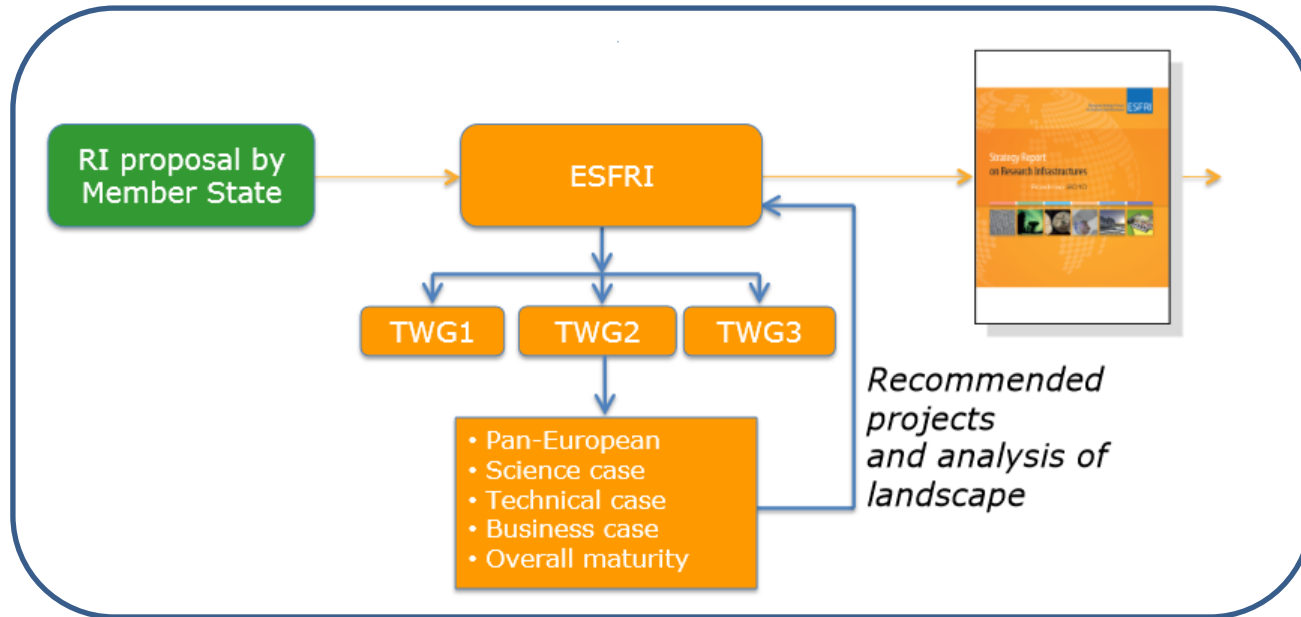
Societal challenges

- Health, demographic change, wellbeing
- Food security, sustainable agriculture, marine -maritime research, bio-economy
- Secure, clean and efficient energy
- Smart, green, integrated transport
- Climate action, resource efficiency, raw materials
- Inclusive, innovative and reflective societies
- Secure societies

- Spreading excellence & Widening Participation
- Science with and For Society
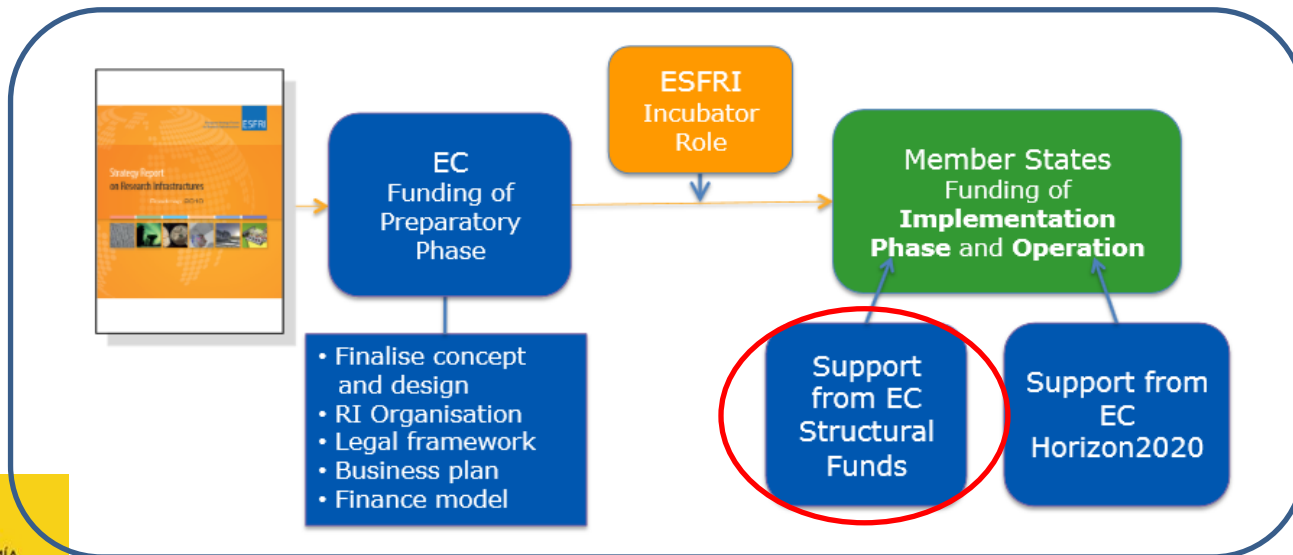
Industrial leadership

- Leadership in enabling and industrial technologies (ICT, space, nanotechnologies, advanced materials and advanced manufacturing and processing, biotechnology)
- Access to risk finance
- Innovation in SMEs

RICH Project – Research Infrastructures Consortium for H2020

ESFRI: European Strategy Forum on Research Infrastructures

Synergies between ESIF and H2020 for Research Infrastructures

- The Innovation Union included a commitment to complete or launch construction by **2015** of **60%** of the ESFRI roadmap priority Research Infrastructures of pan-European interest. This requires investments beyond the means of individual countries – **pooling of regional, national and European Union funds is thus necessary.**

- Member States are requested to **link national research infrastructure roadmaps** to the **ESFRI roadmap** and **Smart Specialisation Strategies** in order to have the possibility of using **Structural Funds**

- There are some conditions and/or constraints for the use of the Structural Funds:

> ✓*Smart Specialisation ex-ante conditionality*
> ✓*Thematic Concentration*
> *(both under Cohesion policy)*

MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

Instituto de Salud Carlos III

Examples of Synergies

1. ELI – Extreme Light Infrastructure

Initiated in 2005 and listed on the ESFRI roadmap of priority pan-European RI, ELI is pioneering a novel funding model combining a **€6-million FP7 grant for the preparation of the project (2007-2010)** with the use of **structural funds (until 2017) for the implementation** and **national contributions** to a pan-European consortium (ERIC) for the **future operation**.

In this case, Structural funds represent an opportunity for the development of research infrastructures and scientific communities in the newer Member States of the EU. The availability of structural funds (**in total about €850 million allocated to ELI**) in the hosting countries facilitated the site decision and a swift transition towards implementation

MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD

Instituto
de Salud
Carlos III

RICH: European Network of National Contact Points for Research Infrastructures programme for Horizon 2020

✓ Started January 2015 (4 years)

✓ Facilitates transnational cooperation between NCPs

✓ Promotes the effective implementation of the RI programme

✓ Supports transnational and virtual access to RIs and highlights the opportunities offered by Research Infrastructures

The Network builds on the experience of previous networks of National Contact Points for the Research Infrastructures programme (FP7: EuroRIs-Net and EuroRIs-Net+, 2007-2013).
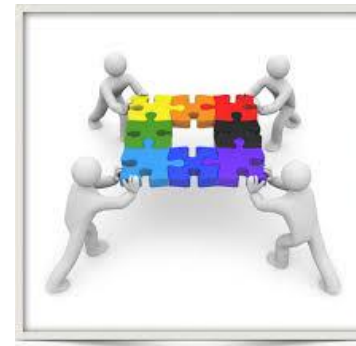

RICH Project – Research Infrastructures Consortium for H2020

MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD

Instituto
de Salud
Carlos III

RICH Objective

The specific objective of **RICH** (**R**esearch **I**nfrastructures **CO**nsortium for **H**orizon 2020) is to **facilitate trans-national co-operation between NCPs** for research infrastructures with a view to **identifying and sharing good practices** and raising the general standard of **support to programme applicants**, taking into account the **diversity of actors** that make up the constituency of the **Research Infrastructures Programme**

Three main fields of activities:
1. **Capacity building;**
2. **Mutual learning;**
3. **Interaction with stakeholders**

WP1: Project management - WP Leader: APRE (Italy)
- ✓ Management and a punctual administrative and financial management
- ✓ Communication within the Consortium and towards the European Commission,
- ✓ Liaison Officer takes care of the communication with the Associated NCPs

WP2: Capacity Building - WP Leader: FCT (Portugal)
- ✓ Assessment of the skills in order to fine tune the training
- ✓ Activities and triplings organised within the work package
- ✓ Three different types of training are foreseen in order to cover the main H2020 aspects:
  - • Basic for new comers: "Becoming RICH welcome pack"
  - • Advanced for the whole network "Open training" on specific RIs issues
  - • Legal and Financial aspects in collaboration with the NCP Academy

RICH Project – Research Infrastructures Consortium for H2020

MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD

Instituto
de Salud
Carlos III

WP3: Dialogue with RIs Ecosystem - WP Leader: GSRT (Greece)

- ✓ Widen the relationships between major RIs players (ESFRI, Structural Funds managers, Smart Specialization Strategy stakeholders, national and regional authorities).
  - organisation of EU Symposia and infodays
  - closer contacts and knowledge of global RIs and TAS users

WP4: Communication and Dissemination - WP Leader: STIS (Belgium)

- ✓ Raising awareness among the RIs stakeholders about the project services and support given by the NCPs in their own countries
- ✓ Promotion of TAS opportunities.

MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD

Instituto
de Salud
Carlos III

RICH Consortium

- ✓ 11 partners
- ✓ Mixture of ¨new commers¨ and ¨experience¨ NCPs
- ✓ All partners at least leader of one Task
- ✓ All partners institutions have an officially appointed RIs NCPs

Beneficiary Number	Beneficiary name	Beneficiary short name	Country
1	Agenzia per la Promozione della Ricerca Europea	APRE	IT
2	Fundação para a Ciência e a Tecnologia	FCT	PT
3	ETHNIKO IDRYMA EREVNON	EKT/NHRF	GR
4	Service d'information scientifique et technique	STIS	BE
5	Österreichische Forschungsförderungsgesellschaft	FFG	AT
6	Deutsches Zentrum für Luft- und Raumfahrt	DLR	DE
7	Instytut Podstawowych Problemów Techniki Polskiej Akademii Nauk	IPPT-PAN	PL
8	Verein Euresearch	Euresearch	CH
9	Commissarait à l'Energie Atomique et aux Energies alternatives	CEA	FR
10	Technology Centre ASCR	TC ASCR	CZ
11	Instituto de Salud Carlos III	ISCIII	ES

http://www.rich2020.eu/

Manny thanks for your attention and the invitation!!

MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD

Instituto
de Salud
Carlos III