



# The Future of EU support for Research Infrastructures - A personal perspective

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# FP7 RI Actions

## Existing Infrastructures

Integrating Activities

e-Infrastructures

## New Infrastructures

Design Studies

**ESFRI**

Construction

Preparatory Phase  
(Implementation)

**Policy Development**



# Policy Development

## EU support for studies

MERIL – database of RIs in Europe

EIRIISS – study on engaging industry in  
technology development and supply

ICRI – international RI conference hosted  
by Danish Presidency



# Horizon 2020

Excellent Science

Industrial Leadership

Societal Challenges



# Excellent Science

## ***European Research Council***

Frontier research by the best individual teams

## ***Future and Emerging Technologies***

Collaborative research to open new fields of  
innovation

## ***Marie Curie Actions***

Opportunities for training and career development

## ***Research Infrastructures***

*(including e-infrastructure)*

Ensuring access to world-class facilities



# RI in H 2020

Core elements of H2020 remain  
substantially the same as FP7

Integrating activities, New Infrastructures,  
e-Infrastructures, Policy development

FP7 budget 1.7 bn euro,  
H2020 proposal 2.5 bn euro



# New in H 2020?

Call for topics for Integrating Activities in 2012

More on implementation to support ESFRI projects

- what will be supported?
- How much “operation”?

Increase engagement with industry

- Industry scheme?
- In Integrating activities and/or implementation awards?
- Technology roadmap and portal for industry ?



# Policy issues

## Database commitment?

“Horizon 2020 will facilitate the efforts of Member States to optimise their research facilities by supporting an up-to-date EU-wide database on openly accessible research infrastructures in Europe.”

Greek Presidency Conference  
Early 2014





# Timetable

2012 – High level specific programme

2013 – detailed specific programme

Late 2013 – first work programme and  
calls

Early 2014 – calls approved

Budget agreement depends on  
Multiannual Financial Framework...



# MOFRI/MERIL response?

- Defend the budget
- Demonstrate the benefit and impact
- Build and use MERIL for researchers and policy makers
  - Show the standards and quality
- Work with partners like Science Europe and ERF to feed input to ESFRI, EC and Committees



Science & Technology  
Facilities Council

# Thanks

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# Integrating Activities

Awarded to sector clusters  
eg synchrotrons, ships, or social databases

Networking  
Transnational access  
Joint service development projects

Awards of up to 10m euro over four years  
Sectors pre-selected for inclusion in calls



# e-Infrastructures

HPC - PRACE

Communication Network – GEANT

Adoption of GRID capabilities:  
E-Science Environments (for sectors)

Data Infrastructures

Global Networks



# ESFRI

Intergovernmental body managed by EC  
Roadmap of RIs that are key to future  
research requirements in their sectors  
2006, 2008, 2010 editions  
Advisory to Member States who chose  
what to build – not prioritised  
Policy work on evaluation, regional RIs,  
new study on implementation



# Design Studies

Support for sector groups to develop the  
case and design for a new  
European level infrastructure

Potential candidates for inclusion in the  
ESFRI Roadmap in future

Award of up to 5m euro



# Construction

## Preparatory Phase

Support for projects on the ESFRI Roadmap to prepare the project for approval – consortium development, technical specification etc.

Award of up to 5m euro





# Construction

## Implementation

ERIC regulation for the formation of a new  
multinational RI

Joint technical projects

ERIC operation support

Access (as ERIC or IA)