



Horizon 2020 & Umbrella

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Consultation on possible topics for future activities for integrating and opening existing national research infrastructures

Assessment report February 2013

ICT 06 PaNdata followup proposal incorporated in list

Access to a Global Federated Data Infrastructure for Scientific Data from Physical and Analytical Facilities and integration with a Data Analysis Framework

CRISP SC Meeting May 2013

Proposal CERN

IT and Data Management, covering all clusters meeting with responsible other clusters on the 12th of July

Proposal CRISP topics

24th of June

Questionnaire in relation to possible topics for a proposal within Horizon2020”

Umbrella proposal?

- Should we do lobbying at DG connect?
- In which kind of project could we put Umbrella?

The vision of IT infrastructure for the simulation, analysis and data management requirements of Ris operated by EIROforum labs has been described in a common document:

“A Vision for a European e- Infrastructure for the 21st Century”

CERN believes this vision is relevant to all the RIs involved in CRISP and the other ESFRI cluster projects (BioMedBridges, DASISH, ENVRI). A key part of this vision is the role of the research infrastructures and their users in the governance model:

The vision explicitly relates to industry and suggests that the Helix Nebula initiative which is exploring how research organisations in different disciplines can make use of commercial cloud services provides a good mechanism for working with the IT industry: “Helix Nebula: The Science Cloud, A Catalyst for Change in Europe”

A Vision for a European e- Infrastructure for the 21st Century

The era of “Data Intensive Science” has begun.

A key feature should be that established services be operated by European industry, while development of new services may be publicly funded. The proposal has 3 distinct layers of services:

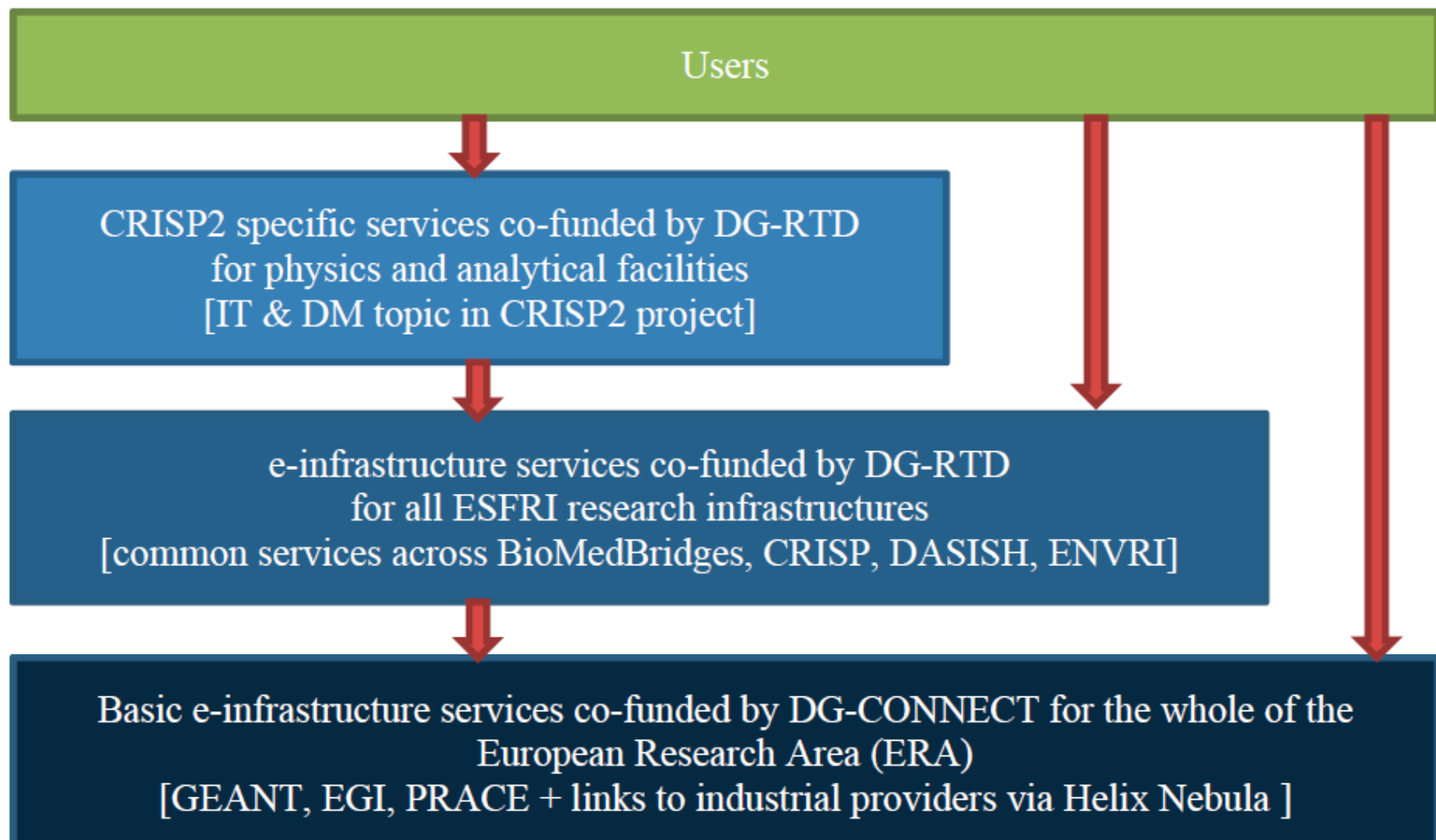
- 1.ID management and federations across European RI's
- 2.A small number of facilities to provide cloud and data services of general and widespread usage.
- 3.Tools to help build applications: e.g. tools to manage data, storage, workflows, visualisation and analysis libraries, etc.

A Vision for a European e- Infrastructure for the 21st Century

4. Tools and services to allow researchers to integrate everyday activities with the e-Infrastructure: collaborative tools and services; office automation, negotiated licensing agreements etc. Services would be operated by industry or on the facilities

5. Tools to help research communities engage the general public as citizen scientists.

As discussed at the steering committee meeting in Frankfurt, we foresee the following scheme for how CRISP2 could benefit from the EC investments in e-infrastructures:



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Thank you for your attention!