



ROADMAP 2016

European Strategy Forum
on Research Infrastructures

ESFRI

1° Exchange of Experience Workshop

SUMMARY

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STR ESFRI

1st Exchange of Experience Workshop (EoE)
Making effective use of Horizon 2020 Preparatory Phase Funding
Wednesday, March 9th 2016, Amsterdam

Bohmert

BOHMERT: key performance indicators

Distributed infrastructures : single point/central Hub vs. nodes

Management skills, project organization must lead logically to the final legal structure

Role of General Assembly, Advantages/disadvantages of ERIC vs. semi-private status

Funding: many projects have substantial financial problems, Countries are uneasy to determine funding if legal governance is not fixed.

Stakeholder commitment structure

Central HUBs must have substantial coordinating power, procurement, human resources etc.

Governments are uneasy to decide if the above is not clear.

Landmarks and Projects are under our

WADE awareness of Govt.

CHANG 100% commitment not from the start

FROISSARD SPECIFY BETTER THE KIND OF SUPPORT WE ARE ASKING TO THE COUNTRIES

Tuinder

PP Funding under H2020

Funding: 24 MEURO total up to 4 Meur / each (3-4 years)

Timeline: 15 march 2016 deadline 22 june 2016

Consortia, at least the proponents.

END of PP: readiness to get the final financial commitment

-legal and financial agreements

EARLY PHASE 8 MEUR, up to 2MEUR for emerging projects, to reach maturity to succeed to go on the list. (2-3 years)

THE ABOVE ARE GRANTS, evaluated by external aspects

LIFECYCLE approach to the grants

WHATABOUT 2018 and 2020 WPs with respect to PPs

Panel

Richar Schilizzi **SKA** bid data exascale project West Australia + South Africa (25 years)
Now pre-construction pohase, construction 2018

2005 funding agencies group for SKA
2004 Site selction

2008/12 PP forml MoA. Central coordination.

4 aspects of success of PP **funding agencies took th lead in the PP WPù**

Top level Govt. Involved in the site selction.
Lobbying for sites
Design propoerly reviewed
PP funding provided external pressure to reach decision

SKAO on the awy to concnstruct and operate.

Section 1

Panel 1 on Governance

Werner Kutsch ICOS - eu pillar of global observation system to provide this information

Finland put money in the head-office

Initial community of scientists and stakeholders providing funds and need to be convinced

Scientist EGO vs. reality tests

AVOID double or triple roles, Scientists in Boards instead of ministerial people, do not mix roles !

Active role of stakeholders. Ask ministries to send to the board (prototype of general assembly) decision were transferred from PP to GA.

NATIONAL roadmaps OUT OF PHASE some Countries got money in different years.

STANDARDIZATION requires broad discussion, but at some point impose top-down to adopt it

DATA LIFECYCLE and POLICY, in detail.

Panel 1 on Governance

ANDREW SMITH ELIXIR very crucial is the post-PP INTERIM phase

Mission is to coordinate and store massive data in the bio sciences, distributed with 17 members/2 observers.

PP 2007 – 2012 and then 1.5 years for producing the legal EMBL Permanent phase end of 2014.

MoU allow Countries to contribute, beyond PP.

PP should be spent in understanding what scientist need and how to provide services and access which implies governance and trust from stakeholders,

All member states go with a different pace, UK 3 weeks, Finland requires Parliament ...

MoU allowed to build a secretariat and build the elixir. Members have voting rights, observers no.

Head of nodes: each node can have several institutes, but must become a single legal entity to communicate at head of nodes level with ELIXIR.

Very strong Science Board.

Panel 1 on Governance

QUESTIONS:

EMPHASIS how to link industry into the government of RI, Eilxirt has sceintists from Industry in the advisory boards, SKA not in the boards

HOW TO MANAGE NODES ?

ERIC IS A SMALL UNIT TO MANAGE but the RI is bound to the ERIC

ELIXIR each node has internal agreement and and agreement between ELIXIR and Head of Nodea.
Legal agreement bwtween nodes and HUB.

EMBRC How much legal service in-house do you need ? External company + EMBL. 1FTY

ICOS hired a legal firm during PP, but useless. Alter Lawyers from Uni, Max Planck

SKA also engaged a legal form.

Canary Island:

ESFRI-weakness of system as it depends on the Governments
They pay all the cost. From a sceince point of view it is a pity.

WADE on Distributed models budget fo rhubs were small and it appear4ed tha it would be difficultl to deliver the coordinatin role on small budget

Panel 1 on Governance

WADE on Distributed models budget for ubs were small and it appeared that it would be difficult to deliver the coordinatin role on small budget.

Observers are candidate members stes ? Interim phase MS became observer but in the perspective tio become members.

Marinerg-i emerging

FRACTAL

Panel 2 on Funding

A. Calvia-Goetz what it takes to reach financial / managerial maturity

Overall funding cycle. Adaptive Business Model: Sustainable funding and bankability

Funding Cycle: an RI look like a Start-Up must cross the Death valley

Template for Business plan: check list to enable designing a funding strategy

- Trust, Reliability, Skill Sustainable Funding and Bankability
- Long term investment, multi-Country approval, short term needs,
- Cultivate credibility
- ERIC objectives and Strategy Vision, Context, Value added must be very clear !
- WHAT SERVICES CAN YOU UNIQUELY OFFER ?
- CAPACITY BUILDING AND TALENT ATTRACTION AND COMMUNICATION AND BRANDING

Section 1

Panel 2 on Funding

JAN-ERIC LITTON: BBMRI it took 3 years to define the ERIC (did not do in the PP) core business Europe, but full international impact.

1 Country one Vote.

GRAZ, heat of node.

Common services, very useful, ask member states agree to tender and

Set up a **“code of conduct”**

Samples and other facilities also not human.

Data Protection Regulation must be understood but can also enable novel actions.

Section 1

Panel 2 on Funding

CARLO RIZZUTO ELI very high power laser

During the PP 2007- it was clear that the technology was not ready.. Two phases needed and 3 pillars (2009-2010)

Change in scoping during the PP.

2010 bid for Structural funds Czech, HU, RO, P.P 3 pillars/3 Countries + 1 future pillar.

Structural funds are not designed for Ris. Work to build the concept of using SF for RI. A company JASPERS worked on this, and it was in the PP, the concept allowed to develop the accounting method for return of investment for investing in Ris. Products are papers, PhD students...

3 Countries were finally convinced.

Start of construction 2014. End of 2015.

Section 1

Panel 2 on Funding

Very different access models for ACTRIS

BBRMI : 22 courts to test access model, give to biobankers, each biobank is calculating differently the costs, then small manual, large, robotized. Leading to a fixed fee for Europe.

DANUBIUS- P.P. then pre-implementation/interim can we now go directly with new RI as deeply analyzed by ESFRI ?

ESS-Lund quite a large amount of money involved, so early work with banks. Leadership and trust, readiness, science credibility...

E-RIHS analysis of impact to support the sustainability. Where to do an impact analysis.

Socio Impact, what if something exists and what if does not exist.

EST, Valley of death: clear possibility of losing momentum. What can be done to minimize the interim phase. If you have Governments then they should fund the preparatory phase and keep the momentum going.

CALVIA: ability to demonstrate that your partners are supporting your ideas.
LOCAL economic benefit.

EMPHASIS one country-one vote?

Panel 3 on Legal Aspects

OEPEN, SHARE, 20 Countries EU and Israel. Data for sci. Publications (5000 users + MS, EU for policy decisions).

Ice-breaker of ERIC and rule understanding like VAT-regime. **Early contacts with ministries, and their departments... choose other legal entities...**

Demotes ECRIN

No ERIC category; in France it is compared to association. It is a private employer in France. VAT issue.

Generate spin-off to strengthen financial sustainability

Susan Daenke INSTRUCT:

Do not underestimate the time to establish a legal format. **Subsidiary Company to University (2 years)** then it was possible to start delivering access and services. Now ERIC step 1.

We are building on our mistakes and on our intuitions, so the stage is set for more experience to be exchanged and to feed back to ESFRI, to the Commission, to the Member and Associate Countries...

Section 1