International Research infrastructures
Decision Making from Flanders to Europe

15-01-2020

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Where do we stand today? Results IRI-1

CMS  
ESRF-DUBBLE  
IceCube  
ICOS  
INSTRUCT  
AnaEE  
ELIXIR  
EUBI  
SHARE  
DiSSCo  

ISOLDE  
METIS  
SPIRAL2  
ESS  
DARIAH  
EMBRC  
PRACE  
LifeWatch  
COB  
ET
ROADMAP

PREPARATION
preparatory phase, business & construction plan, political and financial support secured, data policy & data management plan, cost book,

DESIGN
design study, business case, political and financial support obtained, common access policy, top-level breakdown of costs, governance and HR

CONCEPT DEVELOPMENT
concept screening, consortium formation, access policy and funding concept, scientific and project leadership

Landmark ERIC

IMPLEMENTATION
site construction and deployment of organisation, recruitment, IPR & innovation policies, perennial operations and upgrade plan, secure funding for operation

OPERATION
frontier research results, services to scientific community, outreach, continuous upgrade of instrumentation and methods, plan and obtain political and financial support

TERMINATION
e.g. dissolution, dismantling of facilities and resurrection of site, reuse, merger of operations and organisation and (maior)
Why international research infrastructures?

✓ excellence
✓ support research exceeding the possibility of one country (complex, costly, often requiring integration of different equipment, services and data sources, extensive transnational collaboration)
✓ not a network
✓ participation = becoming part of a (legal) structure with its own rules
Why should I as a scientist care about that legal structure?

Because:
- Legal Structure = ERIC, IASBL, ......
- Host country (countries) + Member countries
  - Decision making body = Council; General Assembly; Board...
  - Operational= director with staff
  - Management bodies
  - Scientific bodies
  - Advisory bodies

- Member= Country
- Scientists from 1 country:
  - Participate as a consortium = Node, NFP
  - 1 Head of Node (coordinator) for Belgium
  - SLA= Service Level Agreement
Why should I as a scientist care about that legal structure?

Because:

- A legal structure has rules = less autonomy
- Open your infrastructures for international cooperation
- Open Science
- IPR rules
- Standardization
- Within the centre of scientific decision making in your science domain
- ..... 

Advantages > Disadvantages
ESFRI = ESFRI FORUM mandate

ESFRI was established in 2002 with a mandate from the EU Council (2001) to:

- support a coherent and strategy-led approach to policy-making on research infrastructures in Europe
- facilitate multilateral initiatives leading to the better use and development of research infrastructures
- establish a European Roadmap for research infrastructures (new and major upgrades, pan-European interest) for the coming 10-20 years, stimulate the implementation of these facilities, and update the Roadmap as the need arises (Council 2004 & 2007);
- ensure the follow-up of implementation of already on-going ESFRI projects after a comprehensive assessment, as well as the prioritisation of the infrastructure projects listed in the ESFRI Roadmap (Council 2012).
- Long term sustainability, monitoring, KPI’s (Council 2018)
The Context: What is ESFRI (Not)?

ESFRI – Forum is not a Funding Agency

ESFRI’s role is extensive: In Open Science, in EOSC, advisory role towards Commission/Horizon Europe.....
ESFRI-ROADMAP

- ESFRI prepares the ESFRI-Roadmap (launching call-evaluation procedure)

- ESFRI-Projects: proposals for the establishment of a new RI
  ESFRI-Landmarks: established RI with legal structure = ERIC

- From Project to Landmark = 10 years

- IRI = the Flemish introduction to the ESFRI-ROADMAP
European Commission

H2020 Workprogram 2018-2020: European Research Infrastructures

- Design studies $110 \text{ m€}$
- Preparatory Phase of new ESFRI Projects $20 \text{ m€}$
- Individual support to ESFRI and other worldclass RI $60 \text{ m€}$
- Integrating and opening RI $126 \text{ m€}$


NCP: Renee Overbeek FWO
Program Committee: Michele Oleo EWI
Flemish Policy: Who does What

Legal Framework = IRI Program: EWI + FWO

Calls for proposals, evaluation and funding : FWO

Interaction within Belgium : EWI + (FWO)

Interaction within Europe: EWI
- Within ESFRI-Forum/ERIC-committee    EWI
- Program Committee                    EWI
- NCP                                 FWO

Follow-up at governance level of individual RI: (EWI)

Scientific follow-up of individual RI: FWO
Flanders: IRI Program

- Alligned with European Context
- One single program
- Long Term engagement
- Enough Quality Control (4 years financing)
- Open calls (every 2 years)
- Anticipate ← React
The context: Belgian Policy

- Belgium is member of ESFRI-Forum
- Belgium is member of the Research Infrastructure
- Federal Minister or Secretary of State gives political support
- Federal Minister or Secretary of State Signs application
- Decision of Belgian participation within ESFRI/International infrastructure is a co-decision of all entities responsible within Belgium (no hierarchy between the levels) For Flanders= IRI Program
- Decision is taken within IMCWB proposed by CIS/CFS and CIS/INFRA
Who is who within Belgium

- **Belgium within ESFRI-Forum:**
  - Laurence Lenoir: Belspo; André Luxen: U.Liège; Michele Oleo: EWI (expert)

- **Eric Committee**
  - Laurence Lenoir, Michele Oleo

- **H2020 Infrastructure Program**
  - Laurent Ghys: Belspo; Michele Oleo: EWI; Didier Flagothier: DG06 (Supl)

- **CIS INFRA:**
  - Laurent Ghys: Belspo; Laurence Lenoir: Belspo; André Luxen : U.Liège; Michele Oleo: EWI; Didier Flagothier: DG06; Marc Vanholsbeeck: Com Française....

- **FWO:**
  - Caroline Volckaert, Tim Jaenen

- **EWI:**
  - Michele Oleo, Gert Verreet, Bart Dumolyn, Tom Vandenbogaerde

- **NCP:**
  - Renee Overbeek
Thank You

INFORMATION SESSION INTERNATIONAL RESEARCH INFRASTRUCTURES