Preparation of INFRA-DEV Horizon Proposal for ET

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WP Coordinators Meeting

19th November 2021

News and random notes

- **Two important sessions**
  - Nov 15th morning meeting with ESFRI officials on INFRA-DEV preparation **[link with slides in INDICO]**

  →Lots of information to be digested for the preparation
  - Nov 19th Meeting with ESFRI officials on ET ESFRI
  (just before this meeting)

  Two clear messages
  - Timeline of the project needs to be preserve
  - Critical to have financial organization

- Collecting information from WPs today

- Interaction across WPs to be addressed

- In the indico you also find the template for the tables (see later)

Reports from WPs

- **WP1 Coordination and Management**
- **WP2 Organization, Governance and Legal Aspects**
- **WP3 Financial Architecture**
- **WP4 Site Selection**
- **WP5 Project Office**
- **WP6 Technical Design**
- **WP7 Transfer of Technology**
- **WP8 Computing and Data Access**
- **WP9 Sustainable Development Strategy**
- **WP10 Education, Outreach and Citizen Engagement**

News on Coordinators

Work Package	Coordinators	Institutions/ Countries
WP7 Transfer of Technology	M. Morandin R. van der Meer	Italy Netherlands
WP8 Computing and Data Access	S. Girona A. Stahl	Spain Germany
WP9 Sustainable Development Strategy	**N. Arnaud** **S. Katsanevas** **[M. Marsella]**	France EGO
WP10 Education, Outreach and Citizen Engagement	D. Rosinska M. Hendry	Poland UK

WPs

- **WP1 Coordination and Management**
    1. Management
    2. Coordination
- **WP2 Organization, Governance and Legal Aspects**
    1. ET Internal Organization
    2. Legal Framework
    3. Enlargement of the ET Consortium
    4. Political convergence
    5. Connection to other observatories and communities
- **WP3 Financial Architecture**
    1. Cost evaluation
    2. Cost Sharing
    3. In-kind Contributions
    4. Industrial returns
    5. RI layout, Strategic issues and international networking

Any other change ?

WPs

- **WP4 Site Selection**
  1. **Site scientific evaluation**
  2. **Socio-economic impact**
  3. **Legal/Financial aspects of the RI implementation**
  4. **Mediation planning**
- **WP5 Project Office**
  1. **Technical Coordination of the Project**
  2. **Human resources qualification**
  3. **Strategic decisions making process**
  4. **Planning**
  5. **Preparation for Production**
  6. **Industrial Partnerships**
  7. **Risk Management**

  We will have a WP5-WP6 meeting next week

- **WP6 Technical Design**
  1. **Infrastructure Technical Design** →
  2. **Experiment Technical Design**
  3. **Scientific impact**
  4. **Open Data Access and Services**

  WP coordinators will explore the best way to single out the importance of the Engineering aspects of the RI

WPs

- **WP7 Transfer of Technology**
  1. **Promotion of Innovative technologies**
  2. **Liaison with industries**
  3. **Intellectual Property**
- **WP8 Computing and Data Access**
  1. **Computing model**
  2. **Computing Resources**
  3. **T0 Data Center**
  4. **Data Preservation**
- **WP9 Sustainable Development Strategy**
  1. **Low Carbon footprint**
  2. **Liaison with Climate Change and Geoscience**
  3. **Landscape and Environmental impact**
  4. **Transportation**
- **WP10 Education, Outreach and Citizen Engagement**
  1. **School Education Program**
  2. **Dissemination and communication**
  3. **Mentoring and Training**
  4. **Diversity and Inclusion**
  5. **Early Career Scientists**

WP9 talks to WP8 and WP6
(Do we need a meeting ?)

WP10.2 talks to WP1
(Do we need a meeting ?)

Your input needed

Input Text for INFRA-DEV application for ET

PART B

In order to prepare part B we need to collect input from each of the WPs.
There is a fundamental limitation of 30 pages for the whole part B document including tables.

For what concern tables, we need to make sure that first we have sensible objectives and deliverables for each WP and we need to contain the # of deliverables

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Consider font arial 11pt and the number of characters below includes spaces.
Every work package should provide the following texts.
Please refer to the example to learn about the content of each part.

1. **Excellence**
   1.1 *Objectives (600 c, 12 lines)*
   1.2 *Coordination and/or support measures and methodology (2000 c, 30 lines)*

2. **Impact**
   2.1 *Project's pathways towards impact (1300 c, 20 lines)*
   2.2 *Measures to maximise impact - Dissemination, exploitation and communication (1300 c, 20 lines)*

   2.3 *Summary [½ page taken care directly by WP1]*

For WP coordinators, kind reminder you need to deliver some input for part B

Table templates

TABLE ID	Description	WP responsible	Comment
3.1a	List of work packages	WP1	Summary of information in other tables
3.1b	**Work package description**	**Each of you**	
3.1c	**Deliverables**	**Each of you**	
3.1d	**Milestones**	**Each of you**	
3.1e	**Critical risks for implementation**	**Each of you**	**WP1 will put all in a single table**
3.1f	Summary of staff effort	WP1	Summary of information in other tables
3.1g	'Subcontracting costs' items	WP1	Needs your input
3.1h	'Purchase costs' items	WP1	Needs your input
3.1i	'Other costs categories'	WP1	Needs your input
3.1j	'In-kind contributions' provided by third parties	WP1	Needs your input

An link with templates for all the tables in INDICO now

On budget

- Message today is clear: it is not written you cannot go beyond 3M€ but needs to be extremely justified and budget is tight for all the RI on the call

- I will work with a 3M€ + Epsilon from EU
- **I need to get an idea of in-kind contributions from different countries in different WPs**
  - *Countries want to see the WP details first and the existing/required manpower force*

- **I need to collect information on synergies with other funding sources from EU**

→ **I aim to have a first (preliminary) allocation of budget soon**

Inputs

WP	Objectives (Table 3.1b)	Deliverables (Table 3.1c)	Milestones (Table 3.1d)	Risk (Table 3.1e)	Required person months	Existing person months	In-kind (k€)	total cost (k€)	Required (k€)
WP1									
WP2									
WP3									
WP4									
WP5									
WP6									
WP7									
WP8									
WP9									
WP10									

I hope today I will be able to put color to the first 2 columns in every WP…

I would like to get the non-financial aspects concluded

I would like to get your inputs on financial needs from INFRA-DEV

Very Preliminary Budget allocation

WP	position	duration
WP1	Project Management Administration/Secretariat Communication	36
WP2	Legal consulter	36 (1/3 FTE)
WP3	Financial Manager	36
WP4		TBD
WP5	Technical Coordinator Risk Manager Industrial Liaison	36
WP6	Integration Manager Civil Engineering Vacuum/Cryo Engineering	36
WP7		
WP8	IT coordinator	TBD
WP9	Consulter on Sustainability	36 (1/3 FTE)
WP10	Outreach officer	TBD

Let's discuss

Goals of the INFRA-DEV Initiative

In this respect, proposals should address all following aspects:

- the development of legal and financial frameworks/plans relating to the setting-up, construction and/or integration of national resources, operation and decommissioning of the research infrastructure as well as its Governance structure; the complementarities between national and EU instruments (such as the European Structural and Investment Funds or the European Investment Bank) and/or innovative financing solutions (e.g.: pre-commercial procurement; public-private partnerships);

- the preparation of legal and financial agreements, including site, governance, internal rules, financing of the new research infrastructures. These are deliverables that should be finalised before the end of the project (e.g.: through a Memorandum of Understanding; a 'signature-ready' document for the setting-up and the actual implementation of the research infrastructure);

- the establishment of plans for logistics and human resources management, in relation to the construction/integration and future operation, including RI service provision as well as for an efficient data curation and preservation and for the provision of access to data collected or produced by the future infrastructure, in line with the FAIR principles;

- the technical challenges concerning the joint development, transfer of knowledge and implementation of key RI technologies and the completion of the final technical design of the infrastructure;

- the development of plans for the provision of RI services to identified scientific user communities;

- the relevance of the RI for science and society, including its socio-economic impacts at local/ regional level and links with the smart specialisation strategies at regional level.

- Environmental (including climate-related) impacts as well as the optimisation of resource and energy use should be integrated in the Preparatory phase of new research infrastructures.

- Proposals should explain any synergies and complementarities with previous or current EU grants.