

ET

EINSTEIN
TELESCOPE



Preparation of INFRA-DEV Horizon Proposal for ET

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Joint WP coordinators/participants Meeting

29th November 2021

Plan for the Proposal

- We accumulated 1 week delay (52 days to go)
- All done by 11th January 2022 (10 days margin)
- Part A concluded by mid November
 - Information from Participants
 - Budget (v1.0) (to be declared final by end November)
- Part B
 - version 1.0 by end of November
 - Version 2.0 by mid December
 - Final version by 20th December

Status of the proposal

- **Part A**
 - **General text completed**
 - **List of institutions completed**
 - **Some information from institutions to be completed**
 - **Situation of Gender Equality Plan**
 - **List of participants by name to be completed**
 - **Requires input from all the WPs (done by WP10 already)**
 - **Budget to be finalized**
 - **Ethics & Security**
 - **Other Questions**

Section	Title	Action
1	General information	Show
2	Participants	Show
3	Budget	Show
4	Ethics and security	Show
5	Other questions	Show

Status of the Proposal

Part B (document 8/30 pages)

1. Excellence (8 pages)

2. Impact (9 pages)

- 2.1 Project's pathways towards impact (4 pages)
- 2.2 Measures to maximize impact - Dissemination, exploitation and communication (5 pages including 2.3)
- 2.3 Summary

3. Quality and efficiency of the implementation

- 3.1 Work plan and resources (10 pages including tables)
 - Should include also mention of existing EU resources and national resources.
- 3.2 Capacity of participants and consortium as a whole (3 pages) → Need your input at a given point here
- Tables → Need your input

Your input needed

Input Text for INFRA-DEV application for ET

[YOUR WP NUMBER HERE]

Please copy this template and work on it offline

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

*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 [$\frac{1}{2}$ page taken care directly by WP1]*

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

→ Some of the WPs provided in the form of slides . Please have a look at the input .

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 WP coordinators hands

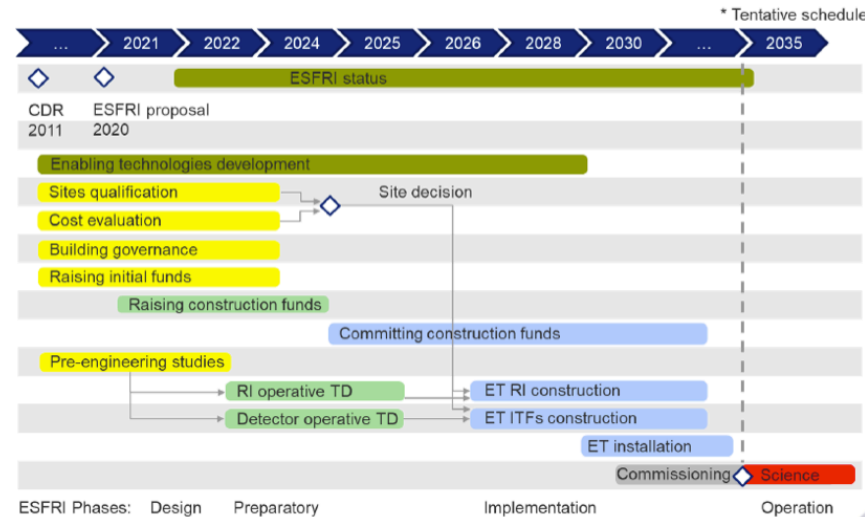
Inputs

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									> 50%
WP6									
WP7									
WP8									
WP9									
WP10									

Just to give you a visual overview on the progress

On budget

- ET Steering Committee argued yesterday for a 4 years duration
 - September 2022 – September 2026
 - Still aiming for a site selection in 2024/25
 - Prospects for budget clear now. 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 3M€ + Epsilon (10-20%) 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 → will take a bit more time*
 - I need to collect information on synergies with other funding sources from EU (if any)
- I still aim to have a first (preliminary) allocation of budget very soon



Very Preliminary Budget allocation

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

Need a realistic duration of each action to allocate the budget
Need to understand where those persons will be allocated

WP lead participants

WP	Lead participant	Existing person months	Required person months	Duration	In-kind (k€)	total cost (k€)	Required (k€)
WP1							
WP2							
WP3							
WP4							
WP5							
WP6							
WP7							
WP8							
WP9							
WP10							

At a given point in time we need to identify lead participants for each WP
→ Working with PD on it and will come at a given point later in the process

List of Participants

COUNTRY	INSTITUTION	MAIN CONTACT	CONTACT	Part A Information
AUSTRIA	U. LEOBEN	GALLER	REHATSCHEK	
BELGIUM	U. ANTWERPEN	VAN REMORTEL		
BELGIUM	U. LOUVAIN	BRUNO		
EGO	EGO	KATSANEVAS	SPAGNUOLO	
FRANCE	CNRS	VERDIER	MOSSARD	
GERMANY	DESY	STEGMANN	BERGHOEFER	
HUNGARY	WIGNER RCP	MATYAS	SZENDRAK	
ITALY	INFN	FERRONI	D'ORAZIO	
NETHERLANDS	NIKHEF	A. FREISE	VAN RIJN	
POLAND	U. WARSAW	ROSINSKA	BULIK	
SPAIN	IFAE	MARTINEZ	BALZA	
SWITZERLAND (associated partner)	U. GENEVA	MAGGIORE	FRAGKOS	
UK	UKRI	GEDDES	ROWAN	

We still maintain the 1 institution per country.. Need to figure out affiliated/third parties

WPs headers

- **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**

WPs

- **WP1 Coordination and Management**

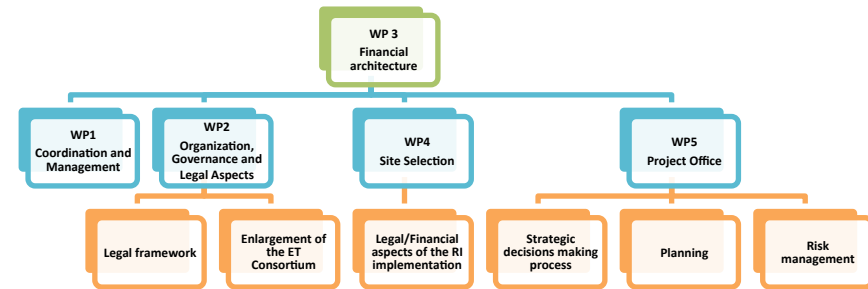
1. Management
2. Coordination

- **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 (to WP7)
5. RI layout, Strategic issues and international networking (to WP2)



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 Wednesday

- **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

WP9 talks to WP8 and WP6
(discussion being organized)
- **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

WP10.2 talks to WP1

Let's discuss

Coordinators

Work Package	Coordinators	Institutions/ Countries
WP1 Coordination and Management	M. Martinez M. Balza	Spain
WP2 Organization, Governance and Legal Aspects	F. Ferroni J. van den Brand	Italy Netherlands
WP3 Financial Architecture	A. Sequi T. Berghöfer	Italy Germany

Coordinators

Work Package	Coordinators	Institutions/ Countries
WP4 Site Selection	M. Carpinelli F. Linde	Italy Netherlands
WP5 Project Office	A. Freise R. Flaminio [R. Saban]	Netherlands France
WP6 Technical Design	M. Punturo H. Lueck [P. Chiggiato]	Italy Germany

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

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.