



Horizon Europe: Coordination
and Support Actions



ET-PP
1st review meeting
Overview of the
Coordinator

14/12/2023

Grant agreement: N° 101079696

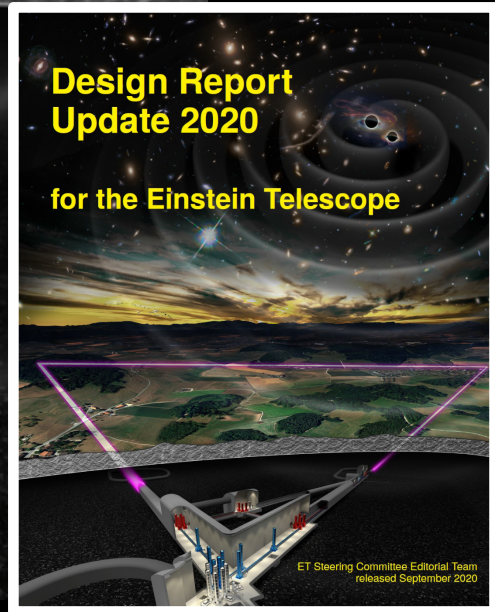
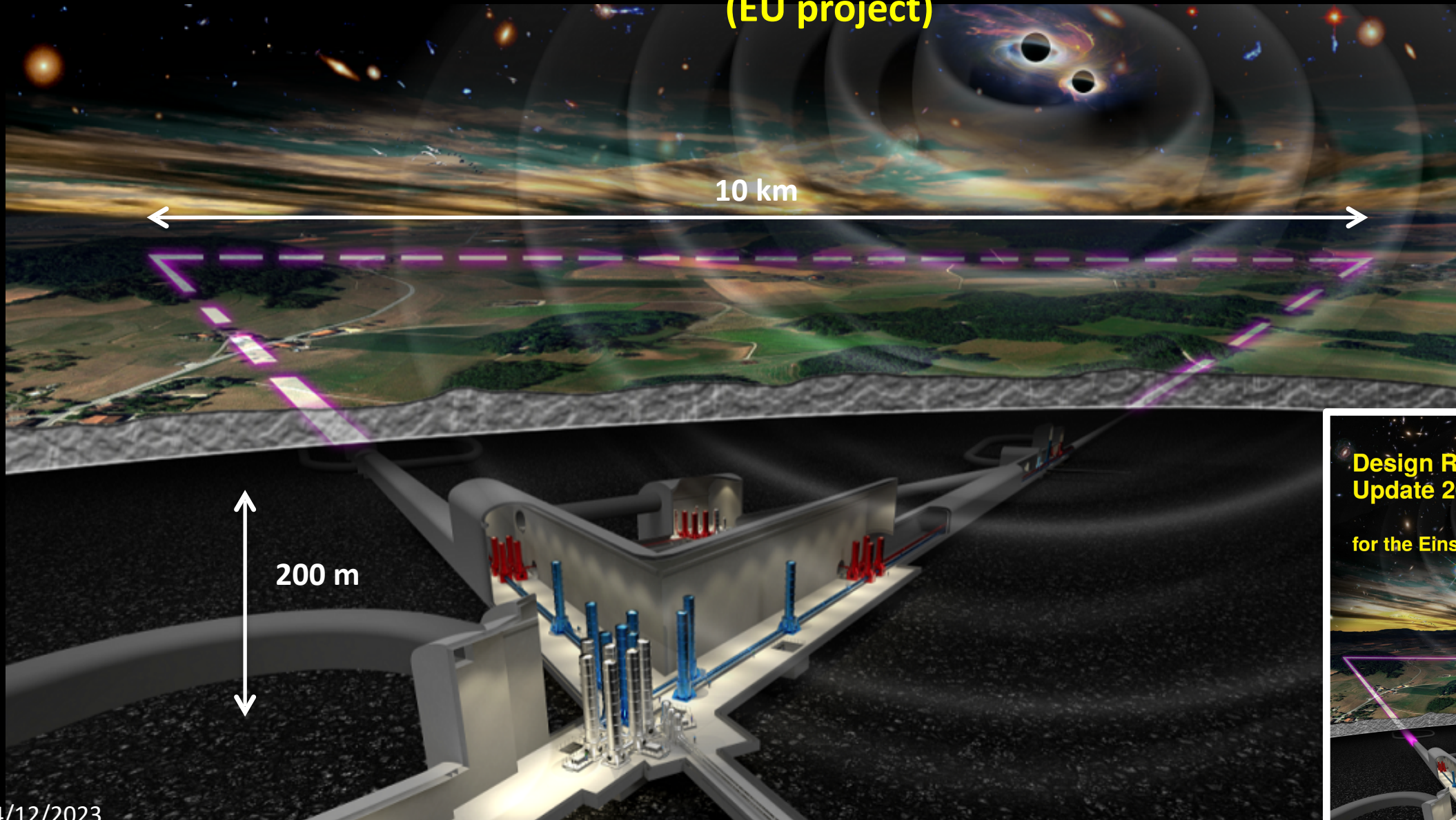
Outline

- Short introduction to ET experiment
- ET Organization
- ET-PP Consortium
- ET-PP Work packages
- ET-PP Coordination activities
- Y1 Deliverables and Milestones
- Notes on publications / information repositories
- Notes on resources
- Notes on 2024
- Final notes

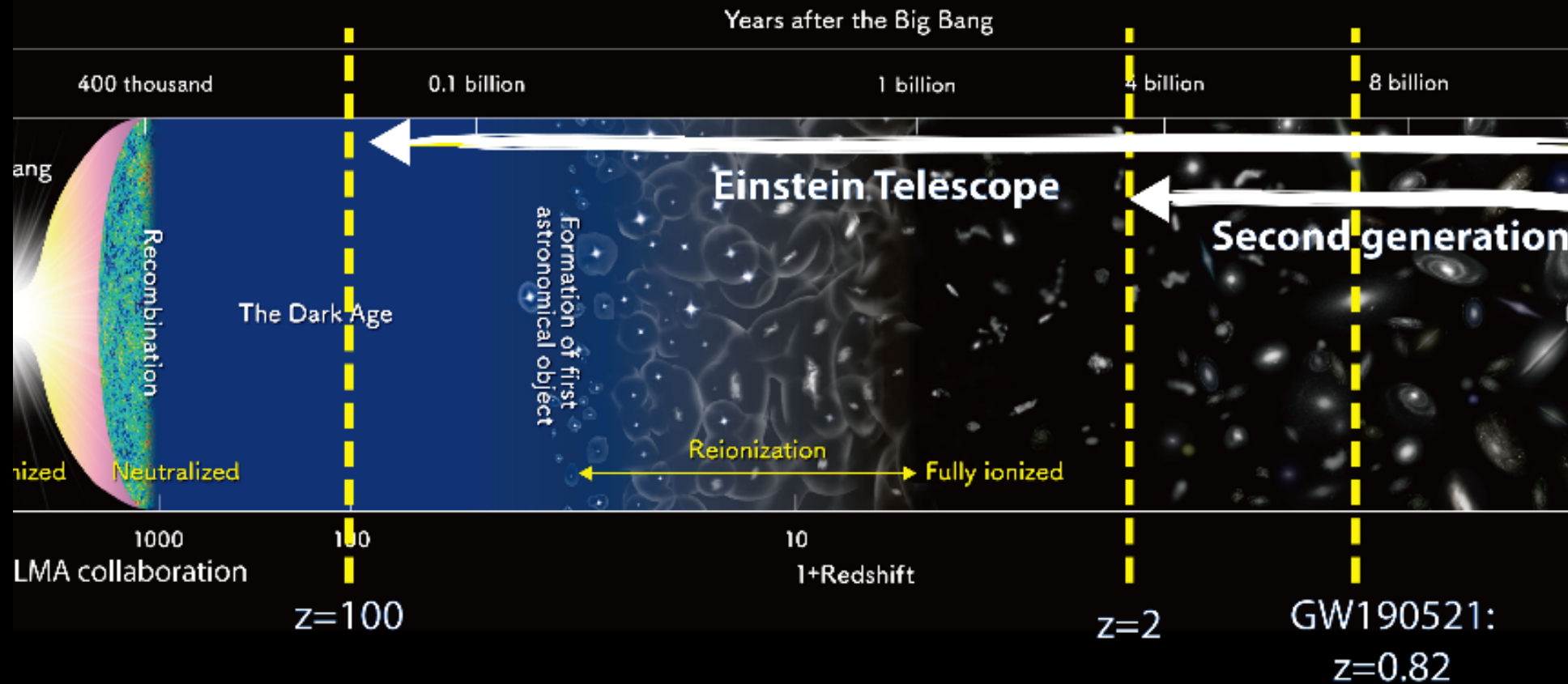


The Einstein Telescope

(EU project)



Detection horizon for black-hole binaries



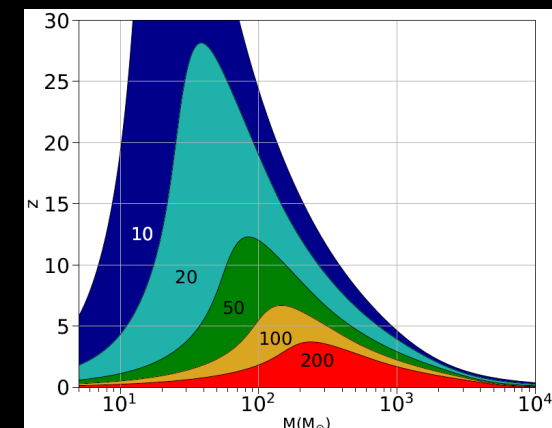
Huge rate of detections (about 1 per minute)

Extended redshift coverage up to the Dark Age

- Test for primordial BH origin
- Cosmology & Cosmography

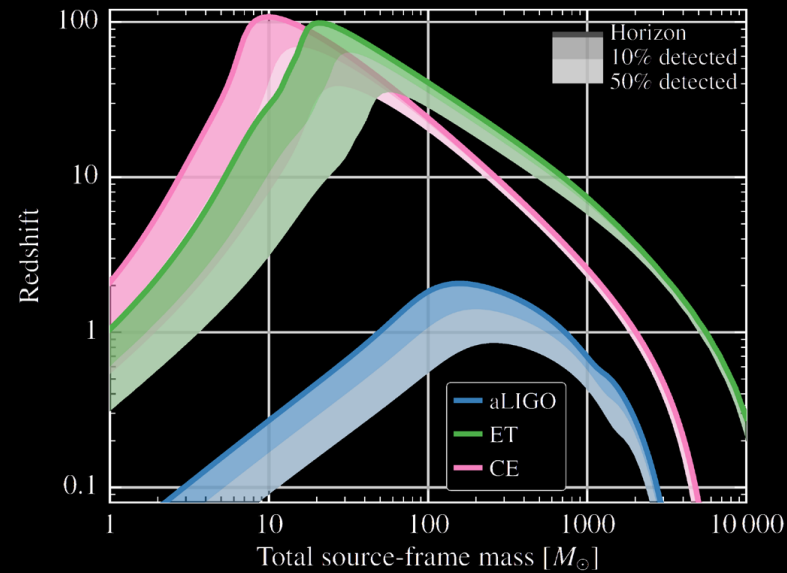
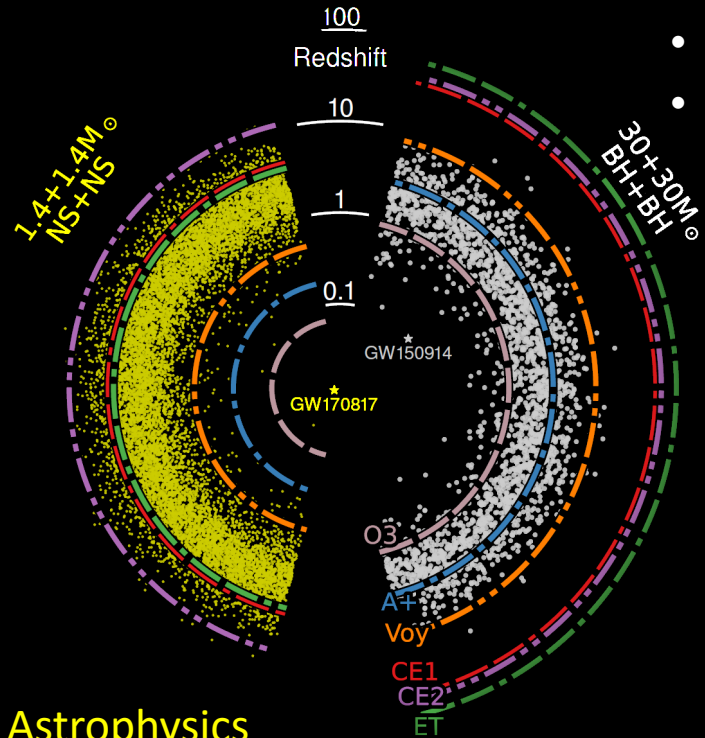
Many events with very large Signal-to-Noise ratios

- Precision tests of GR predictions and detailed BH studies



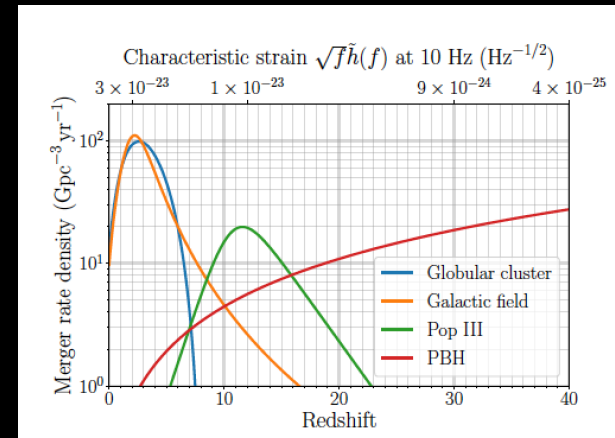
Listening the whole Universe

- 10^6 BH-BH / year up to $z \sim 20$ (230 Gpc) and $10^3 M_{\text{sol}}$
- 10^5 NS-NS / year up to $z \sim 2$
- $O(10^2 - 10^3)$ GW events with EM counterparts



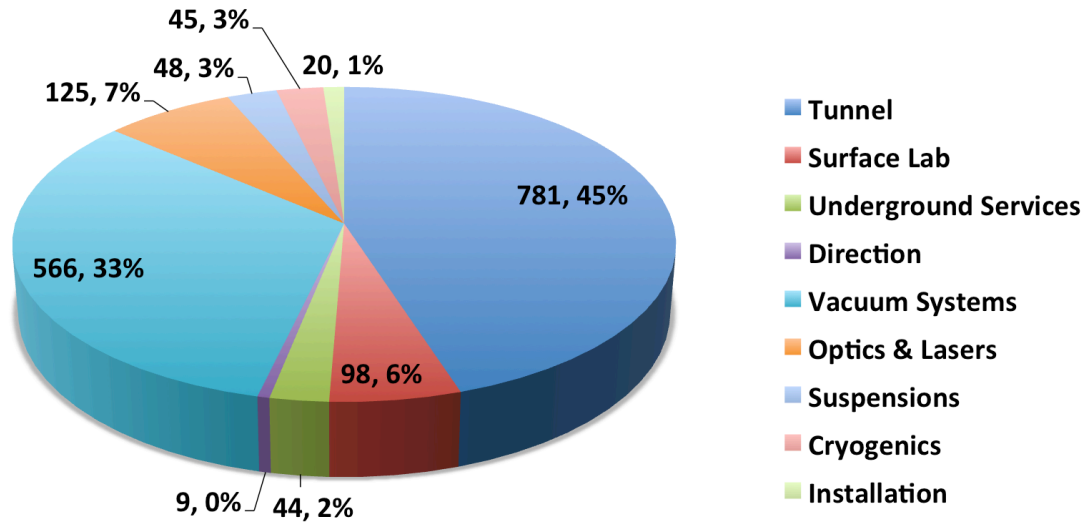
Astrophysics

- BH demography and evolution
- Primordials? Stellar?
- Are BHs part of the dark matter?
- Supernovae, Pulsars, Stochastic signals
- Properties of neutron stars
- Multi Messenger: Optical, Neutrinos, Gamma Rays



Estimated cost (ESFRI)

ET Estimated Costs (M€)



Preparatory phase (170M€)

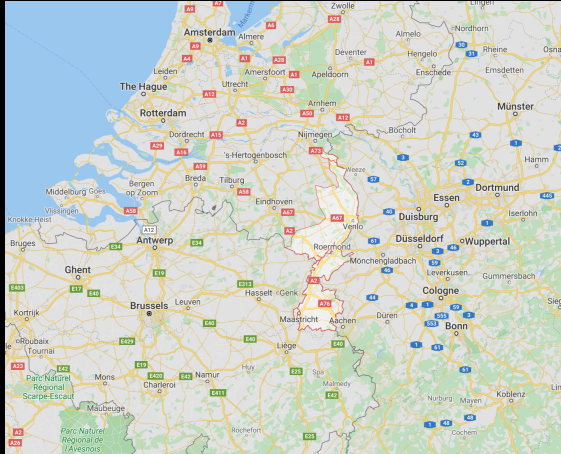
1. Site qualification (funded)
2. Site preparation (50 – 60 M€)
Covered by host country
3. R&D on technology (95 M€) (funded)

Construction : 1900 M€ (in 10 years)
M&O : 37M€ /year

Host country is expected to contribute with > 50% of the total cost

Locations

O(50 M€) investment



@ Limburg area (border NL-B-D)

→ Promoted by Nikhef

Intensive studies & large investments

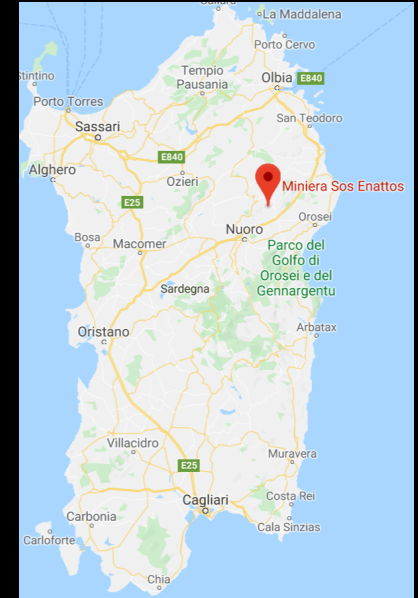
@ Limburg,

@ Sardinia

@ Saxony

For characterize seismic,
environmental noise, etc ...

O(50 M€) investment



@ Sardinia

→ Promoted by INFN



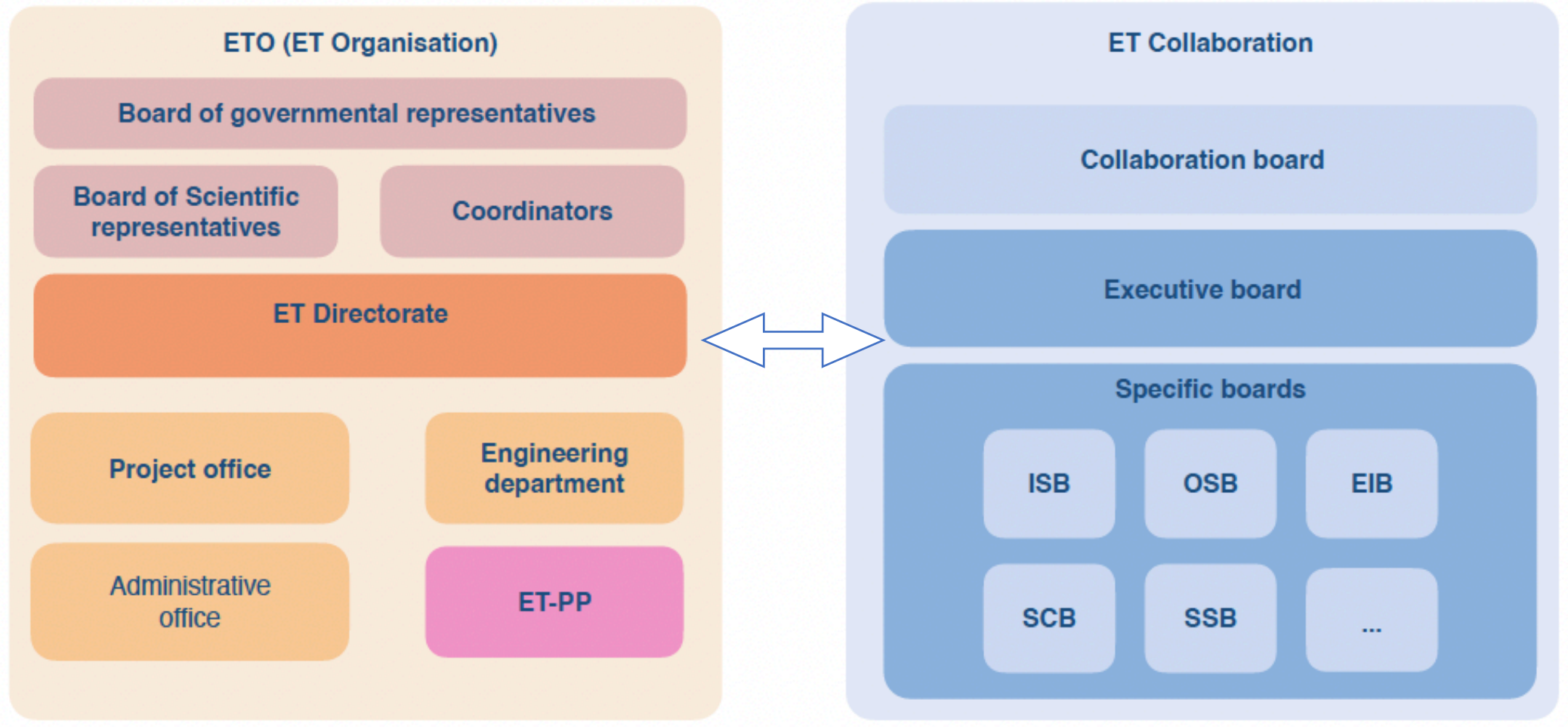
@ Germany is very present in ET

They foresee a large investment in the following years

→ Exploring Saxony area which might postulate itself as a third site possibility

→ Ongoing geological characterization of the site

ET experiment and ET Organization



ET-PP is naturally framed inside ETO chart

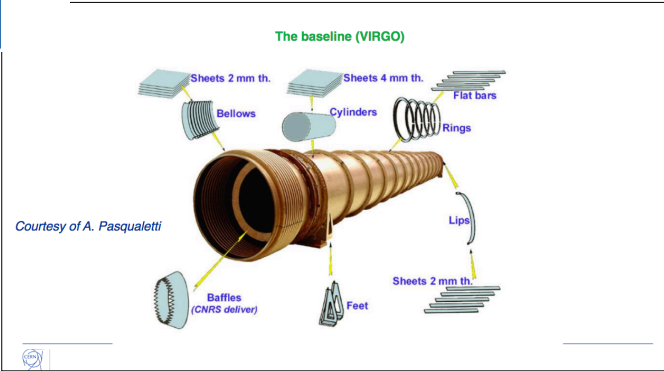
ET research infrastructure, services, and vacuum system under ETO supervision

ET Scientific Collaboration (linked to ET-PP via WP6) dedicated to experiment design & scientific exploitation



ET & vacuum pipe design

On-going effort led by CERN on the design of ET vacuum pipe (1/3 of the total ET cost)



MoU signed with CERN (INFN-NIKHEF-IFAE)

DocuSign Envelope ID: 8C191D8A-99E6-44E0-96B4-14C8A57AC9FA
KN5637/TE/Einstein Telescope Collaboration Agreement

Collaboration Agreement KN5637/TE/Einstein Telescope (Replacing KN4657/DG/Einstein Telescope)

Between

The European Organization for Nuclear Research ("CERN")

And

the Lead Institutes of the Einstein Telescope Collaboration:

The Italian National Institute for Nuclear Physics ("INFN")

And

The Dutch National Institute for Subatomic Physics ("Nikhef"),

And

The Institut de Física d'Altes Energies ("IFAE"),

(hereinafter "Party" and collectively "Parties")

Concerning

Collaboration on the design of future gravitational wave detection experiments

2023

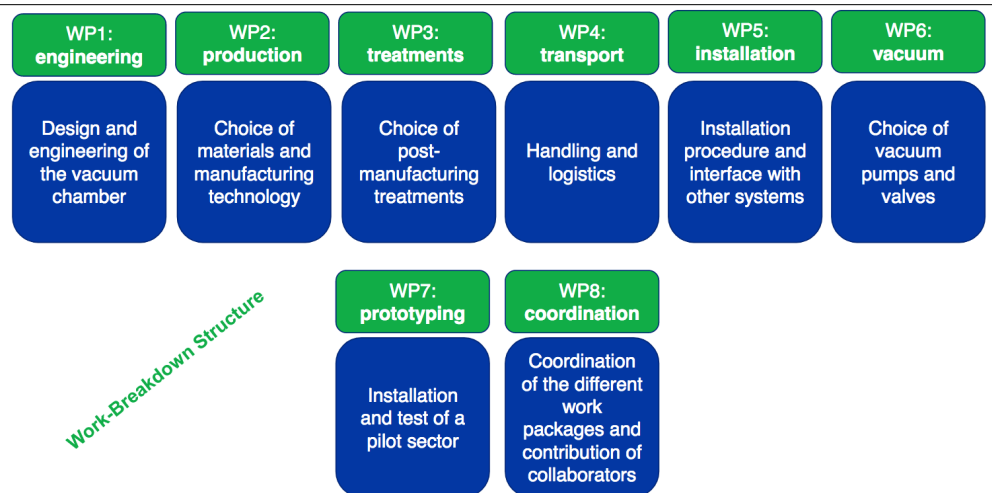
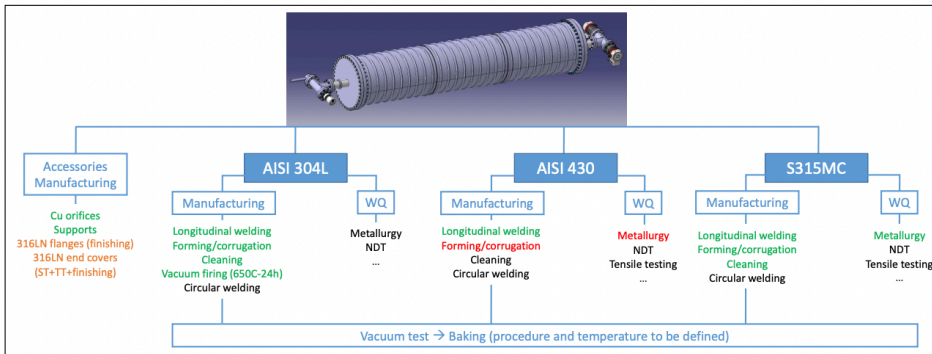
Page 1

- Physics requirements
- Vacuum / Cryo Technology
- Civil Infra-structure
- Cost Reduction/Optimization
- Prototyping

More details in WP6 report

Global planning

	First year				Second year				Third year			
	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4
Functional specifications												
Roles and agreement with Institutes												
Optimisation of baseline, including cost analysis												
Definition of alternative solutions												
Cost & performance of alternative solutions												
Optimisation of interfaces with services/infrastructures												
Decision about vacuum design for pilot sector at CERN.												
Prototyping of the selected solutions.												
Technical design report (ET vacuum system).												



14/12/2023

18/05/2022

Paolo Chiggiano | Nikhef-INFN-CERN kick-off meeting

20



18/05/2022

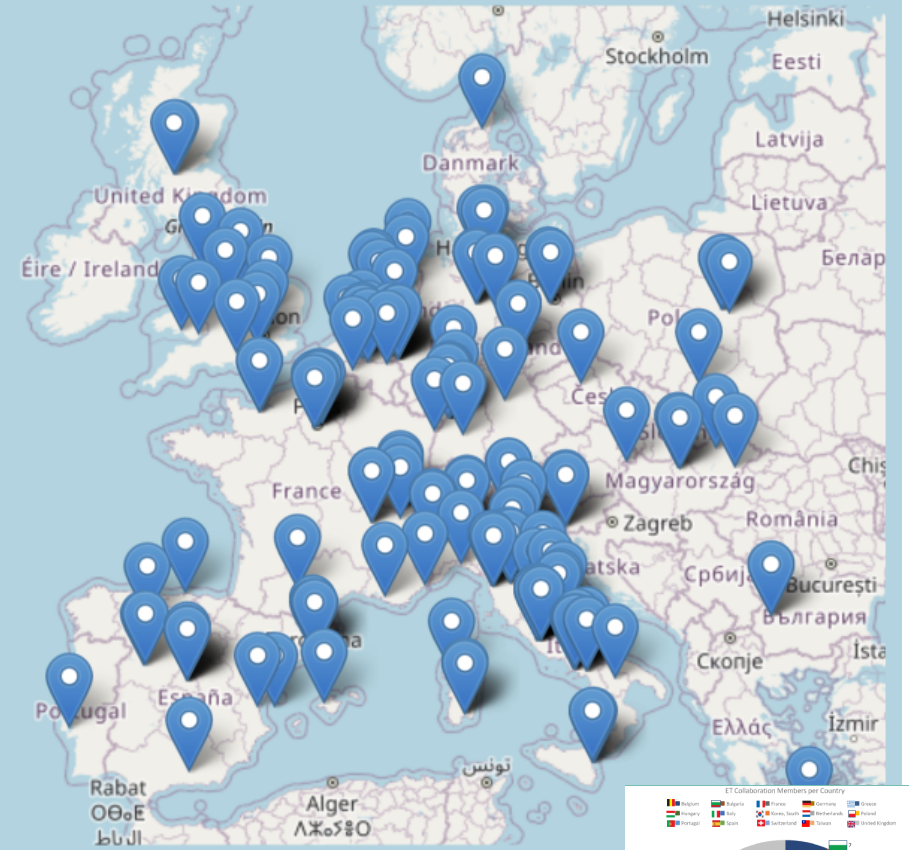
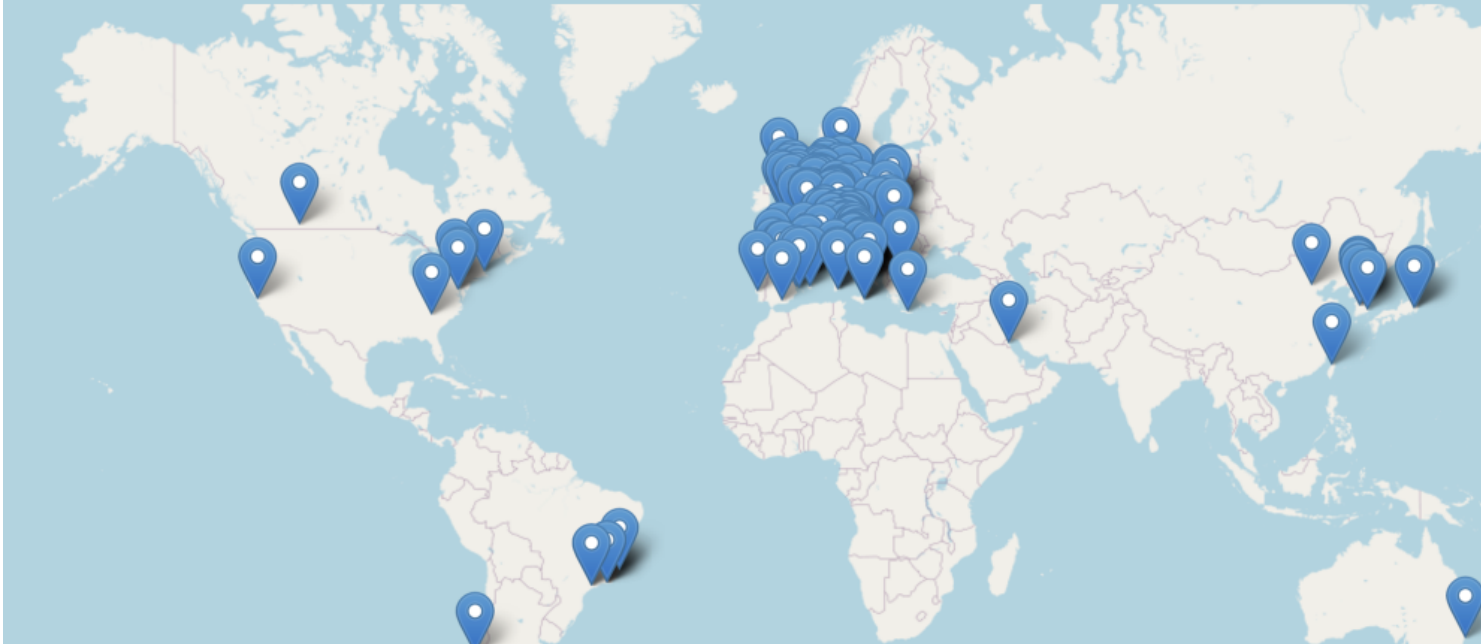
Paolo Chiggiano | Nikhef-INFN-CERN kick-off meeting

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The Einstein Telescope Collaboration

- 85 Research Units (+1 request pending)
- 1568 members (24/11/2023 15:29)
- Total: 226 Institutions
in 25 Countries

ET member database



A Large Collaboration
(comparable to a LHC experiment)
Requires a proper Governance /Financial Model

- Internal organisation in place
- Bylaws already in place

More details in WP6 report

14/12/2023



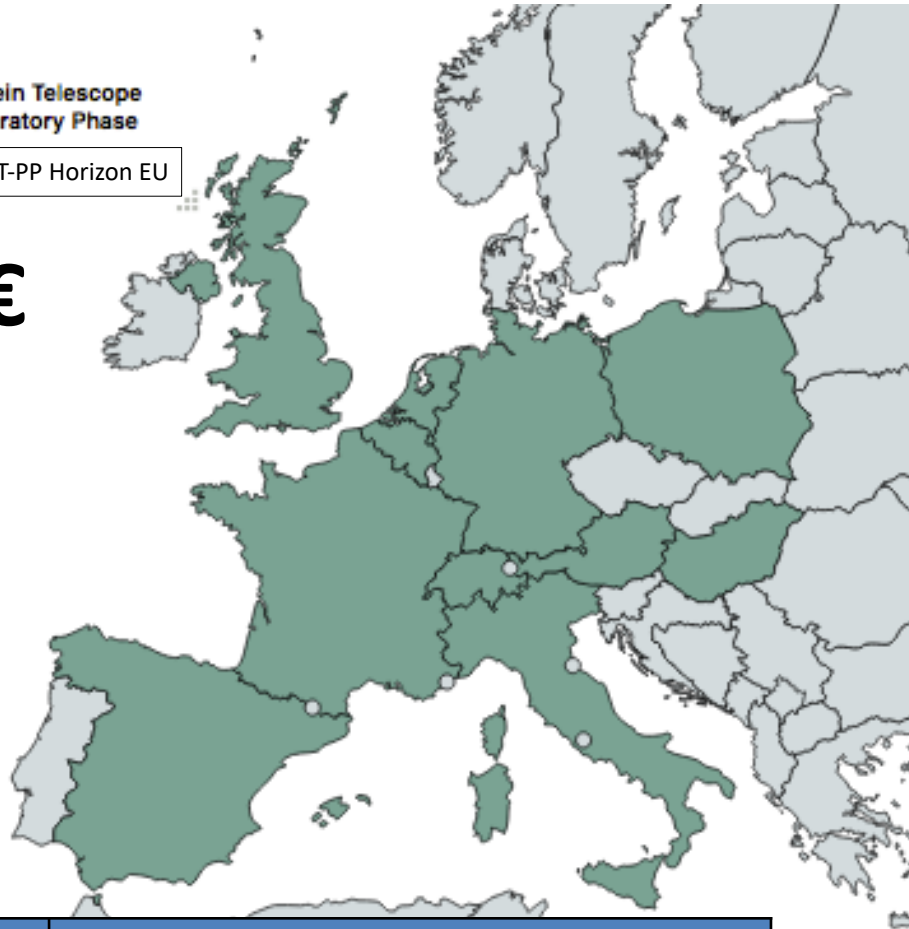
INFRA-DEV ET-PP (Preparatory Phase)

Einstein Telescope
Preparatory Phase

ET-PP Horizon EU

3.45M€

12M€
(total value)



COUNTRY	Third parties
GERMANY	RWTH (Aachen), AEI (MPI), LUH (Hannover)
THE NETHERLANDS	VU (AMSTERDAM), UM (MAASTRICHT)
SPAIN	ICCUB (Barcelona), UV (Valencia), UIB (Mallorca) CDTI (Madrid)
POLAND	NCBJ, CAMK, Cyfronet, IMPAN

European Commission | Funding | Single Electron

SEARCH FUNDING & TENDERS | HOW TO

Preparatory phase of new ES

TOPIC ID: HORIZON-INFRA-2021-DEV-

Grant

General information

Topic description

Destination

Conditions and documents

Partner search

Submission service

Topic related FAQ

Get support

Go back to search results

Programme
Horizon Europe Fra

Call
Developing and co
leadership (2021)

Type of action
HORIZON-CSA HO

Deadline model
single-stage

COUNTRY	Partners
AUSTRIA	U. LEOBEN
BELGIUM	U. ANTWERPEN
BELGIUM	U. LOUVAIN
EGO	EGO
FRANCE	CNRS
GERMANY	DESY
HUNGARY	WIGNER RCP
ITALY	INFN
THE NETHERLANDS	NIKHEF
POLAND	U. WARSAW
SPAIN	IFAE BSC-CNS (affiliated)
SWITZERLAND (associated partner)	U. GENEVA
UK (associated partner)	UKRI CARDIFF GLASGOW

We initiated a targeted process to collect additional third parties to strengthen particular needs with significant contributions
—> KU LEUVEN new third party since July 2023

—> We plan for a revisited Grant Agreement in 2024

INFRA-DEV ET-PP (Preparatory Phase)



3.45M€

12M€
(total value)

COUNTRY
GERMANY
THE NETHERLAND
SPAIN
POLAND

Goals for ET Preparatory Phase

- Governance
- Financial architecture/plan/framework
- ET legal entity
- Final ET design and cost evaluation
- Site or sites selection
- Construction funding
- User services
- Computing model
- Sustainability

NCBJ, CAMK, Cyfronet, IMPAN

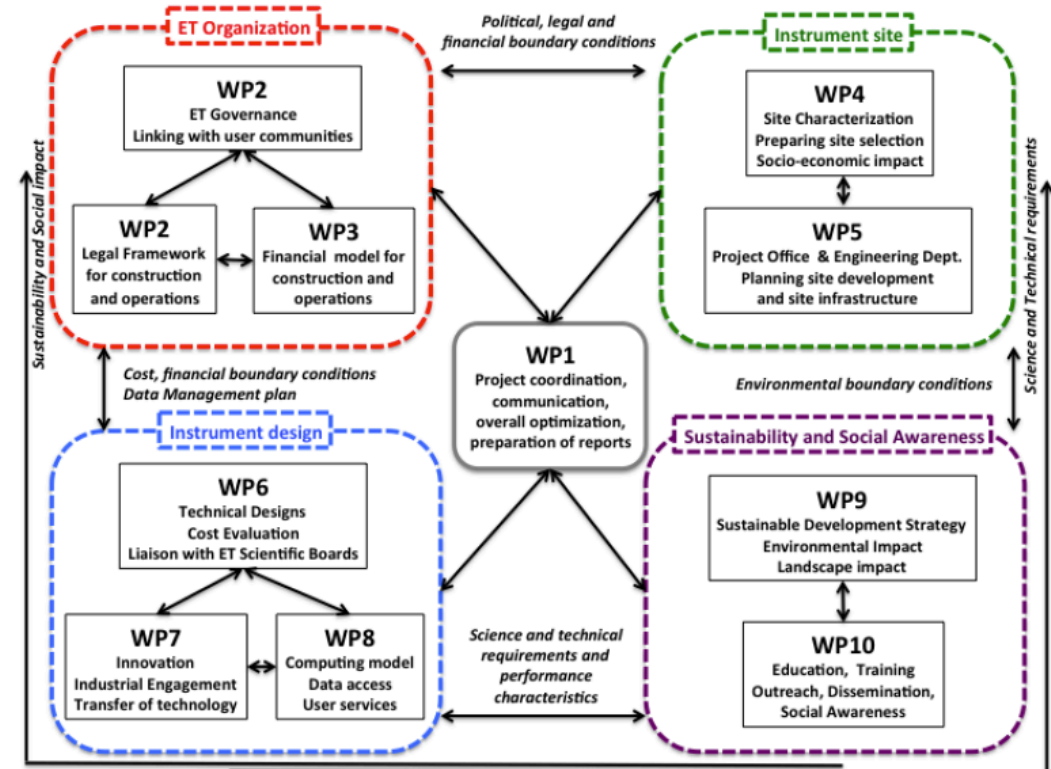
COUNTRY	Partners
	. LEOBEN
	. ANTWERPEN
	. LOUVAIN
	GO
	NRS
	ESY
	VIGNER RCP
	NFN
	IKHEF
	. WARSAW
	FAE
	SC-CNS (affiliated)
	. GENEVA
	KRI
	CARDIFF
	GLASGOW

onal third parties
ontributions

—> We plan for a revisited Grant Agreement in 2024

Work Packages (WPs)

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

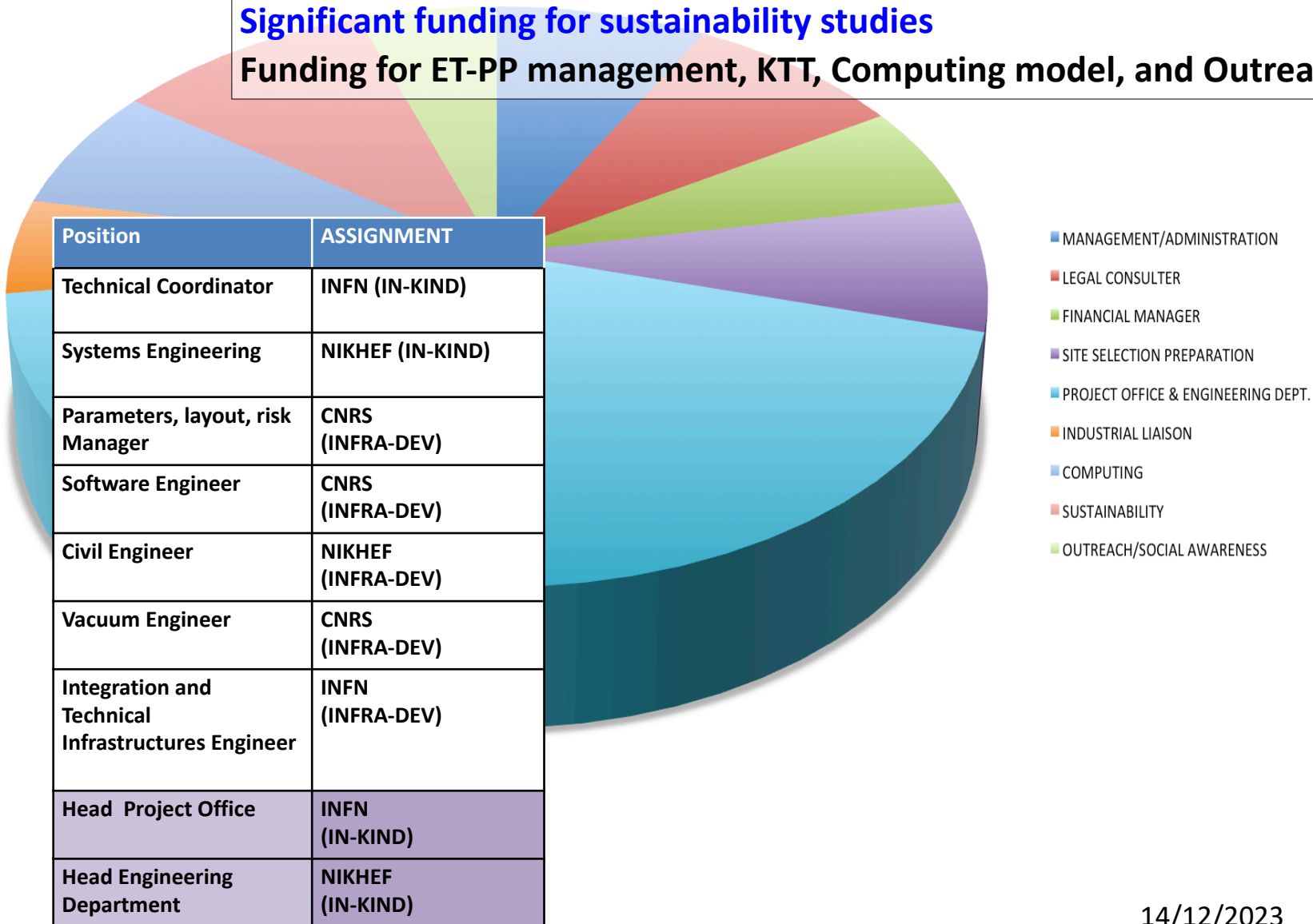


A large fraction devoted to the creating of the Project Office/ Engineering Department (44%)

Significant funding for expert consulting on legal and financial aspects, socio-economic impacts, and site selection related studies

Significant funding for sustainability studies

Funding for ET-PP management, KTT, Computing model, and Outreach/Communication



Budget allocation

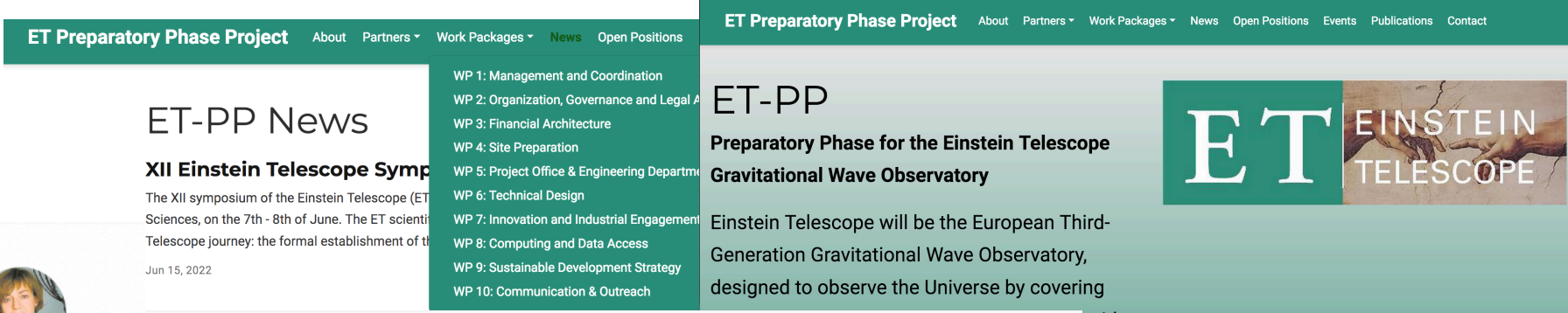
Project Office/Engineering Dept.

1. Technical Coordinator (in-kind)
2. System Engineering (in-kind)
3. Parameters, Layout, Risk Manager
4. Software Engineer
5. Civil Engineering
6. Vacuum Engineer
7. Integration and Technical Infrastructures Engineer

Design of the vacuum system by CERN (in-kind funding included for first year)

ET-PP web


























<https://etpp.iafe.es>



ET-PP
Preparatory Phase for the Einstein Telescope
Gravitational Wave Observatory

Einstein Telescope will be the European Third-Generation Gravitational Wave Observatory, designed to observe the Universe by covering

ET-PP Work Package Leaders

 Mario Martínez Institut de Física d'Altes Energies (IFAE)	 Fernando Ferroni Istituto Nazionale Di Fisica Nucleare (INFN)	 Justin O'Byrne United Kingdom Research And Innovation (UKRI)	 Miriam E.H. Roelofs Nikhef	 Dorota Rosinska Uniwersytet Warszawski (UW)
 Attilio Sequi Istituto Nazionale Di Fisica Nucleare (INFN)	 Domenico D'Urso University of Sassari & INFN Laboratori Nazionali del Sud	 Massimo Carpinelli European Gravitational Observatory (EGO)	 Wim Walk Nikhef	 Raffaele Flaminio Centre National de la Recherche Scientifique (CNRS)
 Roberto Saban Istituto Nazionale Di Fisica Nucleare (INFN)	 Andreas Freise Nikhef	 Harald Lück Deutsches Elektronen-Synchrotron (DESY)	 Paolo Chiggiato European Organization for Nuclear Research (CERN)	 Michele Punturo Istituto Nazionale Di Fisica Nucleare (INFN)
 Mauro Morandin Istituto Nazionale Di Fisica Nucleare (INFN)	 Rob van der Meer Nikhef	 Nadia Tonello Barcelona Supercomputing Center (BSC)	 Achim Stahl Deutsches Elektronen-Synchrotron (DESY)	 Thomas Berghoefer Deutsches Elektronen-Synchrotron (DESY)
 Chiara Arina Université Catholique De Louvain (UCL)	 Maria Antonietta Marsella Istituto Nazionale Di Fisica Nucleare (INFN)	 Nicolas Arnaud Centre National de la Recherche Scientifique (CNRS)	 Vincenzo Napolano European Gravitational Observatory (EGO)	 Robert Galler Montanuniversität Leoben

ET-PP News

XII Einstein Telescope Symposium

The XII symposium of the Einstein Telescope (ET) was held at the Institut de Física d'Altes Energies, on the 7th - 8th of June. The ET scientific community gathered to discuss the ET science program and the Telescope journey: the formal establishment of the ET project.

Jun 15, 2022

WP 5: Project Office and Engineering Department

Work package led by CNRS

Objectives

WP5 - Project Office and Engineering Department [led by CNRS] has the mission to establish the ET RI Project Office and the corresponding Engineering Department. The role of this WP is to set-up a project management environment for the ET construction project.

This environment will be supported by consultative and executive bodies equipped with means to monitor, control, coordinate and report on the technical design, the engineering and the construction activities. These activities are project-wide and multi-disciplinary.

led by **R. Flaminio (CNRS), A. Freise (NIKHEF)**

Deliverables

- D5.1 Structure and the mandate of the Engineering Department
- D5.2 Functionalities required from the Engineering Department

Advancing in the hiring processes within ET-PP

- WP5 - Project Office / Engineering Department [4]
- WP10 - Communication Officers [2]
- WP7 - KTT Officer
- WP8 - Computing Scientists [2]
- WP1 - Project Manager

ET-PP

Event: ET-PP INFRA-DEV Kick-off Meeting

The ET-PP INFRA-DEV Kick-off Meeting will be held from 19th to 20th July 2022 in Barcelona, hosted by the Institut de Física d'Altes Energies (IFAE). The venue is the Hotel Campus Barcelona, located on the UAB campus in Bellaterra, 25 km north of the Barcelona city centre.

Jun 12, 2023 - Jun 13, 2023 · UPF School of Management - Barcelona

[Indico](#)

2022

Jul 19, 2022 - Jul 20, 2022 · Campus UAB Barcelona

[Indico](#)

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ET-PP Open positions

Open Position: Science Communication Officer at IFAE

The Institut de Física d'Altes Energies (IFAE) is looking for a science communication officer. The main responsibilities of this person will be related to the management of the communication aspects of the European project Einstein Telescope Preparatory Phase. These activities will include: internal and external communications, outreach activities and STEM education programme.

Communications and

is recruiting a Communications and Outreach Officer (C/O) for a 36-month position (0.6 FTE) activities in the framework of the EU project Einstein Telescope. Applications or applications is 26th March 18:00.

Expert

for a 30 months temporary position.

21-Lyon

invitation to participate to the support of the Einstein Telescope (ET) "Preparatory Phase" (ET-PP).

Open Position: Senior IT/Computing Architect position at the Department of Astronomy and the Gravitational-Wave Science Center of the University of Geneva

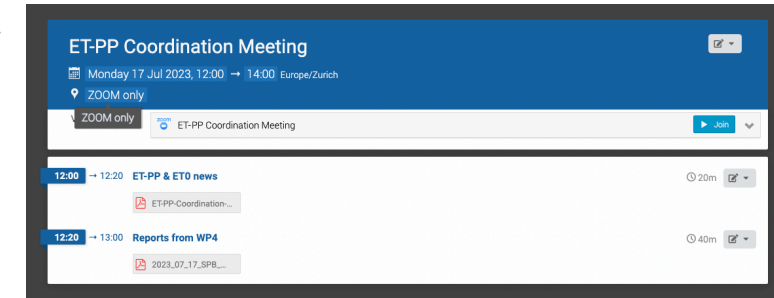
The Department of Astronomy and the Gravitational-Wave Science Center (GWSC) at the University of Geneva is looking for a Senior Information Technology (IT) / Computing Architect ("Adjoint(e) Scientifique (AS)") to support the activities of the Einstein Telescope (ET) project in the design of the computing model and infrastructure of the next-generation gravitational-wave observatory.

Oct 26, 2022

Open Position: System engineer for Project Support and Coordination at BSC

The Barcelona Supercomputing Center is offering a position for a system engineer who will become part of the Operations Department of the Center and participate in the activities of support and coordination

Actions of coordination & reports



- We are running biweekly coordinating meetings since 2022, where WPs report their progress (typically 2 WPs reporting in each meeting)

More details in WP1 report

- All the working groups run biweekly meetings for their own activities

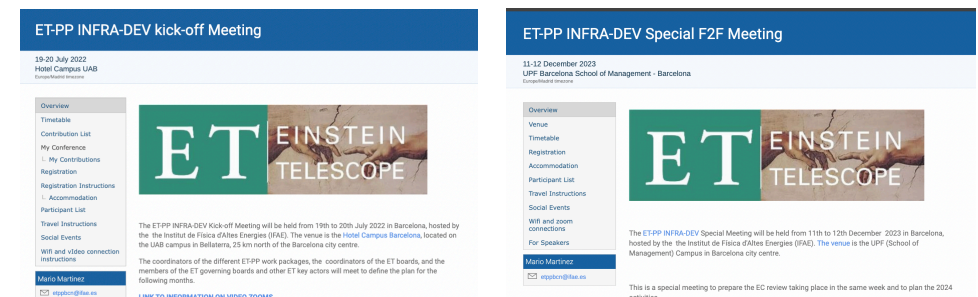
- In some cases ET-PP WPs are intimately connected to ET-Collaboration activities and boards (same chairs and coordinators)

- ET-PP progress is also reported in all the main ET Meetings (ET annual symposiums, etc..)

- We had already three two-days ET-PP all-hands meetings
 - July 2022 - before ET-PP execution started
 - June 2023 — two months before first year of execution ends
 - Dec 2023 — to prepare for the 2024 deliverables and milestones
- We plan to maintain two annual meetings in 2024 - 2026

<https://indico.ifae.es/event/1393/>

<https://indico.ifae.es/event/1824/>



2nd ET-PP annual Meeting in June 2023

ET-PP INFRA-DEV Annual Meeting

12 Jun 2023, 07:00 → 13 Jun 2023, 21:05 Europe/Madrid

UPF Barcelona School of Management - Barcelona

Mario Martinez (ICREA/IFAE)



Description



The **ET-PP INFRA-DEV** Annual Meeting will be held from 12th to 13th June 2023 in Barcelona, hosted by the Institut de Física d'Altes Energies (IFAE). The venue is the UPF (School of Management) Campus in Barcelona city centre.

The coordinators of the different ET-PP work packages, the coordinators of the ET boards, and the members of the ET governing boards and

<https://indico.ifae.es/event/1671/timetable/?view=standard>

08:30 → 09:20	Registration	
09:20 → 11:00	Welcome and Plenary Session Convener: Mario Martinez (ICREA/IFAE) zoom connections	Auditorium (UPF-Barcelona Sc...
09:20	Welcome & Introduction <ul style="list-style-type: none">Eugenio Coccia, IFAE Director.Laila Arnal, DGSCCT, Generalitat de Catalunya, Departament Recerca i Universitats.Ramon Bosch, Diputació de Barcelona.Gonzalo Arévalo Nieto, Director General de Planificación de la Investigación, Ministerio de Ciencia e Innovación. ET-PP-BCN-Welcom...	20m
09:40	Special Talk Speaker: Barry Barish (CALTECH) CESlidesForBarcelo...	35m
10:15	Report from ET Project Coordinators Speakers: Antonio Zoccoli (INFN), Stan Bentvelsen (NIKHEF) 003-1015ET-InfraDe...	15m
10:30	Report from ET Directorate Speakers: Andreas Freise (NIKHEF), Fernando Ferroni (INFN), Mario Martinez (IFAE) Freise_ETO_230612...	15m
10:45	Report from ET Collaboration Speakers: Harald Lueck (AEI), Michele Punturo (INFN) ET-PP-Collaboration... ET-PP-Collaboration...	15m
11:00 → 11:30	Coffee Break	30m Terrace (UPF - Barcelona Sch...

Enormous amount of information collected in the slides
This offers you a fair overview of the status of the project

Milestones in first-year report

Milestone number	Name	WP	Lead beneficiary	Means of verification	Original due date	Ready for EC review
2	Document detailing the site-specific characteristics that impact ET sensitivity and its duty cycle.	WP4	5-NIKHEF	Report	30/11/22	Yes
9	Analysis of promotion strategies accomplished	WP7	1-IFAE	Report.	30/4/23	Yes
20	Appointment of Communications and Outreach Coordinator	WP10	3-UW	Appointment contract	30/4/23	Yes
3	Common methodology to estimate impact of site characteristics on ET sensitivity and operation and, if required, a scheme to compensate it.	WP4	5-NIKHEF	Report	30/6/23	31/03/2024 (*)
10	Engagement plan produced	WP7	5-NIKHEF	Report.	30/6/23	Yes
8	ET Collaboration in place	WP6	2-INFN	ET Symposium	31/7/23	Yes
12	Workflows Requirements collection and constraints: computing and data	WP8	1-IFAE	Workshop (+D8.1)	31/7/23	Yes
17	Preliminary sustainability plan	WP9	8-EGO	Report.	31/7/23	Yes

We ended up accumulating some delays on the milestones and deliverables w.r.t the anticipated timeline

* This reflects the complexity in the work needed and the difficulty in coordinating site characterisation activities happening in two competing sites and mostly using local funding → More details on the WP4 report.

Deliverables going to first year report

N	N in WP	Name	LB	Type	Dissemination level	Due date (month)	Date	informed submission date	Ready for EC review
D1	D1.1	Dissemination and Exploitation (D&E) Plan	IFAE	R	PU	6	28/02/2023	31/03/2023	Yes
D2	D1.2	Data Management Plan (DMP)	IFAE	R	PU	6	28/02/2023	20/03/2023	Yes
D10	D4.1	Scan of legal procedures, permitting and land acquisitions	NIKHEF	R	PU	10	30/06/2023	31/10/2023	Yes
D3	D2.1	Report providing options for legal entity	NIKHEF	R	PU	11	31/07/2023	31/10/2023	Yes
D4	D2.2	Minutes of meetings with EC and involved ministries	NIKHEF	R	PU	11	31/07/2023	31/10/2023	Yes
D26	D7.1	Innovation plan	IFAE	R	PU	11	31/07/2023	31/10/2023	Yes
D36	D10.1	Initiate strategic media and communications plan	UW	R	PU	11	31/07/2023	15/09/2023	Yes

We ended up accumulating some delays on the milestones and deliverables w.r.t. the anticipated timeline

Detailed explanations in each of the WP reports

Information repositories

- ET-PP deliverables are documents that are made open access
 - ET TDS system at EGO
 - ET-PP web server at IFAE
- ET-PP GoogleDrive
- CERN EDMS under discussion
- INDICO servers at IFAE & CERN
- INDICO servers at beneficiaries
- Publications with direct ET-PP support will come in the future as the result of ET-PP — ET Collab. collaborative efforts (WP6, WP8..)

14/12/2023

The screenshot shows the ET TDS system interface. The browser address bar displays 'apps.et-gw.eu/tds/?content=3&r=18611'. The page header includes 'ET Docs 3.0' and a 'COPYRIGHT' notice. A navigation bar contains 'Code List', 'Add Code', 'View Series', 'Full Search', and 'Help'. The main content area is titled 'View Code details' and contains the following information:

Title	ET-PP 1st year Deliverables.																
Author(s)	M. Martinez																
Document type	Official document																
Code	ET-0472A-23																
Uploaded document(s)	ET-0472A-23.pdf (Uploaded 09:24, Tuesday, 12 December, 2023) (14.1MB)																
Date Code requested	10:34, Monday, 20 November, 2023																
Code creator	mmartinez																
Referral URI	https://apps.et-gw.eu/tds/ql/?c=16973																
Wait time	This Code has been frozen and can only be modified by creating a new Release.																
Access Privileges	<table border="0"><tr><td>VIEW</td><td><input checked="" type="checkbox"/></td><td>CREATE NEW RELEASE</td><td><input type="checkbox"/></td></tr><tr><td>ET</td><td><input checked="" type="checkbox"/></td><td></td><td><input type="checkbox"/></td></tr><tr><td>ET-INFRA-DEV</td><td><input checked="" type="checkbox"/></td><td></td><td><input type="checkbox"/></td></tr><tr><td>PUBLIC</td><td><input type="checkbox"/></td><td></td><td><input type="checkbox"/></td></tr></table>	VIEW	<input checked="" type="checkbox"/>	CREATE NEW RELEASE	<input type="checkbox"/>	ET	<input checked="" type="checkbox"/>		<input type="checkbox"/>	ET-INFRA-DEV	<input checked="" type="checkbox"/>		<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>		<input type="checkbox"/>
VIEW	<input checked="" type="checkbox"/>	CREATE NEW RELEASE	<input type="checkbox"/>														
ET	<input checked="" type="checkbox"/>		<input type="checkbox"/>														
ET-INFRA-DEV	<input checked="" type="checkbox"/>		<input type="checkbox"/>														
PUBLIC	<input type="checkbox"/>		<input type="checkbox"/>														
Series	=INFRA-DEV = WP01-Coordination																

Deliverables & Milestones

Deliverables

- D1.1 (D1), Dissemination and Exploitation (D&E) Plan
- D1.2 (D2), Data Management Plan (DMP)
- D4.1 (D10), Scan of legal procedures, permitting and land acquisitions
- D2.1 (D3), Report providing options for legal entity
- D2.2 (D4), Minutes of meetings with EC and involved ministries
- D7.1 (D26), Innovation plan
- D10.1 (D36), Initiate strategic media and communications plan

All the deliverables can be downloaded from the ET TDS

Milestones

- M2, Document detailing the site-specific characteristics that impact ET sensitivity and its duty cycle.
- M3, Common methodology to estimate impact of site characteristics on ET sensitivity and operation and, if required, a scheme to compensate it.
- M8, [ET Collaboration in place]
- M9, Analysis of promotion strategies accomplished
- M10, Engagement plan produced
- M12, [Workflows Requirements collection and constraints: computing and data]
- M17, Preliminary sustainability plan
- M20, Appointment of Communications and Outreach Coordinator



ET-PP is a project supported by the European Commission Framework Programme Horizon Europe Coordination and Support action under grant agreement 101079696.



Notes on declared resources

- Each WP will report in detail the current use of EC resources and the declared own in-kind person months by ET-PP beneficiaries.
- In some cases the in-kind numbers suffer from very restricted local criteria (INFN reports only INFN staff)
- Numbers will not reflect the realities of the large person power invested in given tasks via the ET Collaboration and/or third parties
- ET-PP budget is modest compared to the investment made in local teams within ETO and ET Collaboration

WP 2: Contributions by the partners

INSTITUTION		PM as per Annex I	PM in the period
UKRI	CONTRIBUTIVES	4,8	1,2
	REQUESTED EC	0	0
INFN	CONTRIBUTIVES	10	0
	REQUESTED EC	0	0
NIKHEF	CONTRIBUTIVES	10	
	REQUESTED EC	15	6,2
Total Person Months	CONTRIBUTIVES	24,8	1,2
Total Person Months	REQUESTED EC	15	6,2
		39,8	7,4

WP 8: Contribution from each partner



INSTITUTION		PM as per Annex I	PM in the period
BSC	CONTRIBUTIVES	9	2,55
	REQUESTED EC	36	13,11
CNRS	CONTRIBUTIVES	3	0,24
INFN	CONTRIBUTIVES	3	0
UniGe	CONTRIBUTIVES	48	5,4
Total Person Months	CONTRIBUTIVES	63	8,19
Total Person Months	REQUESTED EC	36	13,11
		99	21,30

% PMs used = 21,5

What is coming in next 12 months

(Deliverables before end 2024)

In blue: before end Feb 2024

WP	N in WP	Name	LB	Type	Dissemination level	Due date (month)	Date	Status
4	D4.2	Updated socio-economic impact studies	NIKHEF	R	PU	15	30/11/2023	
6	D6.1	Refined Science Case	INFN	R	PU	18	29/02/2024	
8	D8.1	Computing and Data Requirements	IFAE-BSC	R	PU	18	29/02/2024	
9	D9.1	ET Sustainable Development Implementation Strategy	EGO	R	PU	18	29/02/2024	
4	D6.2	Vacuum pipe Design	INFN	R	R	24	31/08/2024	
4	D6.3	Preliminary RI TDR	INFN	R	R	24	31/08/2024	
4	D6.4	Preliminary DET TDR	INFN	R	R	24	31/08/2024	
9	D9.2	ET Environmental impact assessment and mitigation strategy	EGO	R	R	24	31/08/2024	
10	D10.2	Launch consortium website and social media accounts	UW	R	R	24	31/08/2024	
10	D10.3	Formulate strategic media and communications plan	UW	R	R	24	31/08/2024	

We will monitor closely the evolution and readiness of all those documents in the next months

Looking into 2024 - PO/ED

WP	N in WP	Name	LB	Type	Dissemination level	Due date (month)	Date	Status
5	D5.1	Structure and mandate of the Project Office	CNRS	R	PU	25	30/09/2024	
5	D5.2	Functionalities required from the tools in support of the project management	CNRS	R	PU	25	30/09/2024	
5	D5.3	Structure and mandate of the Engineering Department	CNRS	R	PU	25	30/09/2024	
5	D5.4	Funcional Engineering Department	NIKHEF	R	PU	28	31/12/2024	
5	D5.5	Funcional Project Office	INFN	R	R	28	31/12/2024	

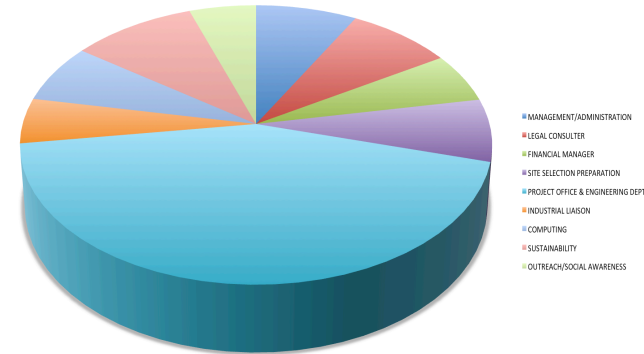
2024 will be a very intense year with increasing numbers of milestones (8) and deliverables (15)

All 5 deliverables from WP5 in Fall 2024

PO/ED Hiring process well advanced as part of the ETO structure

14/12/2023

Position	Institute	Status
System engineer	NIKHEF (in-kind)	Hired
Parameter, Layout & Risks	CNRS	Hired
Software engineer	CNRS	Hired
Vacuum engineer	CNRS	Hired
Civil engineer	NIKHEF	Hired
Technical infrastructure engineer	INFN	Selection in progress



Milestones until end 2024

In blue: before end Feb 2024

Milestone number	Name	WP	Lead beneficiary	Means of verification	Due date	Status
4	The recruitment of the Project Office team is completed.	WP5	CNRS	Report	30/11/2023	
5	All three documents (WP5-D5.1, D5.2 and D5.3) are published.	WP5	CNRS	Report.	30/9/2024	
6	The Engineering Department as a functional unit complete	WP5	NIKHEF	Report	30/11/2024	
7	The Project Office as a functional unit complete	WP4	INFN	Report	30/11/2024	
11	Analysis of balanced industrial return strategies accomplished	WP7	INFN	Report.	30/11/2023	
13	Computing Infrastructures availability for ET workflows, characteristics	WP8	IFAE-BSC	Workshop (+ D8.1)	31/08/2024	
18	ET Sustainability Workshop	WP9	EGO	Workshop + Report	02/09/2024	
21	ET Consortium website and social media launched	WP10	UW	Public Launch	31/08/2024	

A priori we do not foresee reasons to enter into new delays.

However we might take additional follow-up actions to correct possible deviations from the current plan.

Final notes

- We had an intense first year of the ET-PP project
 - Intense coordination activity including two general ET-PP meetings
 - With some slight delays we will meet the requirements for 2023
 - ET-PP is contributing to the birth of a functional ETO
- Comparing the discussions we had back in July 2022 kick-off ET-PP meeting and those on June 2023 ET-PP general meeting the progresses in all the WPs are notable.
- Next year 2024 will be intense in all fronts
 - 8 Milestones and 15 Deliverables to be met
 - Should be regarded as the year for ETO - Project Office/Eng. Dept. consolidation
 - Also the year for producing preliminary (intermediate) documents on designs for RI and ET-Detector
- We plan to intensify in 2024 the F2F meetings, WP-WP coordination actions, and the follow-ups to meet all those milestones and deliverables without major delays.



Horizon Europe: Coordination
and Support Actions



ET-PP 1st review meeting

14/12/2023

Grant agreement: N° 101079696