



**Horizon Europe: Coordination
and Support Actions**

**ET-PP
kick-off meeting:
administrative
details**

20/07/2022

Grant agreement: N° 101079696

Introduction

- Starting date: 01/09/2022
- Ending date: 31/08/2026
- Project duration: 48 months
- Grant Agreement (GA) signed soon
- Consortium Agreement (CA) in preparation

LIST OF PARTICIPANTS

N	Short Name	Legal name	Role	Country
1	IFAE	INSTITUTO DE FISICA DE ALTAS ENERGIAS	COO	ES
1.1	BSC CNS	BARCELONA SUPERCOMPUTING CENTER-CENTRO NACIONAL DE SUPERCOMPUTACION	AE	ES
2	INFN	ISTITUTO NAZIONALE DI FISICA NUCLEARE	BEN	IT
3	UW	UNIwersytet warszawski	BEN	PL
4	CNRS	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	BEN	FR
5	NIKHEF	STICHTING NEDERLANDSE WETENSCHAPPELIJK ONDERZOEK INSTITUTEN	BEN	NL
6	UCL	UNIVERSITE CATHOLIQUE DE LOUVAIN	BEN	BE
7	UAntwerpen	UNIVERSITEIT ANTWERPEN	BEN	BE
8	EGO	EUROPEAN GRAVITATIONAL OBSERVATORY(EGO) (OSSERVATORIO GRAVITAZIO NALEEUROPEO)	BEN	IT
9	DESY	DEUTSCHES ELEKTRONEN-SYNCHROTRON DESY	BEN	DE
10	Wigner RCP	WIGNER FIZIKAI KUTATOKOZPONT	BEN	HU
11	MUL	MONTANUNIVERSITAET LEOBEN	BEN	AT
12	UNIGE	UNIVERSITE DE GENEVE	AP	CH
13	UKRI	UNITED KINGDOM RESEARCH AND INNOVATION	AP	UK
14	UCAR	CARDIFF UNIVERSITY	AP	UK
15	UGLA	UNIVERSITY OF GLASGOW	AP	UK

LIST OF THIRD PARTIES

N	Short Name	Legal name	Role	Country
1	RWTH	AACHEN UNIVERSITY	TP	GE
2	CDTI	CENTRO PARA EL DESARROLLO TECNOLOGICO INDUSTRIAL	TP	ES
3	AEI	MAX PLANCK INSTITUTE FOR GRAVITATIONAL PHYSICS (ALBERT EINSTEIN INSTITUTE)	TP	GE
4	LUH	LEIBNIZ UNIVERSITÄT HANNOVER	TP	GE
5	UV	UNIVERSITAT DE VALÈNCIA	TP	ES
6	UIB	UNIVERSITAT DE LES ILLES BALEARES	TP	ES
7	ICCUB	INSTITUTE OF COSMOS SCIENCES	TP	ES
8	VU	VRIJE UNIVERSITEIT AMSTERDAM	TP	NL
9	MU	MAASTRICHT UNIVERSITY	TP	NL
10	CYFRONET	AKADEMICKIE CENTRUM KOMPUTEROWE CYFRONET AGH	TP	PL
11	CAMK	NICOLAUS COPERNICUS ASTRONOMICAL CENTER	TP	PL
12	IMPAN	MATHEMATICAL INSTITUTE OF THE POLISH ACADEMY OF SCIENCES	TP	PL
13	NCBJ	NATIONAL CENTRE FOR NUCLEAR RESEARCH	TP	PL

In-kind contributions in terms of personnel in different tasks/WPs

Reporting periods:

Reporting periods	Type	Month from	Month to	Deadline	Project reviews (timing month)
1	Periodic report	1	12	31/10/2023	14
2	Periodic report	13	30	30/04/2025	32
3	Final report	31	48	31/10/2026	49

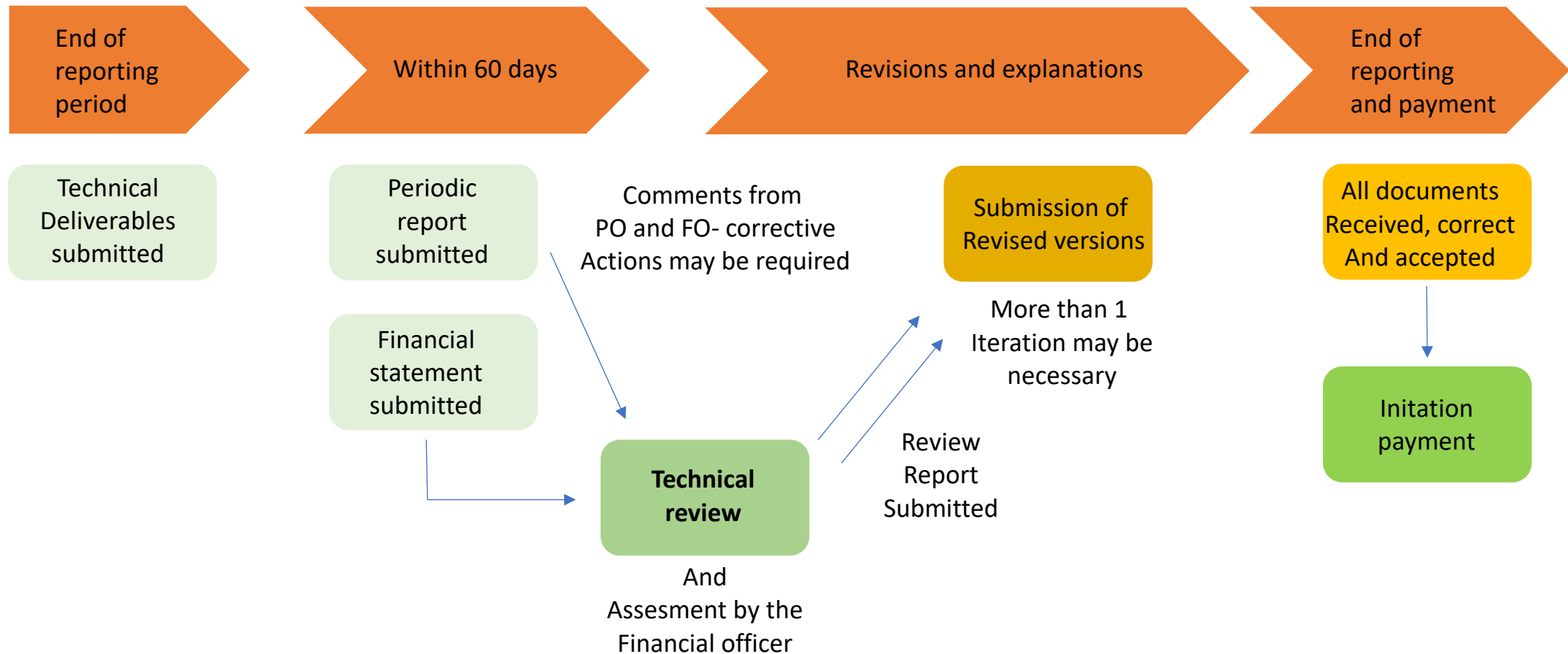
-Technical report (template provided by the EC):

- an explanation of the work carried out by the beneficiaries,
- an overview of the progress towards the objectives of the action, including milestones and deliverables,
- an executive summary for publication by the Commission,
- answers to questionnaire on issues related to economic and societal impact.

-Financial report (done in the Funding and Tenders Portal):

- individual financial statement from each **beneficiary** for the RP concerned
- explanation of use of resources,
- in the final report, if the total costs are higher than **430.000,00 €**, include certificate of financial statements (CFS).

ROADMAP



WP organization

WP	Name	Lead Beneficiary	Partners involved	Total PM	SM	EM	Deliverables
1	Management & Coordination	IFAE	-	88.8	1	48	1-2
2	Organization, Governance and Legal Aspects	NIKHEF	INFN, UKRI	39.8	1	48	3-6
3	Financial Architecture	UCL	INFN, DESY	74	1	48	7-9
4	Site Preparation	NIKHEF	INFN, UW, Wigner RCP	45.2	1	48	10-14
5	Project Office & Engineering Department	CNRS	IFAE, INFN, NIKHEF, ANTW	595	1	48	15-16
6	Technical Design	INFN	IFAE, UW, CNRS, NIKHEF, ANTW, UNIGE	111.5	1	48	20-25
7	Innovation and Industrial Engagement	INFN	IFAE, UW, NIKHEF, ANTW	88	1	48	26-29
8	Computing and Data Access	IFAE	BSC, INFN, CNRS, UNIGE	99	1	48	30-32
9	Sustainable Development Strategy	EGO	INFN, CNRS, MUL	116.8	1	48	33-35
10	Education, Outreach and Citizen Engagement	UW	IFAE, NIKHEF, EGO, Wigner RCP, UCAR, UGLA	106	1	48	36-40

Summary of WP efforts

INSTITUTION	PMs	WP1	WP2	WP3	WP4	WP5	WP6	WP7	WP8*	WP9	WP10	Total Person-
1 IFAE	CONTRIBUTIVES	52,8	0	0	0	24	10	12	0	0	3	101,8
	REQUESTED EC	36	0	0	0	0	0	14	0	0	0	50
1.1 BSC	CONTRIBUTIVES	0	0	0	0	0	0	0	9	0	0	9
	REQUESTED EC	0	0	0	0	0	0	0	36	0	0	36
2 INFN	CONTRIBUTIVES	0	10	10	10	141	20	12	3	39,2	5	250,2
	REQUESTED EC	0	0	14	0	36	0	12	0	18	0	80
3 UW	CONTRIBUTIVES	0	0	0	12	0	1	19	0	0	20	52
	REQUESTED EC	0	0	0	0	0	0	0	0	0	24	24
4 CNRS	CONTRIBUTIVES	0	0	0	0	121	28	0	3	13	0	165
	REQUESTED EC	0	0	0	0	108	0	0	0	0	0	108
5 NIKHEF	CONTRIBUTIVES	0	10	0	10	124	2,5	12	0	0	10	168,5
	REQUESTED EC	0	15	0	0	36	0	2	0	0	0	53
6 UCL	CONTRIBUTIVES	0	0	11	0	0	0	0	0	0	0	11
	REQUESTED EC	0	0	6	0	0	0	0	0	0	0	6
7 UAntwerpen	CONTRIBUTIVES	0	0	0	0	5	48	5	0	0	0	58
	REQUESTED EC	0	0	0	0	0	0	0	0	0	0	0
8 EGO	CONTRIBUTIVES	0	0	0	0	0	0	0	0	12,6	28,4	41
	REQUESTED EC	0	0	0	0	0	0	0	0	18	0	18
9 DESY	CONTRIBUTIVES	0	0	24	0	0	0	0	0	0	0	24
	REQUESTED EC	0	0	9	0	0	0	0	0	0	0	9
10 Wigner RCP	CONTRIBUTIVES	0	0	0	13,2	0	0	0	0	0	6	19,2
	REQUESTED EC	0	0	0	0	0	0	0	0	0	0	0
11 MUL	CONTRIBUTIVES	0	0	0	0	0	0	0	0	4	0	4
	REQUESTED EC	0	0	0	0	0	0	0	0	12	0	12
12 UNIGE	CONTRIBUTIVES	0	0	0	0	0	2	0	48	0	0	50
13 UKRI	CONTRIBUTIVES	0	4,8	0	0	0	0	0	0	0	0	4,8
14 UCAR	CONTRIBUTIVES	0	0	0	0	0	0	0	0	0	4,8	4,8
15 UGLA	CONTRIBUTIVES	0	0	0	0	0	0	0	0	0	4,8	4,8
Total Person Months	CONTRIBUTIVES	52,8	24,8	45	45,2	415	111,5	60	63	68,8	82	968,1
Total Person Months	REQUESTED EC	36	15	29	0	180	0	28	36	48	24	396
		88,8	39,8	74	45,2	595	111,5	88	99	116,8	106	1364,1

Annex II: budget

No.	Name of beneficiary	Country	Role	Personnel costs/€	Subcontracting costs /€	Purchase costs - Travel and subsistence/€	Purchase costs - Other goods, works and services/€	Indirect costs/€	Total eligible costs	Funding rate	Maximum EU contribution to eligible costs	Requested EU contribution to eligible costs/€	Max grant amount
1	IFAE	ES	COORD	849.100 €	2.500 €	120.000 €	26.000 €	248.775,00 €	1.246.375,00 €	100%	1.246.375 €	328.750 €	328.750 €
1.1	BSC	ES	AFFILIATED	286.800 €	- €	11.000 €	- €	74.450,00 €	372.250,00 €	100%	372.250 €	231.250 €	231.250 €
2	IFNF	IT	PARTNER	1.761.040 €	100.000 €	244.500 €	162.000 €	541.885,00 €	2.809.425,00 €	100%	2.809.425 €	735.000 €	735.000 €
3	UW	PO	PARTNER	307.907 €	20.000 €	42.000 €	20.000 €	92.476,75 €	482.383,75 €	100%	482.384 €	167.500 €	167.500 €
4	CNRS	FR	PARTNER	1.900.651 €	- €	106.000 €	- €	501.662,75 €	2.508.313,75 €	100%	2.508.314 €	907.500 €	907.500 €
5	NIKHEF	HOL	PARTNER	2.049.958 €	100.000 €	40.000 €	223.000 €	578.239,50 €	2.991.197,50 €	100%	2.991.198 €	728.750 €	728.750 €
6	UCL	BL	PARTNER	195.000 €	- €	- €	- €	48.750,00 €	243.750,00 €	100%	243.750 €	56.250 €	56.250 €
7	ANTW	BL	PARTNER	483.200 €	- €	12.000 €	- €	123.800,00 €	619.000,00 €	100%	619.000 €	15.000 €	15.000 €
8	EGO	IT	PARTNER	250.000 €	- €	23.000 €	- €	68.250,00 €	341.250,00 €	100%	341.250 €	120.000 €	120.000 €
9	DESY	GER	PARTNER	45.000 €	- €	5.000 €	- €	12.500,00 €	62.500,00 €	100%	62.500 €	62.500 €	62.500 €
10	WIGNER	HU	PARTNER	68.500 €	- €	12.000 €	- €	20.125,00 €	100.625,00 €	100%	100.625 €	15.000 €	15.000 €
11	MUL	AUS	PARTNER	105.000 €	- €	6.000 €	- €	27.750,00 €	138.750,00 €	100%	138.750 €	82.500 €	82.500 €
12	UKRI	UK	ASSOCIATED	- €	- €	- €	- €	- €	- €	100%	- €	- €	- €
13	CU	UK	ASSOCIATED	- €	- €	- €	- €	- €	- €	100%	- €	- €	- €
14	UG	UK	ASSOCIATED	- €	- €	- €	- €	- €	- €	100%	- €	- €	- €
15	UNIGE	SW	ASSOCIATED	- €	- €	- €	- €	- €	- €	100%	- €	- €	- €
TOTALS				8.302.156 €	222.500 €	621.500 €	431.000 €	2.338.664 €	11.915.820 €		11.915.820 €	3.450.000 €	3.450.000 €

The budget breakdown may be adjusted — without an amendment — by transfers (between participants and budget categories), as long as this does not imply any substantive or important change to the description of the action in Annex 1.

Annex II: budget: payments

Total Budget: maximum grant amount **3.450.000,00 €** (made to the coordinator, distribute the amounts to the beneficiaries)

- **Prefinancing payment: 1.839.885,00 €** (53,3 %) (30 days from entry into force/10 days before starting date – whichever is the latest)

1.667.385,00 €+ 172.500,00 € (Mutual Insurance Mechanism, recover at the end)

- **2 Interim payments**: to cover eligible costs incurred in the reporting periods

(90 days after approval of reporting periods) up to **85%** (interim ceiling), **1.265.115,00 €**

- **the payment of the balance** after the end of the action (90 days after approval of reporting periods)

- Distribution of the payments: to be decided in future meetings and included in the consortium agreement

Reporting and payment schedule:

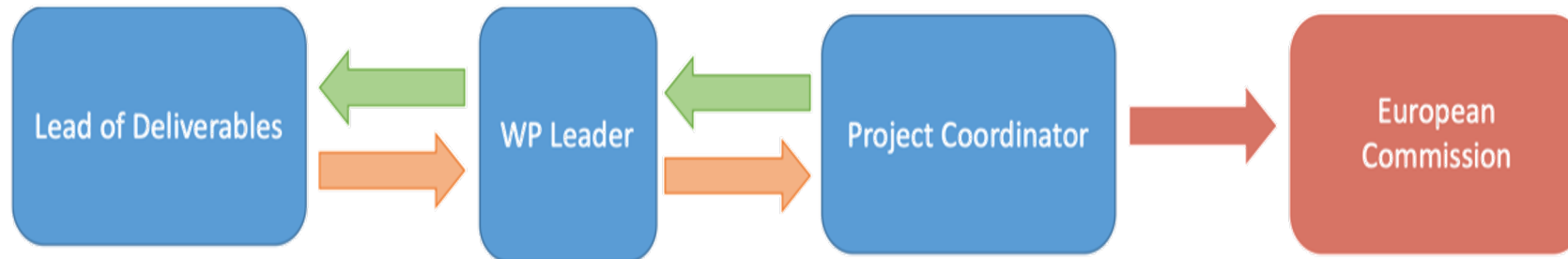
Reporting					Payments	
Reporting periods	Type	Month from	Month to	Deadline	Type	Deadline (time to pay)
-					Initial prefinancing	30 days from entry into force/10 days before starting date – whichever is the latest
1	Periodic report	1	12	31/10/2023	Interim payment	90 days from receiving periodic report
2	Periodic report	13	30	30/04/2025	Interim payment	90 days from receiving periodic report
3	Final report	31	48	31/10/2026	Final payment	90 days from receiving periodic report

Eligibility conditions

Eligible Costs	Non-eligible Costs
<ul style="list-style-type: none">• Direct Personnel costs• Subcontracting (not allowed between consortium partners)• Equipment costs (depreciation only for the project period)• Cost for consumables and supplies• Travel costs and related subsistence allowances (to apply the institution internal policy)• Dissemination costs (Full access open research journals) and Conference Fees• Costs related to IPR• Audit (Certificate Financial Statement)• Non-deductible VAT (the taxes that the institution is not allowed to deduct of project's related costs)• Translation costs (if needed for the action's implementation)• Internally invoiced costs (if their use for the action is specifically recorded and mentioned in the invoice)	<ul style="list-style-type: none">• Costs related to return on capital• Debt and debt service charges• Provisions for future losses or debts• Interest owed• Doubtful debts• Currency exchange losses• Bank charges• Excessive or reckless expenditure• Deductible VAT (if the institution can deduct the VAT from specific invoices, following national laws, the deductible percentage cannot be charged to the project)• Costs incurred during suspension of the implementation of the action• Costs declared under another EU/Euratom grant (no double funding)

Progress monitoring: reporting structure: deliverables

Deliverables: Paramount importance for Project monitoring and sharing with EC. **Template prepared by the coordinator**



Deliverables must be completed by the due date. If not, this could be financially penalized by the EC.



Submitted by PC to EC

Revised by WP leader

Revised by PC

5/6 weeks in advance
by Lead Beneficiaries

3/4 weeks in advance
Between Lead/WPLs

1/2 weeks in advance
by Lead Beneficiaries

Progress monitoring tool: List of deliverables 2023

N	N in WP	Name	LB	Type	Dissemination level	Due date	Date
D1	D1.1	Dissemination and Exploitation (D&E) Plan	IFAE	R	PU	6	28/02/2023
D2	D1.2	Data Management Plan (DMP)	IFAE	R	PU	6	28/02/2023
D10	D4.1	Scan of legal procedures, permitting and land acquisitions	NIKHEF	R	PU	10	30/06/2023
D3	D2.1	Report providing options for legal entity	NIKHEF	R	PU	11	31/07/2023
D4	D2.2	Minutes of meetings with EC and involved ministries	NIKHEF	R	PU	11	31/07/2023
D26	D7.1	Innovation plan	IFAE	R	PU	11	31/07/2023
D36	D10.1	Initiate strategic media and communications plan	UW	R	PU	11	31/07/2023
D11	D4.2	Updated socio-economic impact studies	INFN	R	PU	15	30/11/2023

List of deliverables 2024

N	N in WP	Name	LB	Type	Dissemination level	Due date	Date
D20	D6.1	Refined Science Case	UNIGE	R	PU	18	28/02/2024
D30	D8.1	Computing and Data Requirements	UNIGE	R	PU	18	28/02/2024
D33	D9.1	ET Sustainable Development Implementation Strategy	CNRS	R	PU	18	28/02/2024
D21	D6.2	Vacuum pipe Design	UAntwerpen	R	PU	24	31/08/2024
D22	D6.3	Preliminary RI TDR	INFN	R	PU	24	31/08/2024
D23	D6.4	Preliminary DET TDR	NIKHEF	R	PU	24	31/08/2024
D34	D9.2	ET Environmental impact assessment and mitigation strategy	INFN	R	PU	24	31/08/2024
D37	D10.2	Launch consortium website and social media accounts	EGO	DEC	PU	24	31/08/2024
D38	D10.3	Formulate strategic media and communications plan	NIKHEF	R	PU	24	31/08/2024
D15	D5.1	Structure and mandate of the Project Office	CNRS	R	PU	25	30/09/2024
D16	D5.2	Functionalities required from the tools in support of the project management	CNRS	R	PU	25	30/09/2024
D17	D5.3	Structure and mandate of the Engineering Department	CNRS	R	PU	25	30/09/2024
D12	D4.3	Complete quantification of all the aspects impacting the ET performance.	UW	R	PU	28	31/12/2024
D18	D5.4	Funcional Engineering Department	NIKHEF	R	PU	28	31/12/2024
D19	D5.5	Funcional Project Office	INFN	R	PU	28	31/12/2024

List of deliverables 2025

N	N in WP	Name	LB	Type	Dissemination level	Due date	Date
D13	D4.4	Report on 3D geology, hydrology, etc. model with localisation of the ET infrastructure	INFN	R	PU	29	31/01/2025
D28	D7.3	Model for pursuing in ET a balanced industrial return	INFN	R	PU	33	30/05/2025
D5	D2.3	Legal entity statutes	NIKHEF	R	PU	36	31/08/2025
D7	D3.1	Handbook for design and construction phase	UCL	R	PU	36	31/08/2025
D35	D9.3	ET CO2 footprint ET assessment and mitigation strategy	EGO	R	PU	36	31/08/2025
D39	D10.4	Complete bank of graphics and multimedia resources	IFAE	R	PU	36	31/08/2025
D24	D6.5	RI TDR	INFN	R	PU	40	31/10/2025
D8	D3.2	Handbook for operating phase	UCL	R	PU	42	31/12/2025
D14	D4.5	Updated cost and schedule estimates of the excavations	NIKHEF	R	PU	42	31/12/2025
D27	D7.2	Report on industry engagement plan execution	NIKHEF	R	PU	42	31/12/2025
D31	D8.2	Computing and Data Model	UNIGE	R	PU	42	31/12/2025

List of deliverables 2026

N	N in WP	Name	LB	Type	Dissemination level	Due date	Date
D29	D7.4	Report on TT and Intellectual property management in ET	INFN	R	PU	44	28/02/2026
D40	D10.5	Launch ECR mentorship and training programme	UKRI	R	PU	44	28/02/2026
D25	D6.6	DMP and Data Access Policy	DESY	R	PU	46	30/04/2026
D6	D2.4	Roadmap to establish the legal entity and its implementation.	NIKHEF	R	PU	47	31/05/2026
D9	D3.3	Financial plan and Scenario analysis	UCL	R	PU	47	31/05/2026
D32	D8.3	Data Access Implementation Guidelines	IFAE	R	PU	47	31/05/2026

List of milestones

Template prepared by the coordinator: lead beneficiary to scientific coordinator 7 days before due date

Number	Name	Lead beneficiary	Due date	Means of verification	WP number
M2	Document detailing the site-specific characteristics that impact ET sensitivity and its duty cycle.	NIKHEF	3	Report	4
M9	Analysis of promotion strategies accomplished	IFAE	8	Report.	7
M20	Appointment of Communications and Outreach Coordinator	UW	8	Appointment contract	10
M3	Common methodology to estimate impact of site characteristics on ET sensitivity and operation and, if required, a scheme to compensate it.	NIKHEF	10	Report	4
M10	Engagement plan produced	NIKHEF	10	Report.	7
M8	ET Collaboration in place	INFN	11	ET Symposium	6
M12	Workflows Requirements collection and constraints: computing and data	IFAE	11	Workshop (+D8.1)	8
M17	Preliminary sustainability plan	EGO	11	Report.	9
M4	The recruitment of the Project Office team is completed.	CNRS	15	Report.	5
M11	Analysis of balanced industrial return strategies accomplished	INFN	15	Report.	7
M18	ET Sustainability Workshop	EGO	18	Workshop+Report	9
M13	Computing Infrastructures availability for ET workflows, characteristics	IFAE	24	Workshop (+ D8.1)	8, 9
M21	ET Consortium website and social media launched	EGO	24	Public launch	10
M5	All three documents (WP5-D5.1, D5.2 and D5.3) are published.	CNRS	25	Report.	5
M6	The Engineering Department as a functional unit complete	NIKHEF	27	Report.	5
M7	The Project Office as a functional unit complete	INFN	27	Report.	5
M1	Constitution / first meeting of the resource board	UCL	33	Workshop	3
M14	On site infrastructure, computing and data model	CNRS	36	Workshop (+D8.2)	6, 8
M15	Low latency and offline workflows and computing model	INFN	40	Workshop (+D8.2)	6, 8
M22	ECR Mentorship and Training programme established	UW	44	Report.	10
M16	Data management, access, policy and implementation	IFAE	46	Workshop (+D8.3)	2, 6, 8 ...
M19	Final sustainability plan	EGO	47	Reports.	9

Standard time-limits after project end:

Confidentiality (for X years after final payment): 5

Record-keeping (for X years after final payment): 5

Reviews (up to X years after final payment): 2

Audits (up to X years after final payment): 2

Impact evaluation (up to X years after final payment): 5

Continuous reporting module

Activated at the Project start and opened continuously throughout the Project duration

Different documents can be inserted:

- Deliverables
- Progress in achieving milestones
- Updates
- Response to critical risks
- Answers to the questionnaire about the economic and social impact of the project

This will be done by the coordinators

Continuous reporting module

Grant Management
Grant Agreement Data

101079696 (ET-PP) HORIZON...
Security

Call: HORIZON-INFRA-2021-DEV-02
Topic: HORIZON-INFRA-2021-DEV-02-01
Deliverables Milestones Reviews Critical Risks Ethics Info Security

DOCUMENTS
Security

Project Summary
Security

Beneficiaries
Security

General Information
Security

Reporting Periods
Security

GA Information
Security

GA Options
Security

Financial Information
Security

LF Overview
Security

Associated Partners
Security

Researchers
Security

Work Packages
Security

Deliverables
Security

Milestones
Security

Reviews
Security

Critical Risks
Security

Ethics Info
Security

Security
Security

Project Summary
Security

Project 101079696 (ET-PP)
Security

Responsible Unit:
REA/C/04

Call:
HORIZON-INFRA-2021-DEV-02 submitted for HORIZON-INFRA-2021-DEV-02 / 20 Jan 2022

Topic:
HORIZON-INFRA-2021-DEV-02-01 - Preparatory phase of new ESFRI research infrastructure projects

Type of Action:
HORIZON-CSA

Duration:
48

Submission Stage:

Important Dates:

Project Start Date:
01/09/2022

Project End Date:
31/08/2026

Budget Information:

Total Costs (proposal):
12,915,436.25 €

Total Costs (Annex 2):
11,915,820.00 €

Maximum grant amount (after evaluation) :
3,450,000.00 €

Maximum Grant Amount (Annex 2):
3,450,000.00 €

Maximum Grant Amount (award decision):
3,450,000.00 €

Officers:

Project Officer:
Mina KOLEVA (REA/C/04)

Deadlines:

Deadline for first version of the grant agreement data (incl. annexes)
03/05/2022

Deadline for the signature of the participants certified declarations
24/05/2022

Deadline foreseen for the signature of the grant agreement
12/07/2022

Validate

ACKNOWLEDGMENTS IN PAPERS/PRESENTATIONS...

The ET-PP consortium will follow this rule to acknowledge:

(a) display the EU emblem and

(b) include the following text: For communication activities:

“This project has received funding from the European Union’s Horizon Europe coordinated and support action under grant agreement N° 101079696”.

For infrastructure, equipment and major results: “This [infrastructure][equipment][insert type of result] is part of a project that has received funding from the European Union’s Horizon Europe coordinated and support action under grant agreement N° 101079696”.

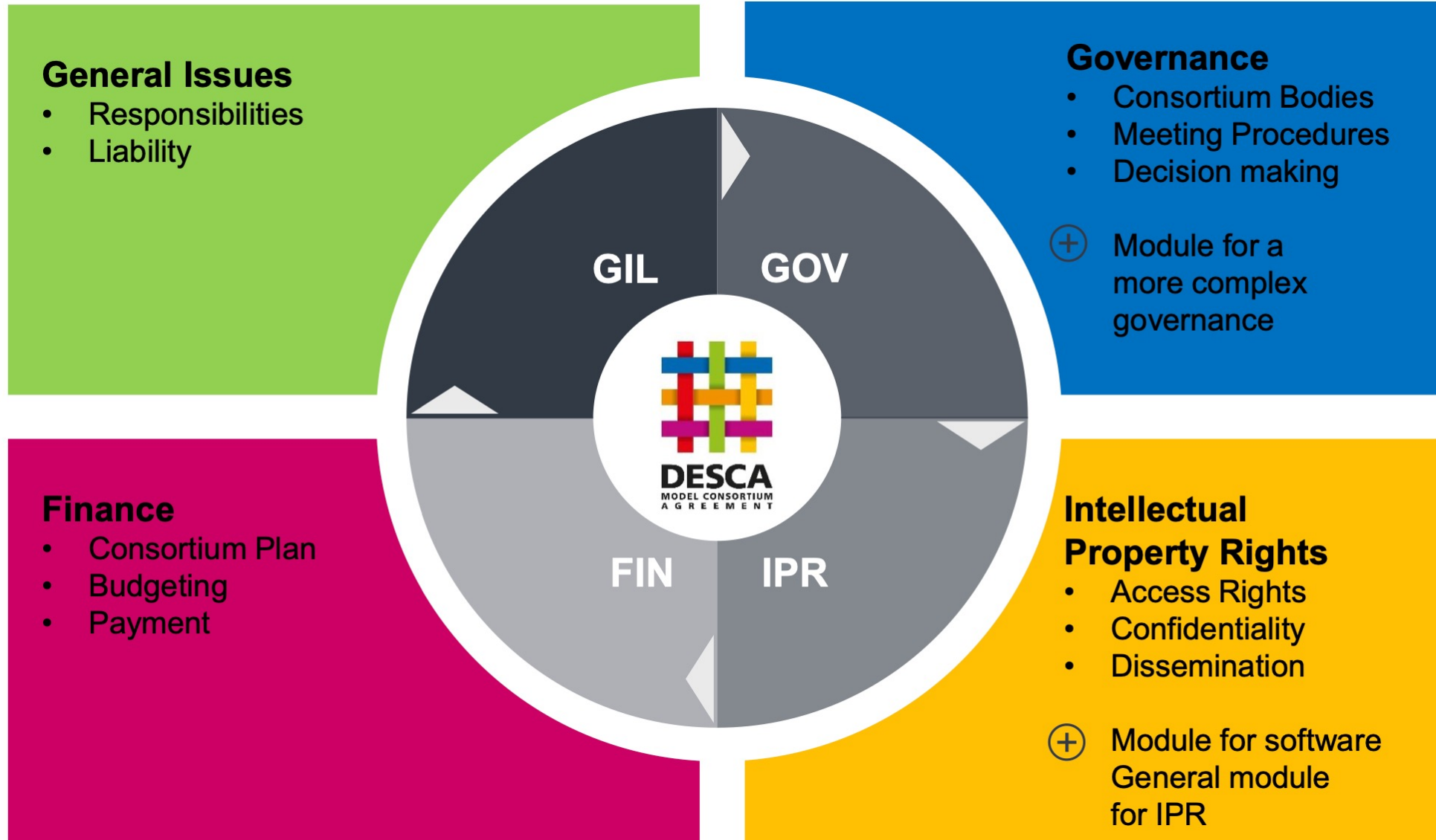
(c) Any communication or dissemination activity related to the action must use factually accurate information. Moreover, it must indicate the following disclaimer (translated into local languages where appropriate):

“Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Research Executive Agency (REA). Neither the European Union nor the REA can be held responsible for them.”

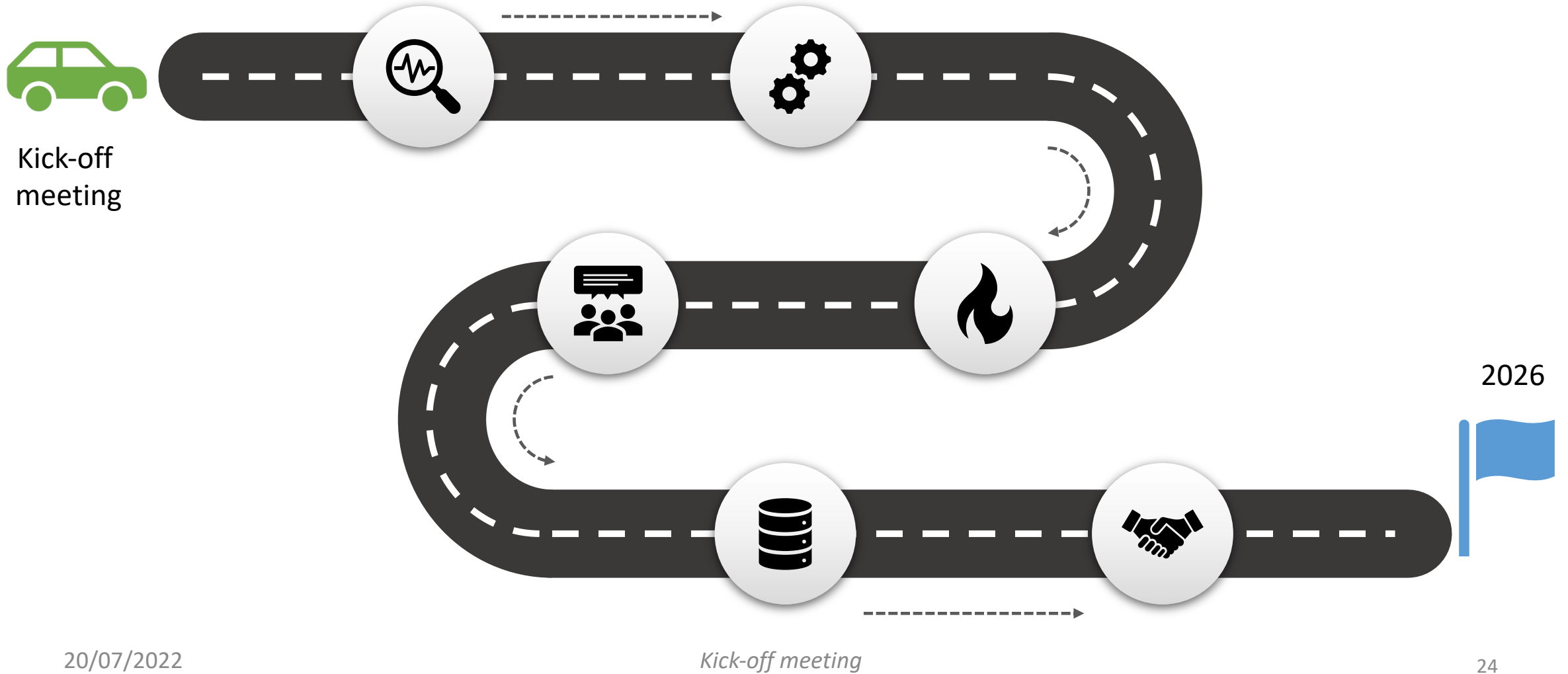


Summary of the Consortium Agreement (CA)

- Use of DESCA model and inspired by other agreements



ROADMAP TIMELINE



20/07/2022

Kick-off meeting



**Horizon Europe: Coordination
and Support Actions**

ET-PP
kick-off meeting:
administrative
details

20/07/2022

Grant agreement: N° 101079696