MuCol

A Design Study for a Muon Collier Complex at 10+ TeV Centre of Mass

Kick-off meeting

HORIZON-INFRA-2022-DEV-01-01

Angela Lahuerta
Project Officer
REA C.4

Research Infrastructures in Horizon Europe

Pillar 1
Excellent Science

- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures EUR 2,4 bn

Pillar 2
Global Challenges and European Industrial Competitiveness

Clusters
- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3
Innovative Europe

- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area

- Widening participation and spreading excellence
- Reforming and Enhancing the European R&I system

Role Distribution

<u>DG Research and Innovation</u>

-> Definition of Policies

-> Drafting the Work Programme

<u>European Research Executive Agency (REA)</u>

‘Reforming European Research & Innovation and Research Infrastructures’, **Unit C4**

-> Implementation of calls for proposals

-> Grant Management

<u>Coordinator</u>

-> Monitor that the action is implemented properly

-> Act as the intermediary for all communications with REA

-> Distribution of payments

Research Infrastructures Work Programme 2021-2022

Destinations

- **INFRASERV:** RI services to support health research, accelerate the green and digital transformation, and advance frontier knowledge
- **INFRATECH**: Next generation of scientific instrumentation, tools and methods and advanced digital solutions
- **INFRADEV:** Developing, consolidating and optimising the European RI landscape, maintaining global leadership-*Research Infrastructure Concept Development- provision of integrated RIs services to enable R&I addressing major societal challenges*
- **INFRAEOSC:** Enabling an operational, open and FAIR EOSC ecosystem
- **INFRANET:** Network connectivity in Research and Education – Enabling collaboration without boundaries

Projects (HORIZON-INFRA-2022-DEV-01-01)

Project Acronym	Project Title
ARGOS-CDS	ARGOS Conceptual Design Study: Designing a next-generation radio facility for **multi-messenger astronomy**
DAESY	**DAta** and services for the **Earth SYstem** science
ESSnuSBplus	Study of the use of the ESS facility to accurately measure the neutrino cross-sections for ESSnuSB leptonic CP violation measurements and to perform sterile **neutrino searches** and **astroparticle physics**
Euro GO-SHIP	Developing a Research Infrastructure concept to support **European hydrography**
EuroFAANG	A European infrastructure for **farmed animal genotype** to phenotype research
MDDB	Molecular Dynamics Data Bank. The European Repository for Biosimulation Data
MuCol	A Design Study for a **Muon Collider complex** at 10+ TeV center of mass
PRESTO	Pathfinder facility for a new class of precision-physics storage **rings Pathfinder** facility for a new class of PREcision-physics **STOrage rings**
PRO-GRACE	Promoting a **Plant Genetic Resource** Community for Europe
RITIFI	Research Infrastructure Technology Infrastructure For Impact
STRAITS	Strategic Infrastructure for improved **animal Tracking** in **European Seas**
WST	The Wide Field Spectroscopic Telescope

Relevant European RIs, projects and programmes

European Research infrastructures-ESFRI/ERICS

- **EuPRAXIA**, **HL-LHC** and **European Spallation Source-ERIC**

European Projects, alliances

- **EURO-LABS** (INFRASERV)
- **IMPRESS** (INFRATECH)

European Programmes

- to ensure interoperability with and availability of data to: **EOSC**

Reporting guidelines-MuCoI

European Commission

Periodic report

MuCoI: period 1 M1-24 (28/2/25), period 2 M25-48 (28/2/27)

WHEN

60 days after reporting **period end**

WHAT

Periodic Report:

HOW

via Portal

1. Technical report

- Prepared by the Coordinator

* What was done and achieved?
* Which problems were encountered?
* How can progress so far be assessed?
* Were there any deviations or corrective actions?

2. Financial report

- Individual financial statement
- Explanation of the use of resources and information on subcontracting
- The certificates on the financial statements (CFS)

Periodic reporting: reviews

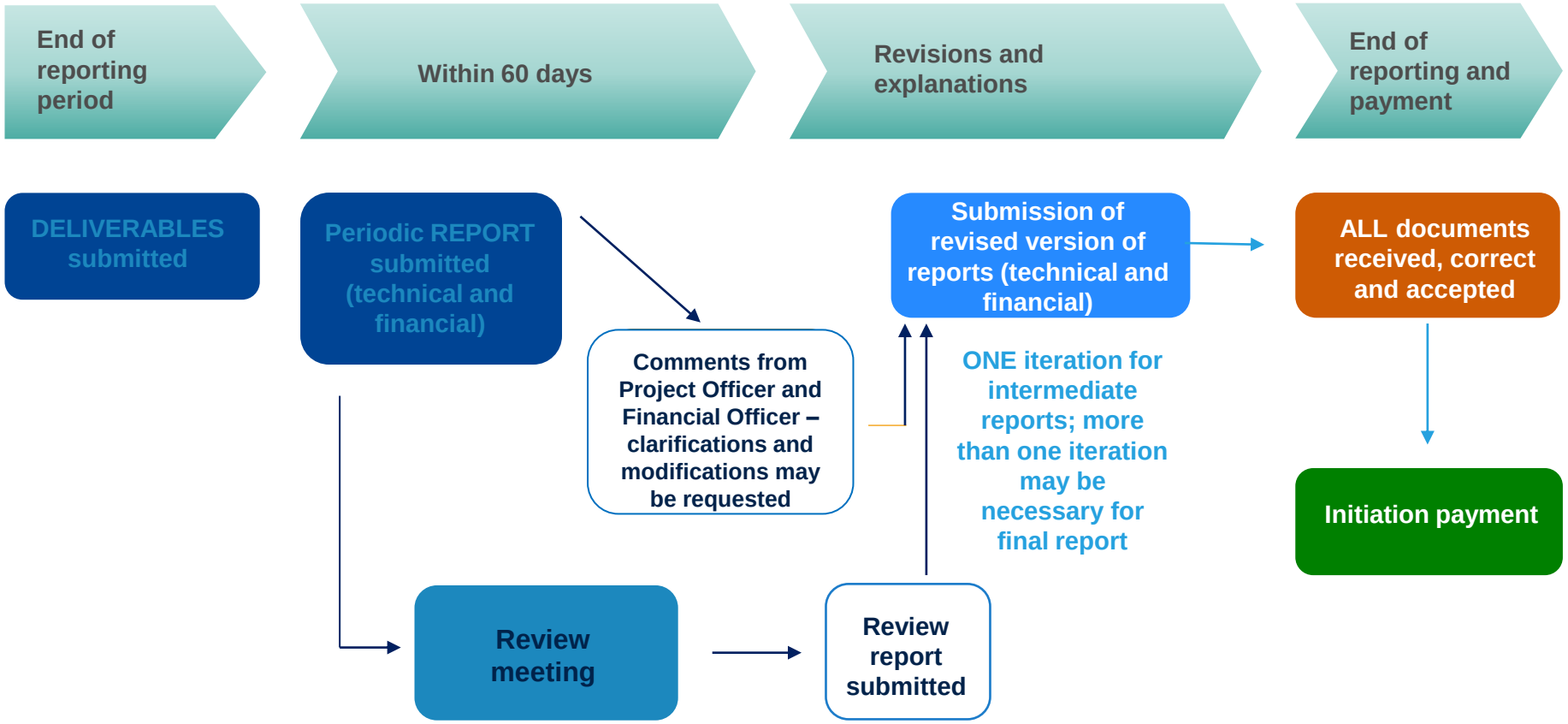
Reviews planned at the **end** of final reporting **period** (1 month after submission of reports). Article 21 of the GA
MuCoI: months 27, 51

Present the **work carried out**, main **achievements** and **use of resources**.

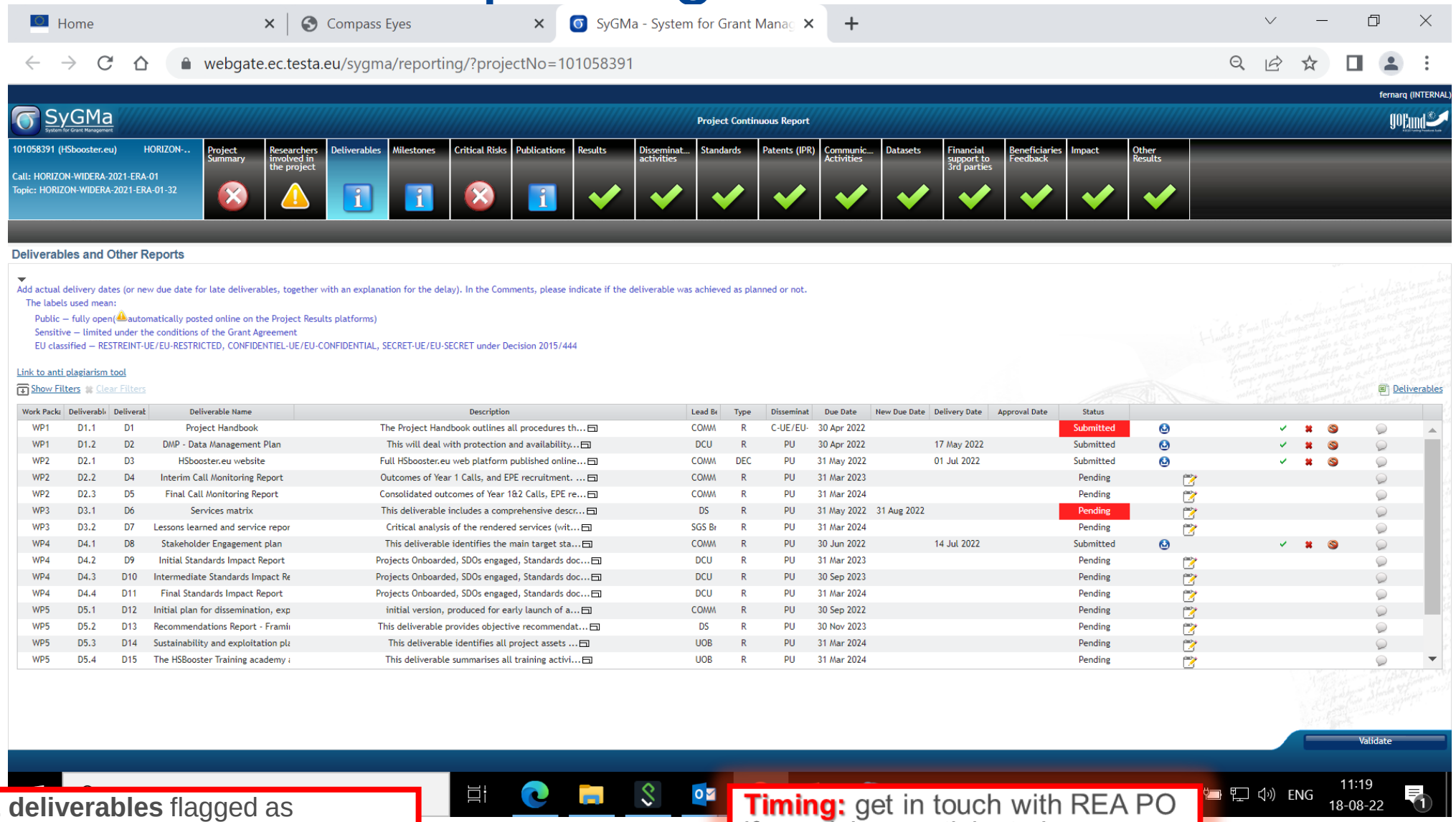
Participation of the **coordinator** and **WP leaders**.

REA **is assisted by** external **expert(s)**

Overview: Reporting and Monitoring



Continuous Reporting – deliverables



Work Packa	Deliverabl	Deliverat	Deliverable Name	Description	Lead Be	Type	Disseminat	Due Date	New Due Date	Delivery Date	Approval Date	Status
WP1	D1.1	D1	Project Handbook	The Project Handbook outlines all procedures th...	COMM	R	C-UE/EU-	30 Apr 2022				Submitted
WP1	D1.2	D2	DMP - Data Management Plan	This will deal with protection and availability...	DCU	R	PU	30 Apr 2022		17 May 2022		Submitted
WP2	D2.1	D3	HSbooster.eu website	Full HSbooster.eu web platform published online...	COMM	DEC	PU	31 May 2022		01 Jul 2022		Submitted
WP2	D2.2	D4	Interim Call Monitoring Report	Outcomes of Year 1 Calls, and EPE recruitment. ...	COMM	R	PU	31 Mar 2023				Pending
WP2	D2.3	D5	Final Call Monitoring Report	Consolidated outcomes of Year 1&2 Calls, EPE re...	COMM	R	PU	31 Mar 2024				Pending
WP3	D3.1	D6	Services matrix	This deliverable includes a comprehensive descr...	DS	R	PU	31 May 2022	31 Aug 2022			Pending
WP3	D3.2	D7	Lessons learned and service repor	Critical analysis of the rendered services (wit...	SGS Br	R	PU	31 Mar 2024				Pending
WP4	D4.1	D8	Stakeholder Engagement plan	This deliverable identifies the main target sta...	COMM	R	PU	30 Jun 2022		14 Jul 2022		Submitted
WP4	D4.2	D9	Initial Standards Impact Report	Projects Onboarded, SDOs engaged, Standards doc...	DCU	R	PU	31 Mar 2023				Pending
WP4	D4.3	D10	Intermediate Standards Impact Re	Projects Onboarded, SDOs engaged, Standards doc...	DCU	R	PU	30 Sep 2023				Pending
WP4	D4.4	D11	Final Standards Impact Report	Projects Onboarded, SDOs engaged, Standards doc...	DCU	R	PU	31 Mar 2024				Pending
WP5	D5.1	D12	Initial plan for dissemination, exp	initial version, produced for early launch of a...	COMM	R	PU	30 Sep 2022				Pending
WP5	D5.2	D13	Recommendations Report - Framir	This deliverable provides objective recommendat...	DS	R	PU	30 Nov 2023				Pending
WP5	D5.3	D14	Sustainability and exploitation pla	This deliverable identifies all project assets ...	UOB	R	PU	31 Mar 2024				Pending
WP5	D5.4	D15	The HSBooster Training academy a	This deliverable summarises all training activi...	UOB	R	PU	31 Mar 2024				Pending

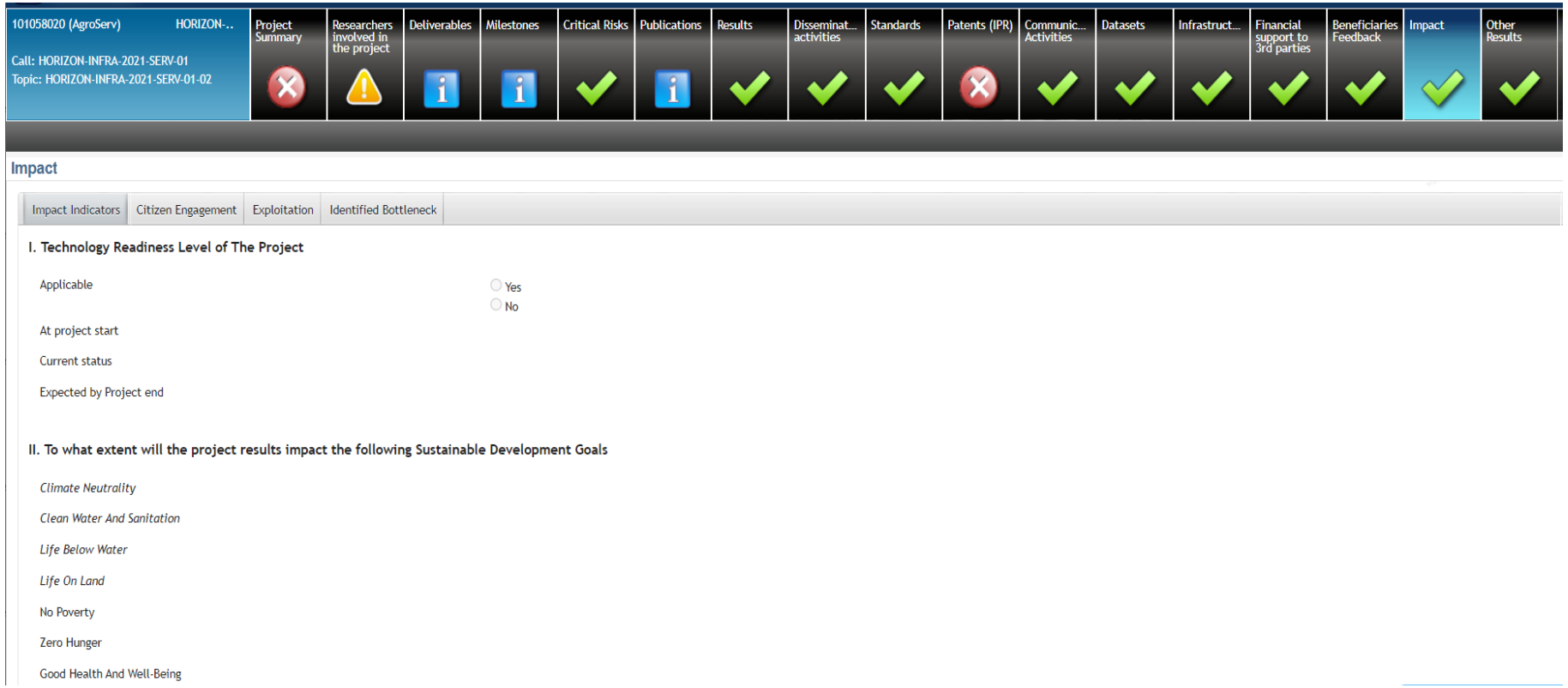
!!!!! All HE deliverables flagged as **'PUBLIC'** will be **published in Cordis**

Be particularly attentive to quality of all public deliverables!

Timing: get in touch with REA PO if any delays anticipated

Novelties in continuous reporting - HE

Coordinators' day autumn 2022



Title: Horizon Europe Coordinators' Day on Grant Management
Date: 04 October 2022, from 09:30am to 12:40am (CET, Brussels time)
Event video link:
Horizon Europe Coordinators' Day: Grant Management (4 October 2022) - YouTube

Financial management: some advice

- Personnel Costs: **KEEP TIME RECORDS** of the hours worked on the action (if not working full time on an EU project)
- Meetings: collect participants' signatures (especially if you reimburse or claim travel costs)
- Any **subcontracting**?
  - If you need a subcontract which is not planned in the Description of Action, ask approval to the REA project officer **beforehand** as this may require an AMD
- Note to the coordinator **if one partner overspends**, it is up to the coordinator with the Consortium to decide internally how the EU contribution will be distributed (i.e. full amount if the overspending is due to anticipated work, or only the budget share agreed for the reporting period).

Amendments

European Commission

Amendments

Budget transfer is allowed between **beneficiaries** and among existing **budget categories** without filing an amendment

Action to be implemented **as described** in Annex I

If the **change** is **significant**, an **amendment** to the GA is needed

Grant agreement duration is, as a rule, not extended (except Force Majeure)

Amendment needed if:

- Change of **Annex 1** (description of action)
- Change of **Annex 2** estimated budget
- Change of **coordinator or its legal status**
- Change of the coordinator's **bank account** for payments
- Addition/removal of **linked third party**
- Change of action's **title**, acronym, **duration**, reporting **periods**
- Change of dissemination status of a deliverables (PU→SEN or SEN→PU)

TIP

Always contact the REA PO (Coordinator – PO) to discuss the typology and impact of change

Communication, Dissemination, Exploitation

European Commission

Communication, dissemination and exploitation

Communication:
Promote your action and results

Inform, promote and communicate your activities and results

Reaching multiple audiences
Citizens, the media, stakeholders

How?
- Having a well-designed strategy
- Conveying clear messages
- Using the right media channels

When?
From the start of the action until the end

Why?
- Engage with stakeholders
- Attract the best experts to your team
- Generate market demand
- Raise awareness of how public money is spent
- Show the success of European collaboration

Legal obligation of your Grant Agreement

Dissemination:
Make your results public

Open Science: knowledge and results (free of charge) for others to use

Only to scientists?
Not only but also to others that can learn from the results: authorities, industry, policymakers, sectors of interest, civil society

How?
Publishing your results on:
- Scientific magazines
- Scientific and/or targeted conferences
- Databases

When?
At any time, and as soon as the action has results

Why?
- Maximise results' impact
- Allow other researchers to go a step forward
- Contribute to the advancement of the state of the art
- Make scientific results a common good

Legal obligation of your Grant Agreement

Exploitation:
Make concrete use of results

Commercial, Societal, Political Purposes

Only by researchers?
Not only, but also:
- Industry including SMEs
- Those that can make good use of them: authorities, industrial authorities, policymakers, sectors of interest, civil society

How?
- Creating roadmaps, prototypes, softwares
- Sharing knowledge, skills, data

When?
Towards the end and beyond, as soon as the action has exploitable results

Why?
- Lead to new legislation or recommendations
- For the benefit of innovation, the economy and the society
- Help to tackle a problem and respond to an existing demand

Legal obligation of your Grant Agreement

Acknowledge EU Funding

Article 17.2 of the Horizon Europe grant agreement: Visibility - European flag and funding statement

Make sure to display the European flag (emblem), do not use the European Commission logo!

Find guidance and download the EU emblem: https://europa.eu/!m83Myq

Disclaimer

Disclaimer GA art . 17.3 must be added in any publication/output:

” 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 [name of the granting authority]. Neither the European Union nor the granting authority can be held responsible for them.”

How can REA support you?

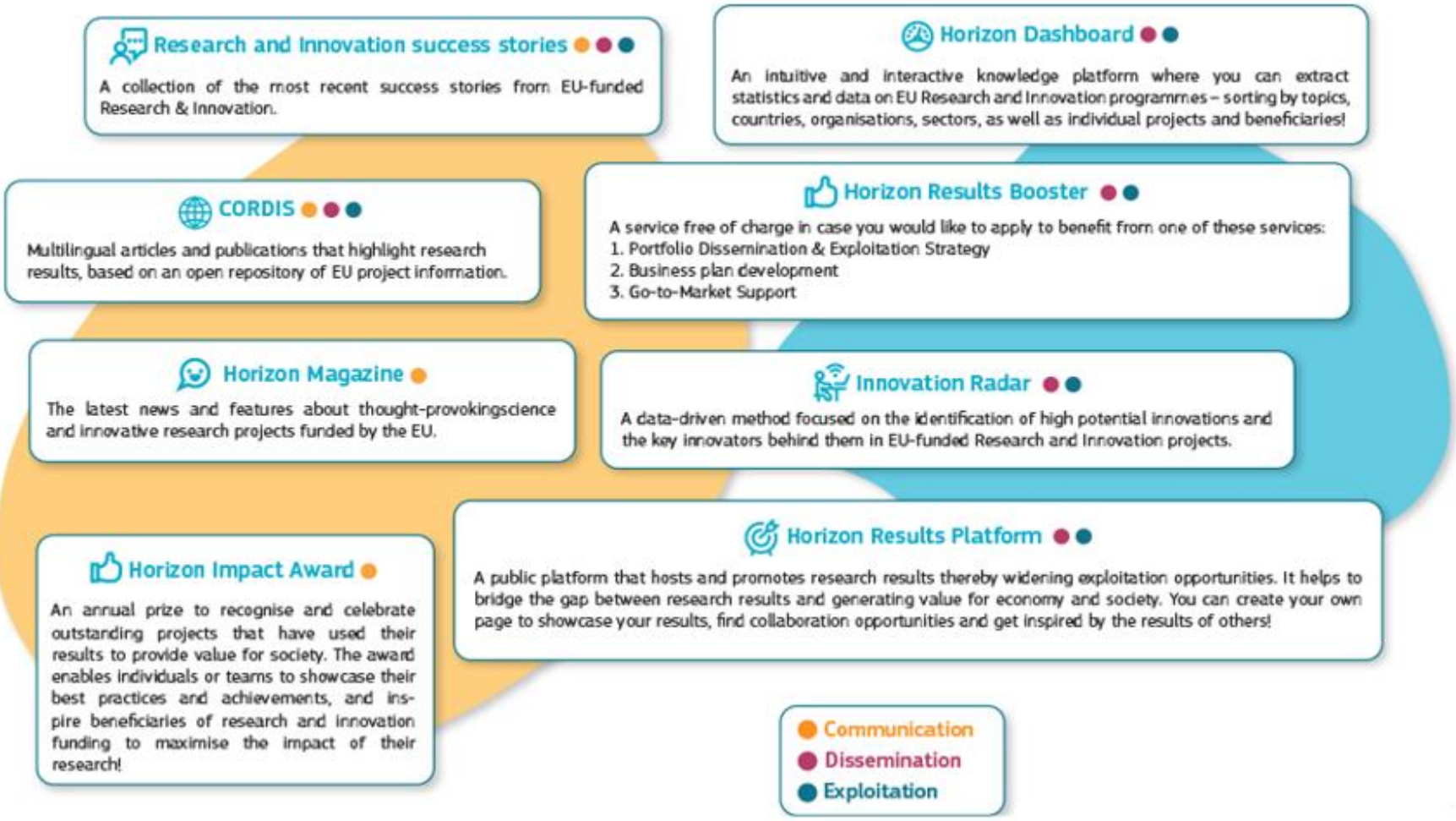
Has your project won an important scientific award? Have you made a ground-breaking discovery and are featured in the press?
Don’t forget to inform your project officer!

REA’s Communication team can help promote by:

• Highlighting & multiplying your news and results through our own and the Commission’s social media channels **(please tag us!)**

• Proposing your project’s success story for inclusion in the European Commission’s free-of-charge communication channels.

Free-of-charge European Commission dissemination tools



Open Science

European Commission

Open Research Europe

Why Open Research Europe?

- **Support our open access policy** and beneficiary capacity to adhere to it and also enables **publishing post-grant**
- Leading by example in operationalising **open science principles** within scientific publishing and **enabling the European Research Area**
- Contribute to **transparency** and **cost-effectiveness** and explore **sustainable** open access publishing business models

What is Open Research Europe?

- **A peer-reviewed** publishing platform. Not a repository. Post-publication peer-review model. First you publish, then review takes place. Publication and review reports open access under CC BY licenses. Optional service for our beneficiaries at no cost to them.

Key points on open science in Horizon Europe

- Beneficiaries **must manage the digital research data** generated in the action responsibly, **in line with the FAIR ("Findable", "Accessible", "Interoperable", Reusable") principle**

- Establish + regularly update a **data management plan** ('DMP') for generated (and/or collected) data

- **Ensure open access 'as open as possible, as closed as necessary'**

Useful resources

- Horizon Europe Annotated Model Grant Agreement

- Horizon Europe Data Management Plan Template (under reference documents of the Funding and Tenders portal).

Open access to publications

- Beneficiaries (or authors) **must retain sufficient intellectual property rights** to comply with the open access requirements

- Publication in venue of their choice but **publication fees are reimbursable only if publishing venue is full open access** (publication fees in hybrid venues are not reimbursed)

- Beneficiaries have the possibility to publish at no costs in **Open Research Europe**, the European Commission open access publishing platform

Audits

European Commission

Audits

Audits can be carried out **during** the entire **lifetime** of the **project**, by the European Commission, **not later than 2 years after** the payment of the balance.
Two types of audits: **financial** and/or **technical audits**

Keeping records: Keep a **clear account of the project activities** during the reporting period (Article 20 Grant Agreement).

Beneficiaries must keep **records and other supporting documentation up to 5 years** in order to prove the proper implementation and the costs declared as eligible.

Links and useful information

European Commission

HE Online Manual

https://webgate.ec.europa.eu/funding-tenders-opportunities/display/OM/Online+Manual

Grant management

- Keeping records
- Amendments
- Reports & payment requests
- Deliverables & milestones
- Dissemination & exploitation
- Communicating your project
- Acknowledgement of EU funding
- Checks, audits, reviews & investigations

Useful links

HE Annotated Model Grant Agreement

Guidance on social media for EU funded R&I projects

Horizon Europe – Funding Programme for Research and Innovation

Factsheet ‘Open Science in Horizon Europe’

Communication on ‘A new ERA for Research and Innovation’

Pact for Research and Innovation in Europe

Keep in touch

ec.europa.eu/info/research-and-innovation_en

europeancommission

rea.ec.europa.eu

@EuropeanCommission

@REA_research

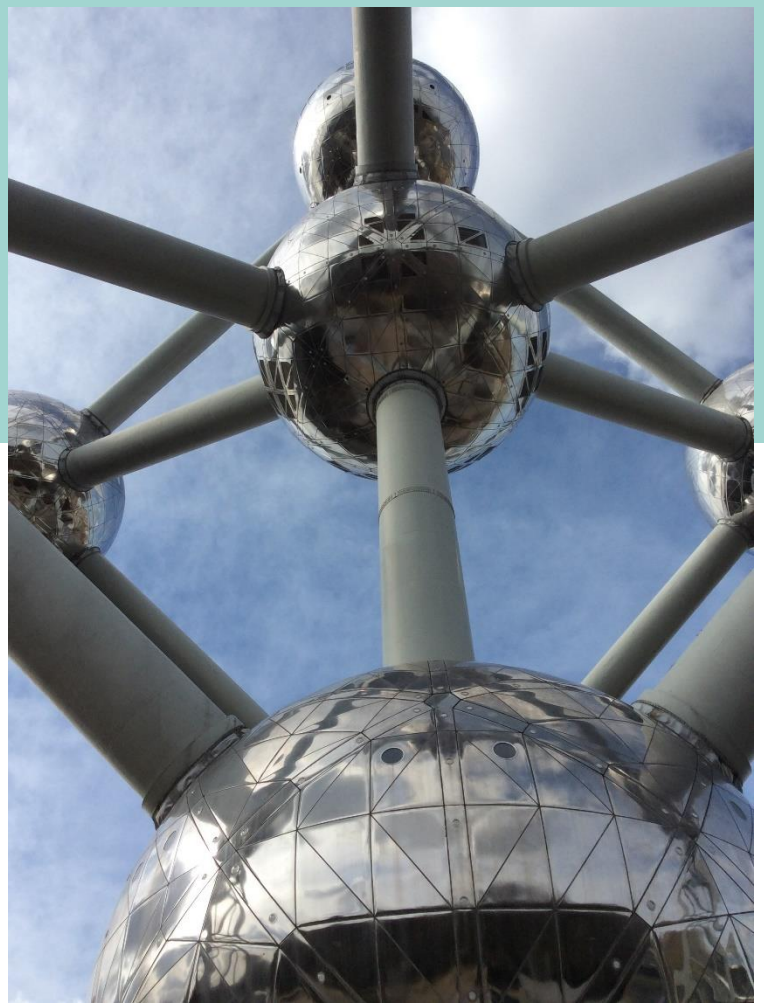
EUTube

European Research Executive Agency (REA)

EU Spotify

Thank you

angela.lahuerta-marin@ec.europa.eu



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Extra-Slide

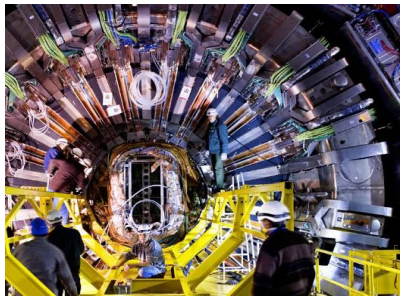
European Commission

Research Infrastructures

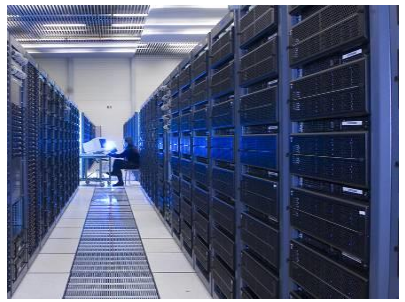
Facilities providing resources and services for research communities to conduct research and foster innovation (single site, distributed, virtual). They provide **access to external users**.

Knowledge-related facilities

Major scientific equipments



ICT infrastructures



e.g.: archives, collections, data infrastructures, telescopes, research vessels, FEL, computing systems, communication networks

Inter alia, RIs contribute to:

- ✓ Extend the frontiers of knowledge
- ✓ Exchange and transmit knowledge
- ✓ Train the next generation of top researchers
- ✓ Support industrial innovation