TECHNISCHE UNIVERSITÄT DRESDEN

DRESDEN concept

European Project Center

Horizon Europe

Turn your project idea into a successful proposal

COMP-ECO Workshop

20.-21.06.2023

Warsaw, PL

EPC European Project Center

WORKSHOP AGENDA

From idea to submission

1. Get started
2. Build your consor-tium
3. Define your objec-tives
4. Your pathway to impact
5. Meas-ures to maxi-mise your impact
6. Develop your work plan
7. Analyze poten-tial risks
8. Address cross-cutting issues
9. Tips and Tricks

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GET STARTED

How are my project results linked to policy priorities?

Strategic Plan 2021-2024

EU Policy Priorities
(Green Deal, Fit for the digital age, …)

Key Strategic Orientations
(Strategic objectives where R&I is expected to make a difference)

Impact areas
Transformations to be fostered through R&I

Work Programme 2021-2022

Expected Impacts = Destinations

Expected Outcomes = Topics

Your project results

GET STARTED

How to read a topic description?

HORIZON-CL5-2023-D3-02-15: CRITICAL TECHNOLOGIES TO IMPROVE THE LIFETIME, EFFICIENT DECOMMISSIONING AND INCREASE THE CIRCULARITY OF OFFSHORE AND ONSHORE WIND ENERGY SYSTEMS

TOPIC STRUCTURE:

- Identifier + Title
- Conditions for the Call (incl. deadline)
- Specific conditions
- Scope
- Expected outcome

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GET STARTED

Analyze your topic: Identifier

HORIZON-CL5-2023-D3-02-15: CRITICAL TECHNOLOGIES TO IMPROVE THE LIFETIME, EFFICIENT DECOMMISSIONING AND INCREASE THE CIRCULARITY OF OFFSHORE AND ONSHORE WIND ENERGY SYSTEMS

Cluster 5: "Climate, Energy and Mobility"
Policy priorities:

- Going Climate-Neutral by 2050
- A Clean Planet for all
- United Nations Sustainable Development Goals

GET STARTED

Analyze your topic: Identifier

HORIZON-CL5-2023-D3-02-15: CRITICAL TECHNOLOGIES TO IMPROVE THE LIFETIME, EFFICIENT DECOMMISSIONING AND INCREASE THE CIRCULARITY OF OFFSHORE AND ONSHORE WIND ENERGY SYSTEMS

Destination 3: "Sustainable, secure and competitive energy supply"

[i] Key Strategic Orientations (KSO): Make Europe the first digitally enabled circular, climate-neutral and sustainable economy / lead the development of key enabling and emerging technologies

[i] Impact Area: industrial leadership in KET; affordable clean energy

[i] Expected Impact: Clean and sustainable transition of the energy and transport sectors towards climate neutrality facilitated by innovative cross-cutting solutions

GET STARTED

Analyze your topic: Specific Conditions

HORIZON-CL5-2023-D3-02-15: CRITICAL TECHNOLOGIES TO IMPROVE THE LIFETIME, EFFICIENT DECOMMISSIONING AND INCREASE THE CIRCULARITY OF OFFSHORE AND ONSHORE WIND ENERGY SYSTEMS

Expected EU contribution per project	The EU estimates that an **EU contribution of around EUR 4.00 million** would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.

Medium consortium with 5 - 10 partners

GET STARTED

Analyze your topic: Specific Conditions

HORIZON-CL5-2023-D3-02-15: CRITICAL TECHNOLOGIES TO IMPROVE THE LIFETIME, EFFICIENT DECOMMISSIONING AND INCREASE THE CIRCULARITY OF OFFSHORE AND ONSHORE WIND ENERGY SYSTEMS

Indicative budget	The total indicative budget for the topic is **EUR 12.00 million**.

3 projects to be funded

GET STARTED

Analyze your topic: Specific Conditions

HORIZON-CL5-2023-D3-02-15: CRITICAL TECHNOLOGIES TO IMPROVE THE LIFETIME, EFFICIENT DECOMMISSIONING AND INCREASE THE CIRCULARITY OF OFFSHORE AND ONSHORE WIND ENERGY SYSTEMS

Type of Action	**Research and Innovation Actions**
Technology Readiness Level	Activities are expected to **achieve TRL 5** by the end of the project – see General Annex B.

Position of project between idea and market: Validation in relevant environment

BUILD YOUR CONSORTIUM
Participation Rules

Collaborative projects:

- at least **one** independent legal entity established in a **Member State**, and
- at least **two** other independent legal entities each established either in a **different Member State or an Associated Country.**

BUILD YOUR CONSORTIUM
Who is eligible for funding?

EU COUNTRIES

- Member States (MS) including their outermost regions
- The Overseas Countries and Territories (OCTs) linked to the MS.

NON-EU COUNTRIES

- Countries associated to Horizon Europe (AC)
- Low and middle income countries: See HE Programme Guide.
- Other countries when announced in the call or exceptionally if their participation is essential

SPECIFIC CASES

- Affiliated entities established in countries eligible for funding.
- EU bodies
- International organisations (IO):
  - International European research organisations are eligible for funding.
  - Other IO are not eligible (only exceptionally if participation is essential)

DEFINE YOUR PROJECT OBJECTIVES

Right questions:

What do I want to achieve?

What should be achieved?

What is my vision?

Which approach do I choose?

What do I need to achieve in the project in order to (later) achieve the expected impact?

Wrong question:

What do I want to do?

Objectives ≠ Workplan

S M A R T

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HORIZON EUROPE STRUCTURE

Pillar I

EXCELLENT SCIENCE

reinforcing and extending the excellence of the Union's science base

Pillar II

GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETETIVENESS

boosting key technologies and solutions underpinning EU policies & Sustainable Development Goals

Pillar III

INNOVATIVE EUROPE

stimulating market-creating breakthroughs and ecosystems conducive to innovation

WIDENING PARTICIPATIONS & STRENGTHENING THE EUROPEAN RESEARCH AREA

optimising strengths & potential for a more innovative Europe

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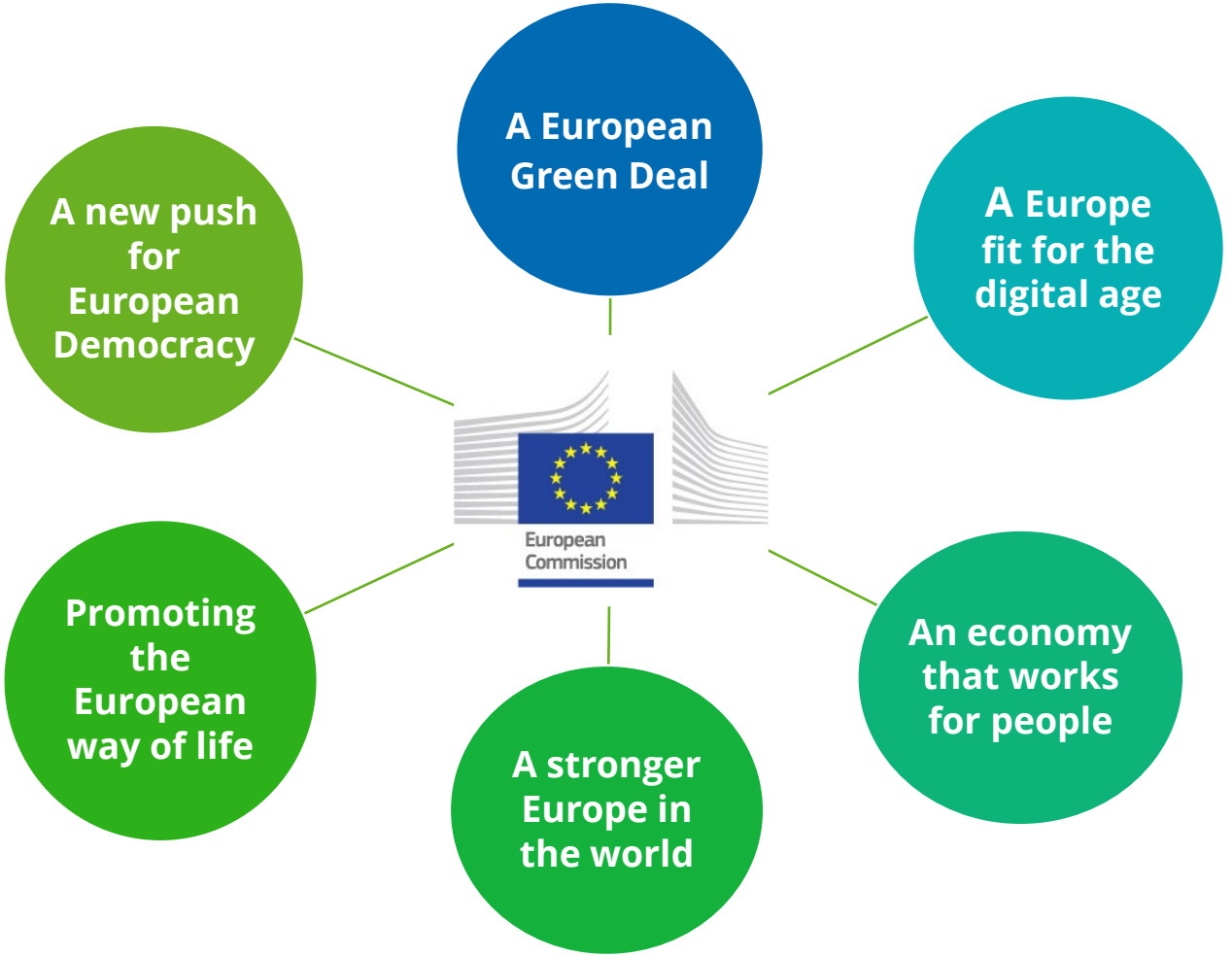
Your pathway to impact

6 European Commission priorities for 2019-24



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YOUR PATHWAY TO IMPACT

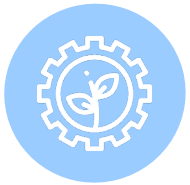
Types of impact based on objectives

Scientific impact

Promote scientific excellence, support the creation and diffusion of high-quality new fundamental and applied knowledge, skills, training and mobility of researchers, attract talent at all levels, and contribute to full engagement of Union's talent pool in actions supported under the Programme.

Societal impact

Generate knowledge, strengthen the impact of R&I in developing, supporting and implementing Union policies, and support the uptake of innovative solutions in industry, notably in SMEs, and society to address global challenges, inter alia the SDGs

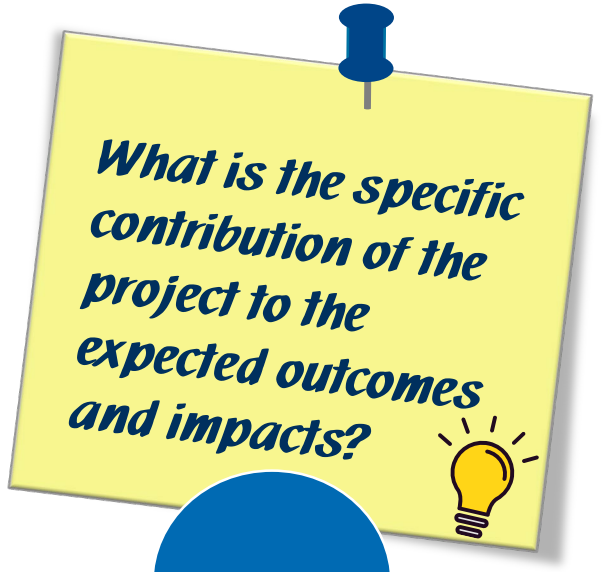


Economic impact

Foster all forms of innovation, facilitate technological development, demonstration and knowledge transfer, and strengthen deployment of innovative solutions

YOUR PATHWAY TO IMPACT

Project's pathway towards impact



NEEDS	RESULTS	DISS & EXPL.	OUT-COMES	IMPACTS
What are the specific needs that triggered this project?	What do you expect to generate by the end of the project?	Who is your target group? Who are your stakeholders?	What change do you expect to see **after successful** dissemination of project results to the target group(s)?	What are the expected wider scientific, economic and societal effects of the project contributing to the expected impacts outlined in the respect-tive destination in the Work Programme?

Implementation

Effects

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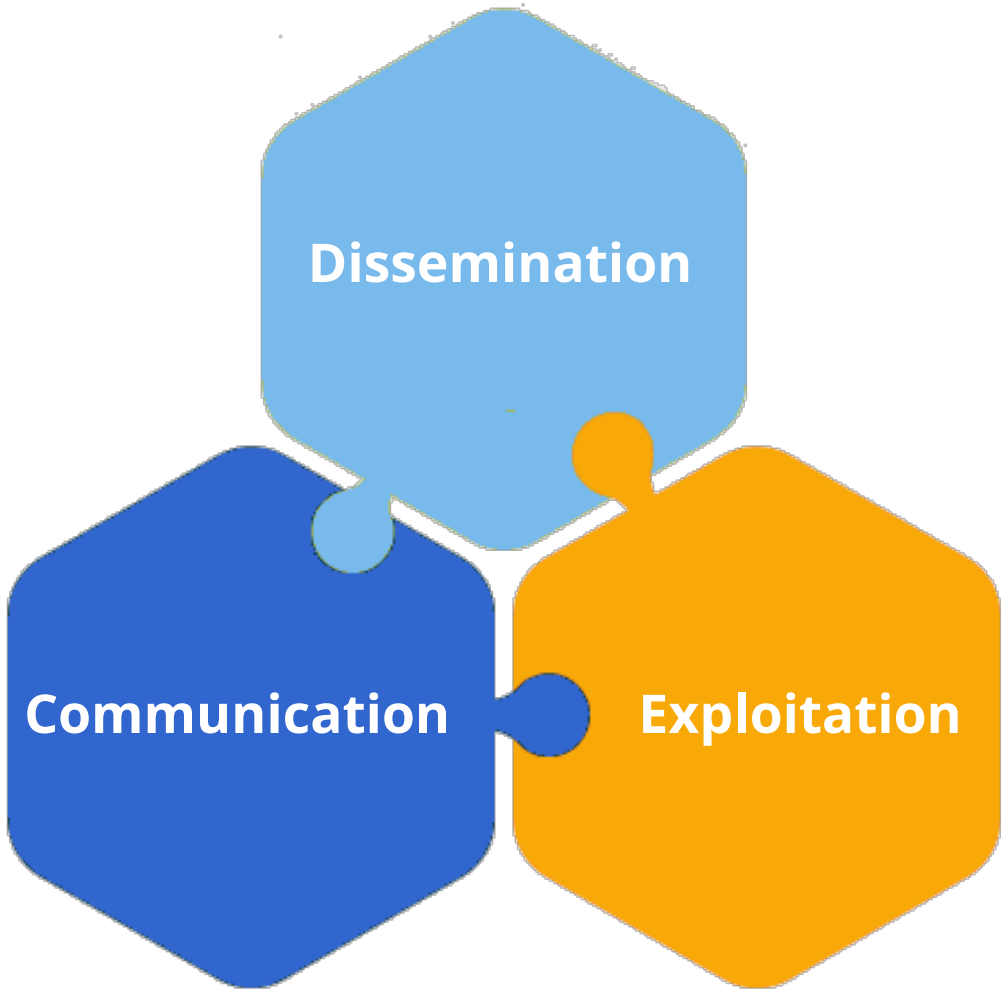
MEASURES TO MAXIMIZE IMPACT

Dissemination, communication, exploitation



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MEASURES TO MAXIMIZE IMPACT

Communication vs. Dissemination

- About the project and results
- Multiple audiences
  Beyond the project's own community (include the media and the public)
- Inform and reach out to society, show the benefits of research

- About results only
- Audiences that may use the results in their own work
- e.g. peers, industry and other commercial actors, professional organisations, policymakers
- Enable use and uptake of results

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MEASURES TO MAXIMIZE IMPACT

Dissemination **vs.** **Exploitation**

- Describe and make results visible
- To audiences that may use the results
- That may enable their use and uptake

- Actual use of the results for scientific, societal, economic purposes or for policy making
- All results generated during the project lifetime but also after its end

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DEVELOP YOUR WORK PLAN
Detailed Work Package Description

List of work packages

Work package No	Work Package Title	Lead Participant No	Lead Participant Short Name	Person-Months	Start Month	End month

needed for each WP

Work package description

Work package number	
Work package title	
Objectives	
Description of work *Task 1.1: Name of Task* *(Mxx-Mxx; lead: XYZ; others: XXX, XYZ, ABC)* Description of task. *Task 1.2: Name of Task* *(Mxx-Mxx; lead: XYZ; others: XXX, XYZ, ABC)* Description of task.	

List of Deliverables

Number	Deliverable name	Short description	Work package number	Short name of lead participant	Type	Dissemination level	Delivery date (in months)

- **Split all activities** in the project into tasks
- **Group tasks into WPs** and formulate the WPs' objectives
- Show **interconnections/relations/interaction** between WPs
- Appoint a responsible leader (= **WP Leader**) and involved partners
- Derive **duration** and **effort** from tasks
- Define **deliverables** (results)

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DEVELOP YOUR WORK PLAN
Work Packages, Tasks

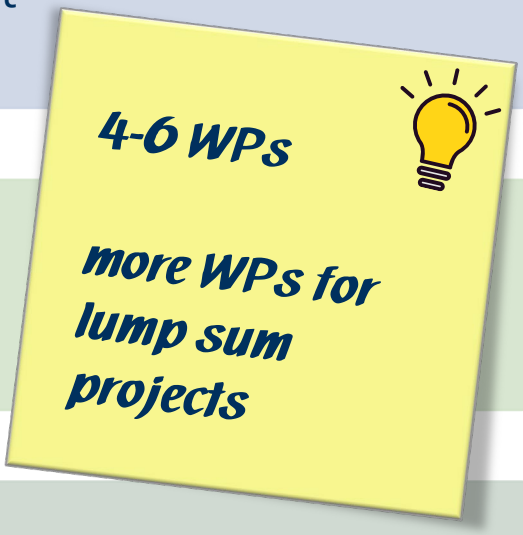
Objectives:

Manage project efficiently

Develop, research, test, validate....

Inform about the project, disseminate results develop exploitation pathways

WP Project Management	• Scientific/Technical Coordination • Administrative Management • ...
Technical WPs	• Task x.1 • Task x.2
WP Dissemination, Exploitation, Communication	• Communication material • Dissemination, Exploitation and Communication Plan • Exploitation road map



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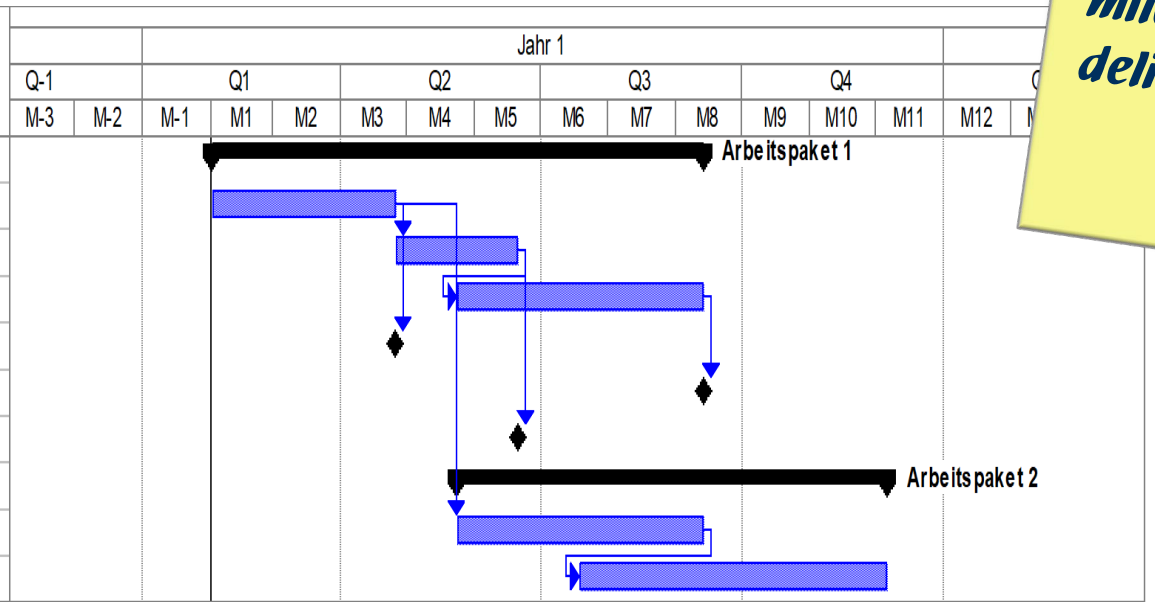
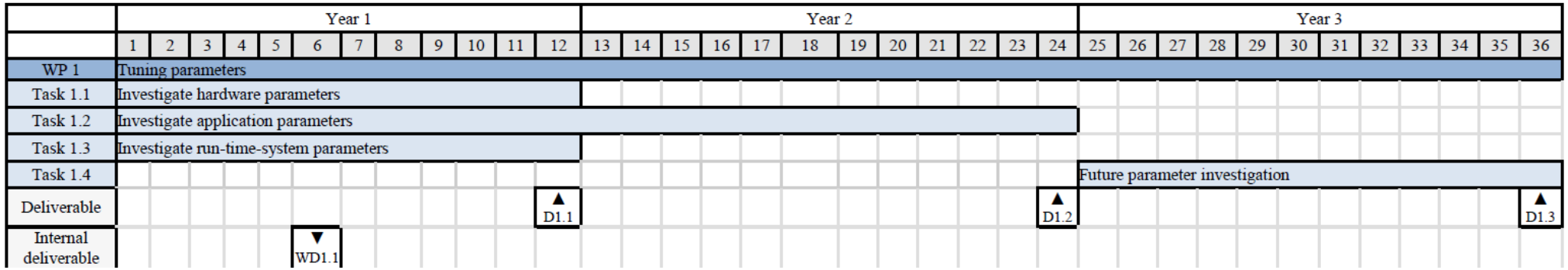
DEVELOP YOUR WORK PLAN

Time planning - GANTT

Include milestones and deliverables

Nr.	Vorgangsname	Dauer
1	**Arbeitspaket 1**	**8 Monate**
2	Aufgabe 1.1	3 Monate
3	Aufgabe 1.2	2 Monate
4	Aufgabe 1.3	4 Monate
5	Ergebnis 1.1	0 Tage
6	Ergebnis 1.2	0 Tage
7	Meilenstein 1.1	0 Tage
8	**Arbeitspaket 2**	**7 Monate**
9	Aufgabe 2.1	4 Monate
10	Aufgabe 2.2	5 Monate





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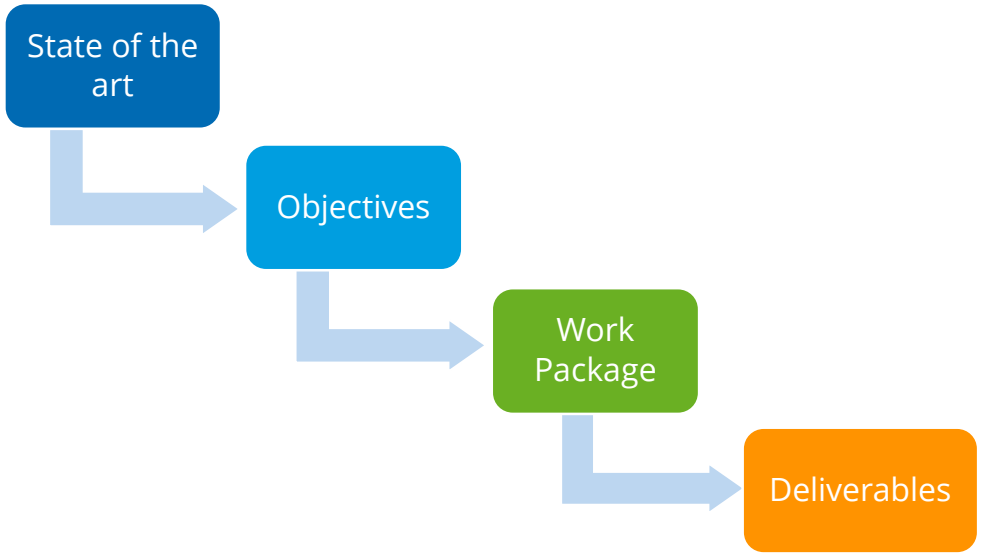
DEVELOP YOUR ACTION PLAN
Deliverable vs. Milestone



Deliverable
= Output of a certain task
- ✓ Basis for success and progress monitoring of EC
- ✓ E.g. report, prototype, formula, description of procedure, event

Milestone
= Control point; important interim objective
- ✓ Important tool to monitor progress
- ✓ Assure evidence!

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DEVELOP YOUR ACTION PLAN
Resource planning

Plan the budget according to tasks and roles of the partners in the project

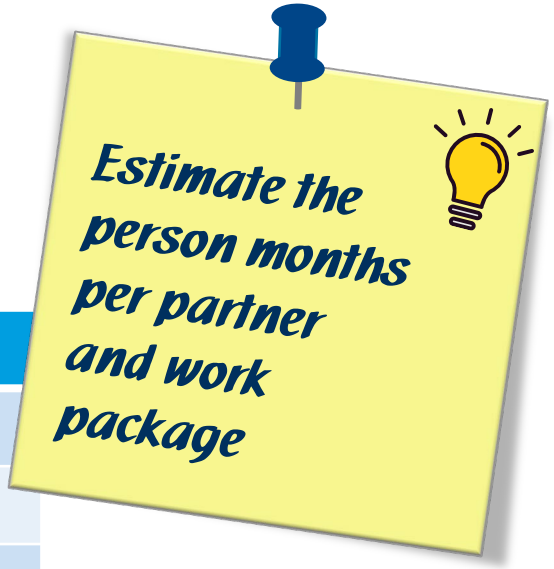
Applicable funding rates
- RIA: 100%, IA: 70% (except non-profit, which are still funded 100%)

Cost categories
- Personnel, equipment, travel,...

Budget approach

Negotiations (budget-cuts)

DEVELOP YOUR WORK PLAN
Resource planning

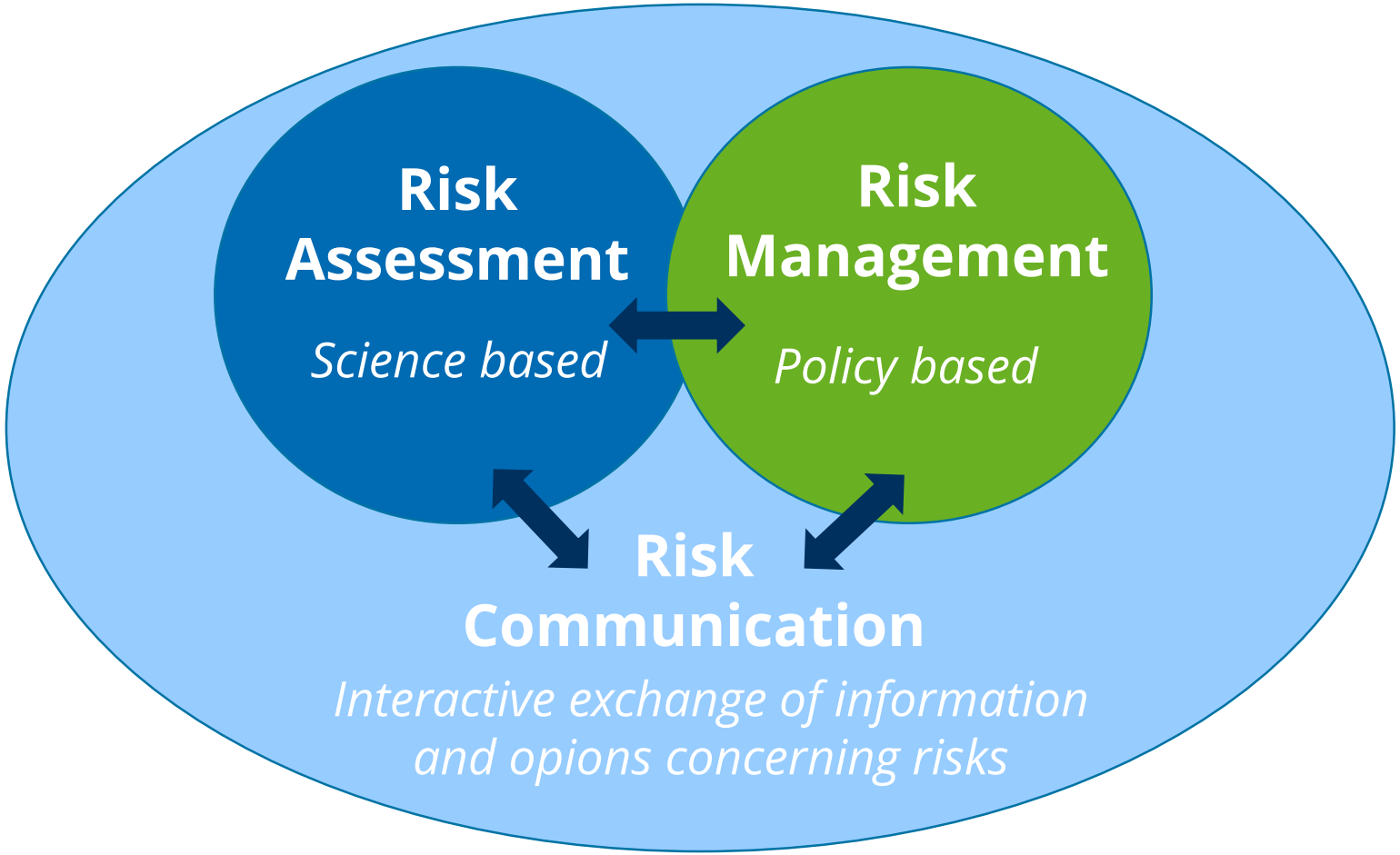


Partner	WP1	WP2	WP3	WP4	WP5	Total
1	9 PM					
2						
3						
4						
5						
6						
Total						

PM = person months = human effort (time) devoted to the project/WP based on full-time equivalent

ANALYZE POTENTIAL RISKS

Process of Risk Analysis



Risk Management is key to successful project implementation

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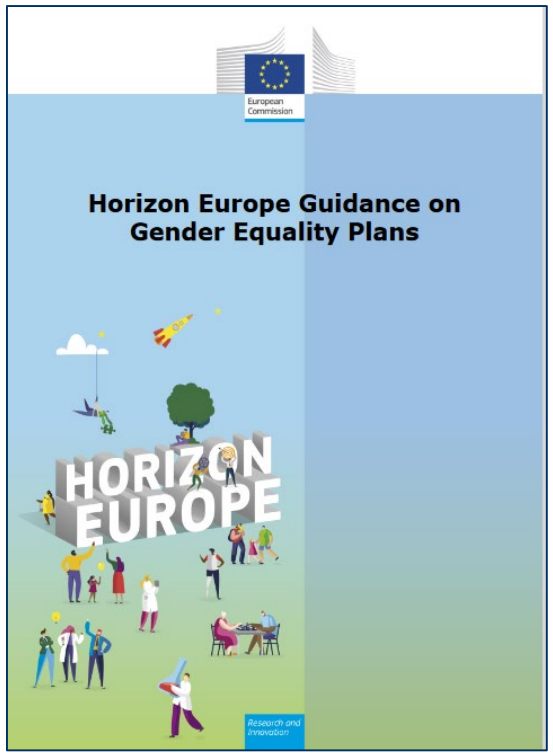
CROSS CUTTING ISSUES
Gender equality & inclusivness



- Gender equality as a cross-cutting principle
- Aim: eliminating gender inequality
- Three different levels
  - **Gender equality plan**
  - **Gender dimension**
  - **Gender balance project team**

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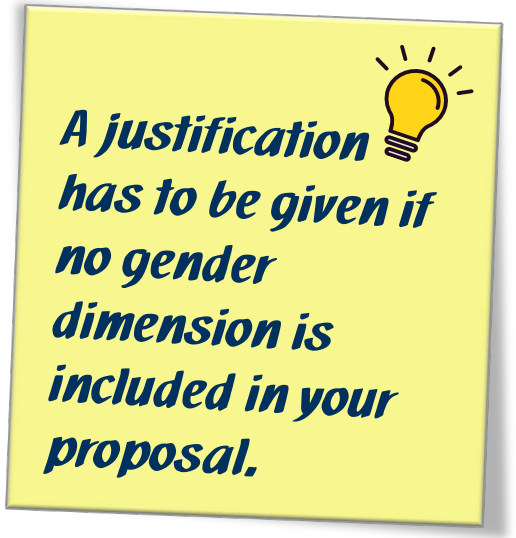
CROSS CUTTING ISSUES

Gender dimension in R&I content



- Part of **Excellence section**
- **Mandatory**, unless explicitly mentioned in topic description
- Sex and gender have to be taken into account in the **whole research & innovation process**

CROSS CUTTING ISSUES

Gender dimension – Why is it important?

- Why do we observe differences between women and men in infection levels and mortality rates in the COVID-19 pandemic?
- Does it make sense to study cardiovascular diseases only on male animals and on men, or osteoporosis only on women?
- Does it make sense to design car safety equipment only on the basis of male body standards?

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CROSS CUTTING ISSUES
Open science practices

- Part of **Excellence section**

- Open sience practices
  - **Mandatory** open science practices (open access to scientifc publication, open access to research data)
  - **Recommended** open science practices (open peer reviews, pre-prints, citizen engagement, preregistrations, ...)

- **Previous experiences** of partners evaluated positively

- **Part A:** preferable open acces publications!

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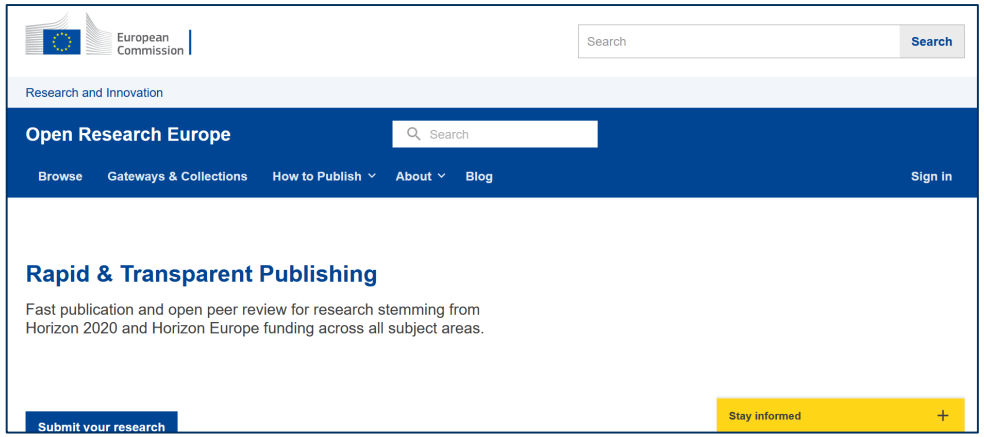
CROSS CUTTING ISSUES
Open access publications



- Mandatory **immediate Open Access** to publications
- Sufficient IPRs has to be retained to comply with open access requirements **(CC BY)**
- Possible tool: **Open Research Europe** publishing platform

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CROSS CUTTING ISSUES
Open access research data

FAIRe data management

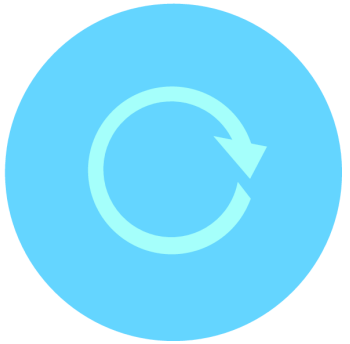
A short data management plan has to be written already at proposal writing stage.

Findable

Accessible

Interoperable

Reusable



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CROSS CUTTING ISSUES
Ethical issues

- **Human participants?**
- **Personnel data?**
- **Human cells?**
- **Artificial intelligence?**
- **Harmfull substances?**
- **…**

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CROSS CUTTING ISSUES

Do not significant harm principle (DNSH)

- Economic activities should **not make significant harm to any of the six environmental objectives** (EU Taxonomy Regulation
- Refer to DNSH principle when presenting **research methodology** and expected **impacts**
- Applications not scored in relation to their compliance with the DNSH principle unless explicitly stated

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CROSS CUTTING ISSUES

Do not significant harm principle (DNSH)

Climate change mitigation

Sustainable use & protection of water & marine resources

Pollution prevention & control

Climate change adaptation

Transition to a circular economy

Protection and restoration of biodiversity & ecosystems

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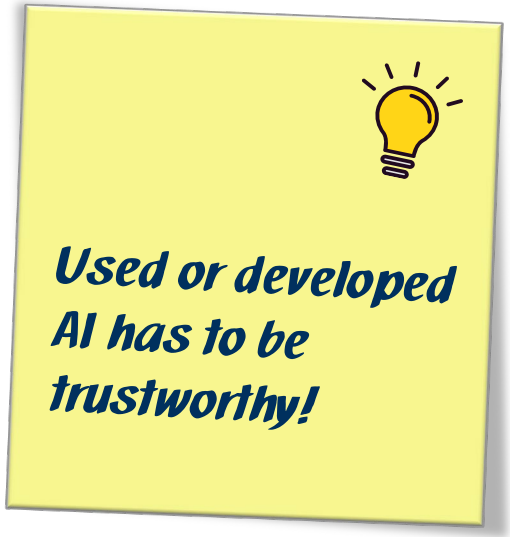
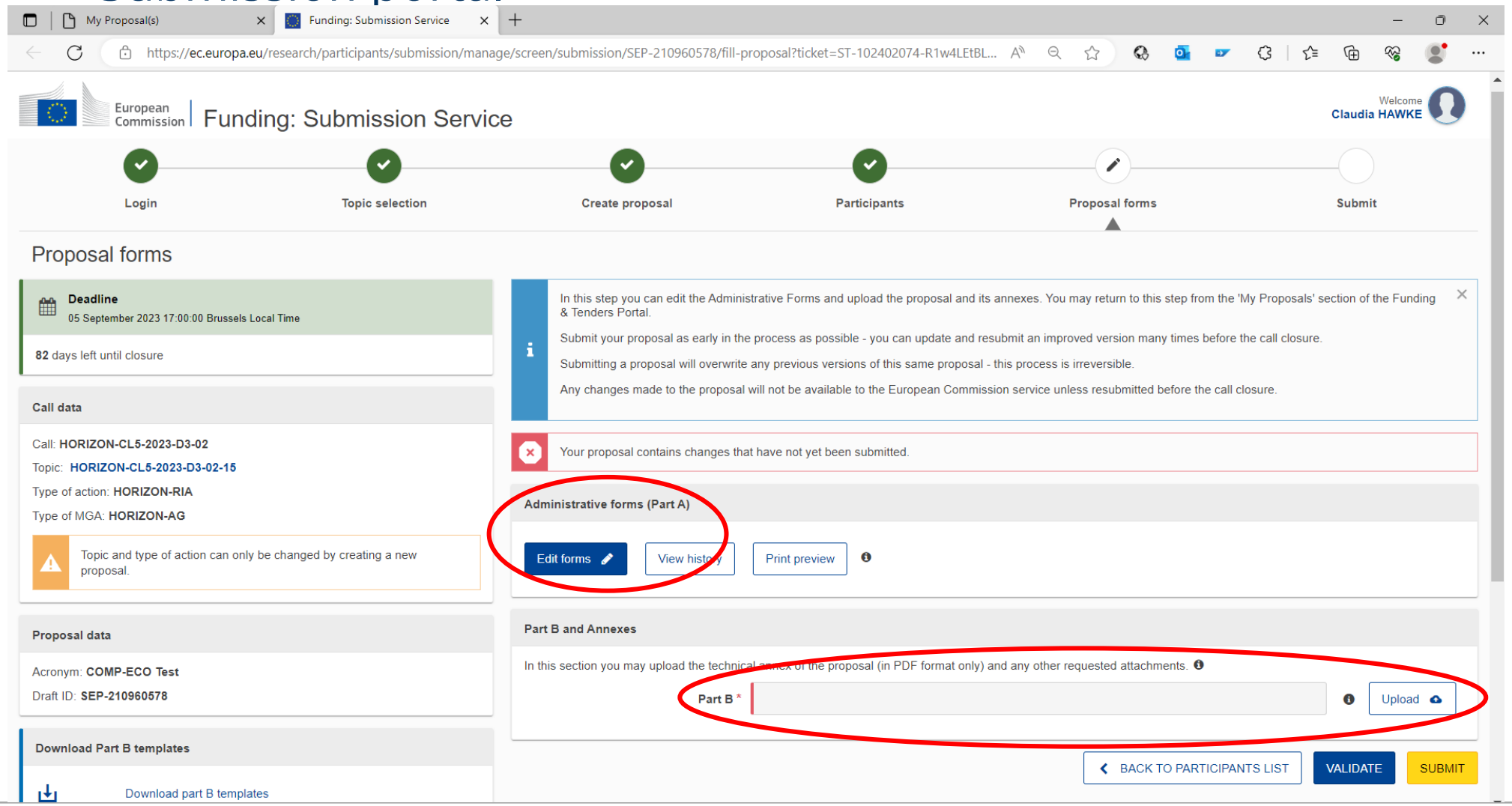
CROSS CUTTING ISSUES
Artificial Intelligence

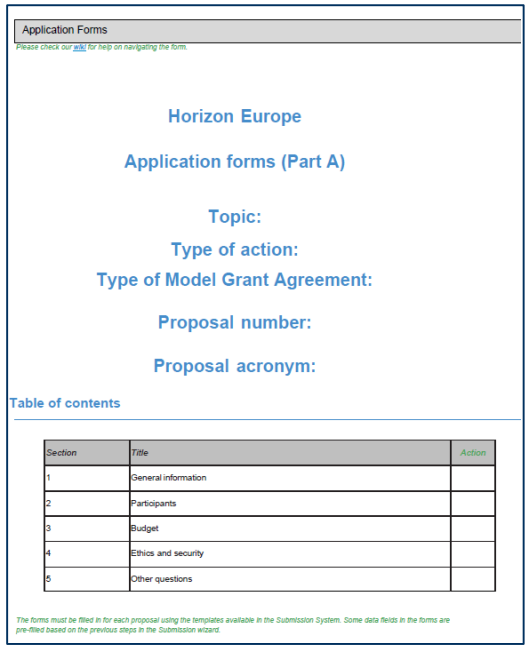


- **Trustworthiness** of all AI-based systems/ techniques **used or developed** required
- Evaluation under the **excellence** criterion
- **Technical robustness**
  - refers to **technical aspects of AI** systems and development
  - including **resilience to attack** and **security,** fullback plan and general safety, accuracy, reliability and reproducibility

TIPS AND TRICKS
Submission portal



TIPS AND TRICKS
Proposal documents


Application Forms

Please check our wiki for help on navigating the form.

Horizon Europe

Application forms (Part A)

Topic:

Type of action:

Type of Model Grant Agreement:

Proposal number:

Proposal acronym:

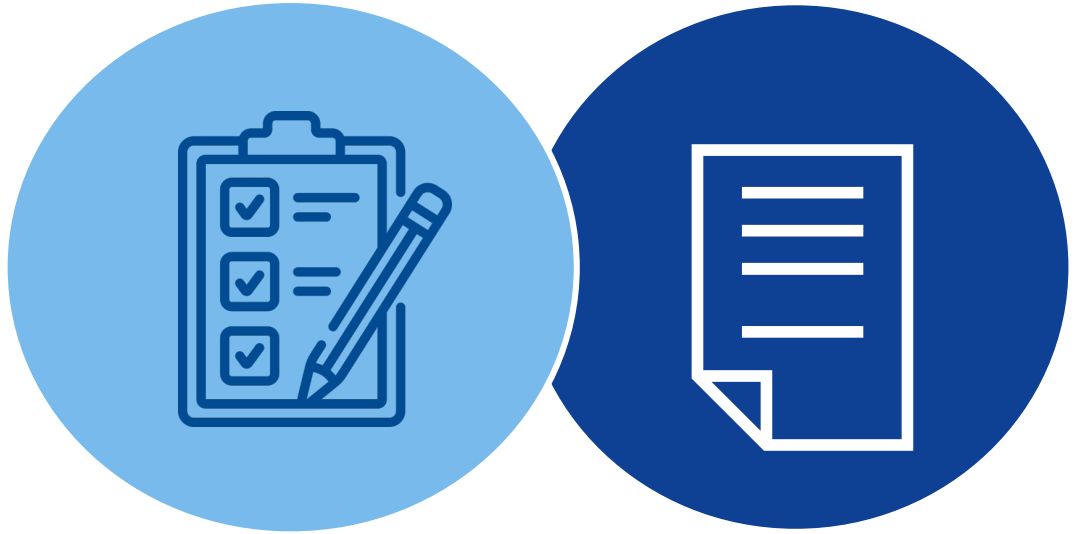
Table of contents

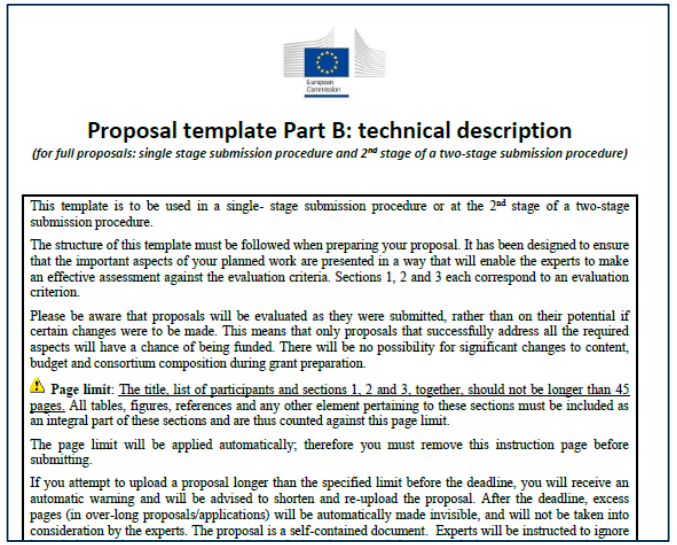
Section	Title	Action
1	General information	
2	Participants	
3	Budget	
4	Ethics and security	
5	Other questions	

The forms must be filled in for each proposal using the templates available in the Submission System. Some data fields in the forms are pre-filled based on the previous steps in the Submission wizard.

ADMINISTRATIVE
Part A

YOUR PROJECT STORY
Part B




Proposal template Part B: technical description

(for full proposals: single stage submission procedure and 2nd stage of a two-stage submission procedure)

This template is to be used in a single- stage submission procedure or at the 2nd stage of a two-stage submission procedure.

The structure of this template must be followed when preparing your proposal. It has been designed to ensure that the important aspects of your planned work are presented in a way that will enable the experts to make an effective assessment against the evaluation criteria. Sections 1, 2 and 3 each correspond to an evaluation criterion.

Please be aware that proposals will be evaluated as they were submitted, rather than on their potential if certain changes were to be made. This means that only proposals that successfully address all the required aspects will have a chance of being funded. There will be no possibility for significant changes to content, budget and consortium composition during grant preparation.

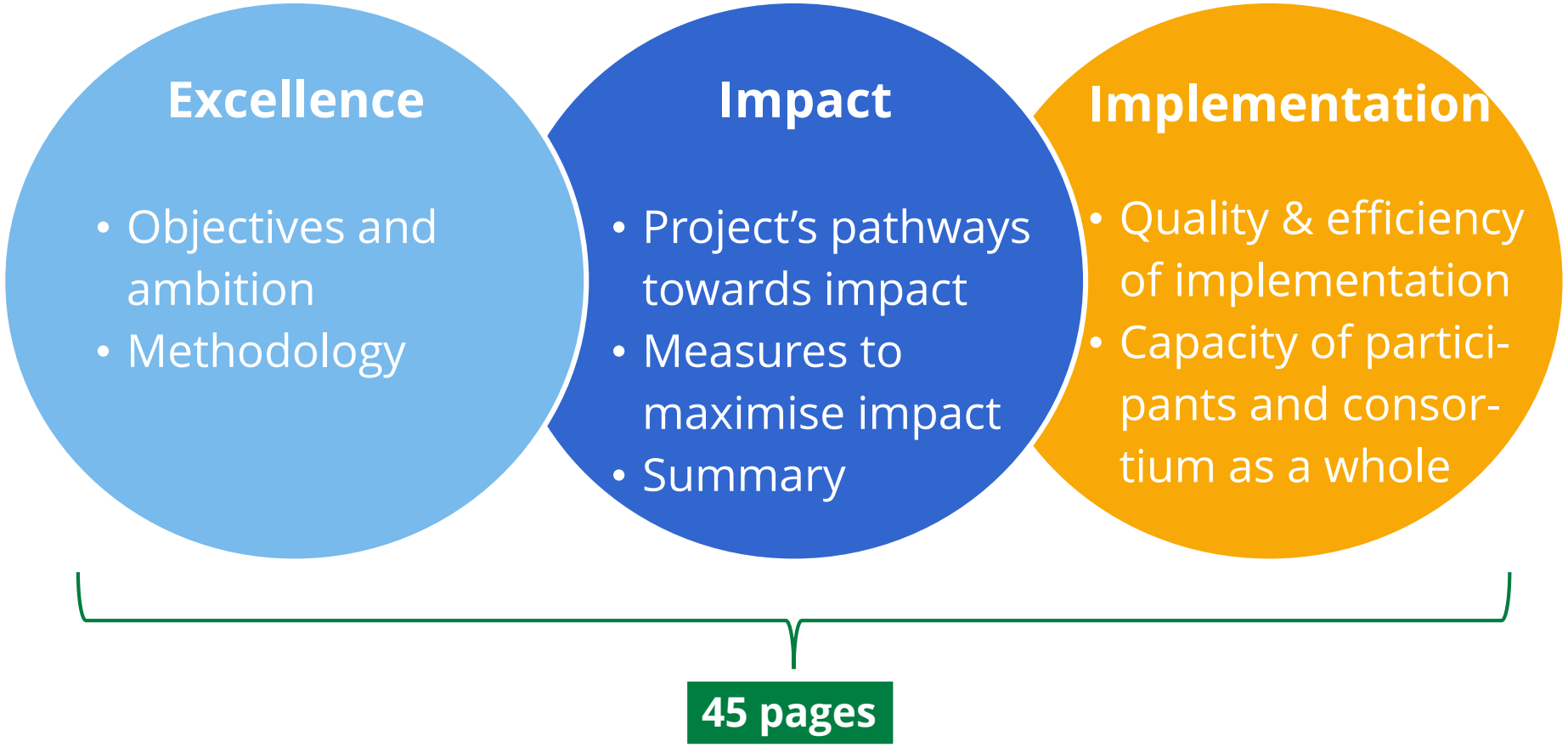
Page limit: The title, list of participants and sections 1, 2 and 3, together, should not be longer than 45 pages. All tables, figures, references and any other element pertaining to these sections must be included as an integral part of these sections and are thus counted against this page limit.

The page limit will be applied automatically; therefore you must remove this instruction page before submitting.

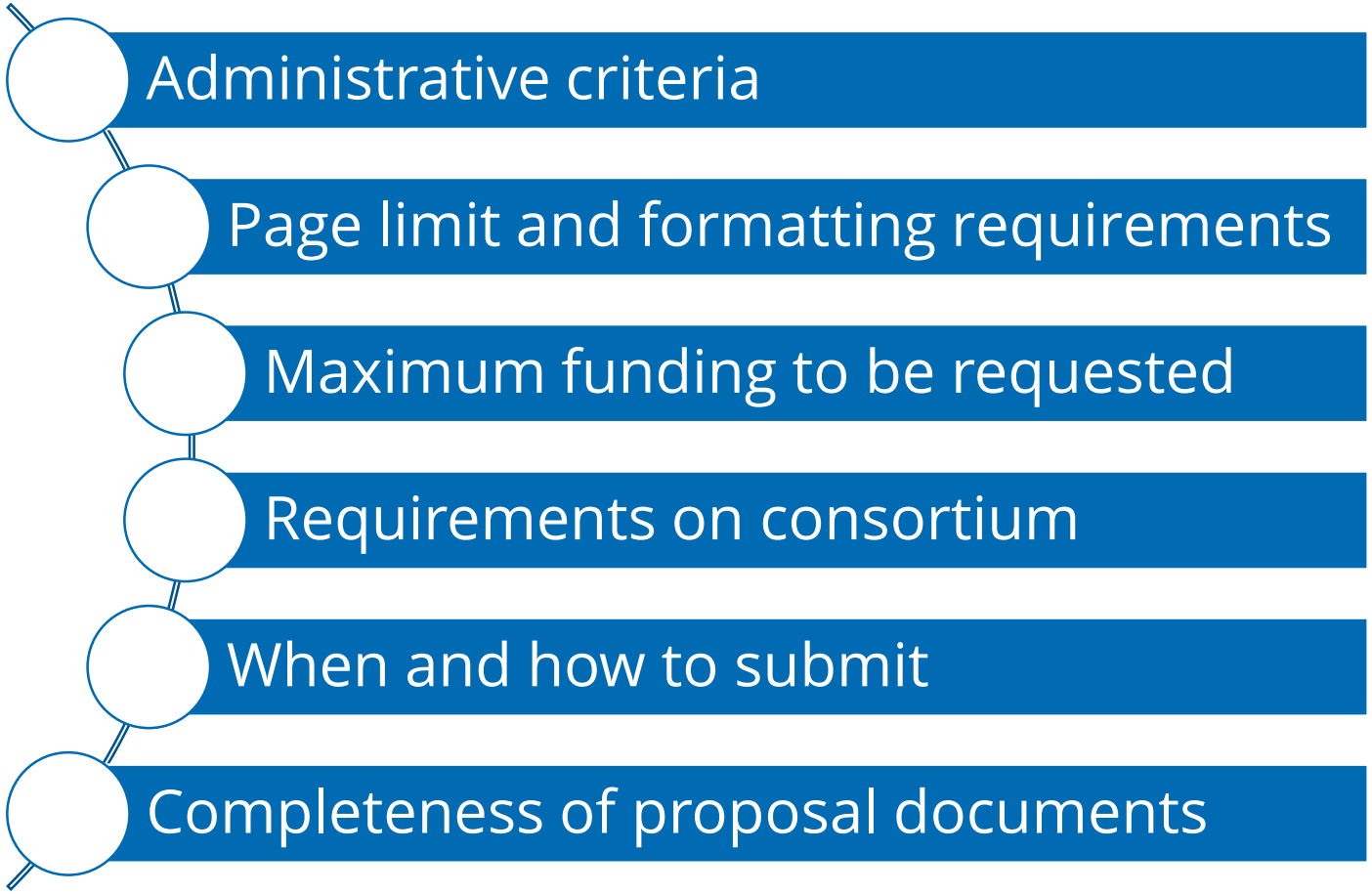
If you attempt to upload a proposal longer than the specified limit before the deadline, you will receive an automatic warning and will be advised to shorten and re-upload the proposal. After the deadline, excess pages (in over-long proposals/applications) will be automatically made invisible, and will not be taken into consideration by the experts. The proposal is a self-contained document. Experts will be instructed to ignore

DRAFT YOUR PROPOSAL

Proposal documents: Project Story – Part B



TIPS AND TRICKS
Formal requirements



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TIPS AND TRICKS

What are the evaluation criteria?

EXCELLENCE

max 5 pt

- Clarity and pertinence of the **project's objectives**, and the extent to which the proposed work is ambitious, and goes **beyond the state-of-the-art**.
- Soundness of the proposed **methodology**, including the underlying concepts, models, assumptions, inter-disciplinary approaches, appropriate consideration of the **gender dimension** in research and innovation content, and the quality of **open science practices** including sharing and management of research outputs and engagement of citizens, civil society and end users where appropriate.

IMPACT

weighted 1.5 for IA

max 5 pt

- Credibility of the **pathways** to achieve the expected **outcomes and impacts** specified in the work programme, and the likely scale and significance of the contributions due to the project.
- Suitability and quality of the **measures to maximize expected outcomes and impacts**, as set out in the dissemination and exploitation plan, including communication activities.

QUALITY & EFFICIENCY OF THE IMPLEMENTATION

max 5 pt

- Quality and effectiveness of the **work plan**, assessment of **risks**, and appropriateness of the **effort** assigned to work packages, and the **resources** overall.
- Capacity and role of each **participant**, and extent to which the **consortium** as a whole brings together the necessary expertise.

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TECHNISCHE UNIVERSITÄT DRESDEN

EPC European Project Center

DRESDEN concept

European Project Center

THANK YOU!