Euresearch Network Office Bern – Switzerland

Proposal Writing Training



Swiss guide to European research and innovation



Status of Switzerland in Horizon Europe





Regular updates from State Secretariat for Education Research Innovation (SERI)

↓ <u>www.horizon-europe.ch</u>



Active role in the project as other Beneficiaries	Leading work packages is possible	Sign the Consortium Agreement (or a separate collaboration agreement)
Tasks & activities clearly described in the proposal	Coordination is not possible	Budget does not count toward the maximum call budget

Financing for and Support to Swiss Participants is Secured



<u>Financial Guarantee</u> for eligible calls with deadline till 2023 <u>Financial Guarantee</u> for eligible calls with deadline till 2024



More details on Euresearch dedicated web page

Specific experts' support on each thematic area

Why Euresearch?

Euresearch in The Regions

BFH	Berner Fachhochschule, Bern
EPFL	École polytechnique fédérale de Lausanne, Lausanne
Network Office	Euresearch Network Office, Bern
FHNW	Fachhochschule Nordwestschweiz, Windisch
HES-SO	Haute école spécialisée de Suisse occidentale, Delémont
HSG	Universität St.Gallen, St.Gallen
HSLU	Hochschule Luzern, Luzern
SUPSI	Scuola universitaria professionale della Svizzera italiana, Manno
UNIBAS	Universität Basel, Basel
UNIBE	Universität Bern, Bern
UNIFR	Universität Freiburg, Freiburg
UNIGE	Université de Genève, Genève
UNIL	Université de Lausanne, Lausanne
UNINE	Université de Neuchâtel, Neuchâtel
USI	Università della Svizzera italiana, Lugano
UZH/ETHZ	Universität Zürich/Eidgenössische Technische Hochschule Zürich
ZHAW	Zürcher Hochschule für Angewandte Wissenschaften, Winterthur



Euresearch Proposal Writing Training 29.06.2023

Euresearch services



Today's Training



There is no easy formula

- Have a clear idea of the structure and technicalities of proposals.
- Have the tools needed to start thinking about/writing your proposal.
- You know whom to contact should you have questions.

In this training we do not

Cover the basics of the Horizon Europe programme
Go into details of blind evaluation*
Choose the topic for you

<u>Blind evaluation</u> is used for the first stage of two-stage calls. Applicants submitting a proposal under the blind evaluation pilot must not disclose their organisation names, acronyms, logos nor names of personnel in Part B of their first-stage application. Please contact your NCP in case of questions.

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Proposal Writing Training



Time	Agenda Item	Speaker
09:15	Welcome & General Information	Andrea Guzman Mesa
09:35	Proposal template: Excellence	Jennifer McClung Micol Nantiat
10:25	Proposal template: Impact	Sasha Hugentobler Micol Nantiat
11:05	Coffee break	
11:25	Proposal template: Implementation	Nicole Wyss Micol Nantiat
12:10	Learn from a successful Applicant to Horizon Europe: TRUSTING project	Phillipp Homan, University Hospital Zurich
12:35	Lunch Break	
13:30	Exercise to Strengthen your Knowledge on the Impact Pathways	Stefan Fischer, Matthew Whellens
15:10	Wrap up & Q&A	Andrea Guzman Mesa, Agnieszka Kosinska
15:25	Closing	
15:30- 16:30	Bilateral Meetings with thematic experts (NCPs)	All National Contact Points



Proposal Writing Training



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Excellence Section

Jennifer McClung NCP for Cluster 2 (SSH) & Micol Nantiat NCP for Legal & Finance

Proposal Writing Training for Collaborative Projects

29 June 2023

3 Golden Rules for Proposal Writing



Application Form – Part B structure





Application Form – Part B structure

1. EXCELLENCE	2. IMPACT	3. IMPLEMENTATION
What What is the project about?	Why Why should we do the project? What evidence do we collect and measure in the project to demonstrate the projects value?	How How to achieve the objectives?



Application Form – Part B structure

1. EXCELLENCE

What What is the project about? How to get and then keep your reviewers' attention?



2) LOGIC

Step 1: Read the Topic Information – online or in work programme



Structure of a Topic

TOPIC IDENTIFIER: TOPIC TITLE

Specific Conditions Expected EU contribution per project Indicative budget Type of Action Eligibility conditions

Expected Outcome Projects/Activities/Deliverables...

Scope

Description of background/context EC's motivation for funding Projects should explore/develop/improve...

Step 2: Read the Proposal Template



1. Excellence

Definitions

Sub-sections

descriptions of required content questions to be answered appx. page limit for each

2. Impact

3. Quality and efficiency of the implementation

Step 2: Read the Evaluation Criteria (in proposal template)



Version 3.0 26 May 2021

1. Excellence

Excellence – aspects to be taken into account.

- 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, interdisciplinary 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

2. Impact

3. Quality and efficiency of the implementation

Award Criteria for Excellence (RIA/IA)

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.

Score = 0 to 5

Step 3: Start Writing

TOPIC IDENTIFIER: TOPIC TITLE

Specific Conditions Expected EU contribution per project Indicative budget Type of Action Eligibility conditions

Expected Outcome

Projects/Activities/Deliverables...

Scope Description of background Projects should explore/develop/improve...



Excellence Section: Content



Sub-sections in the Excellence Section





Objectives and Ambition e.g. 4 pages



Methodology e.g. 15 pages

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Sub-sections in the Excellence Section





Objectives and Ambition e.g. 4 pages

- Objectives (relevant, measurable and verifiable, and achievable)
- Beyond state-of-the-art
- R&I maturity (TRL levels)

Tip: **Highlight** the main objectives of your proposal in a clear way so that it's easy to find for evaluators THEN – structure your project (sections, work packages, etc) around your objectives



Methodology e.g. 15 pages

27

Objectives Need to Be SMART



Specific

Measurable

Achievable

Relevant/Realistic

Time-bound

State of the Art – Dazzle Them!

 Describe how your project goes beyond the state-of-the-art, and the extent the proposed work is ambitious. Indicate any exceptional ground-breaking R&I, novel concepts and approaches, new products, services or business and organisational models. Where relevant, illustrate the advance by referring to products and services already available on the market. Refer to any patent or publication search carried out.

Examine existing literature

Screen existing project landscape

e.g. <u>cordis</u>

Search in patent databases

e.g. European patent database

✓ Be specific (e.g., patent application number, publication)

 Blind evaluations – all this must be done without reference to your own name or your institution's

Sub-sections in the Excellence Section



Objectives and Ambition e.g. 4 pages

Tip: Structure – clear, logical Detail – enough to convince reviewers

Tip: Include links and synergies to other EU programmes, but always highlight the added value of your project compared to those (n.b. Blind evaluation exceptions)

Tip: <u>factsheet on good SSH integration</u> <u>practices</u> – good practices examples



Methodology e.g. 15 pages

- Methodology (concepts, models, specific methods)
- Links to other national and international R&I activities
- Interdisciplinary approach
- Integration of SSH
- Gender dimension
- Open science practices
- Research data management (FAIR principle)

Methodology Section





Open Science



New paradigm from Open Access (OA) to Open Science (OS):

Early and open sharing of research	Extensive researcher collaboration	Involvement of all relevant knowledge actors in the co-creation of R&I agendas and contents
------------------------------------	------------------------------------	--

Evaluated in Excellence (methodology) AND Implementation (quality and efficiency) AND Part A

Open Science

MANDATORY

OA to research outputs through deposition in trusted repositories

e.g. publications, data, software, models, algorithms, and workflows

research output management including data management plan

measures to ensure reproducibility of research outputs

RECOMMENDED

participation in open peer-review

early and open sharing of research

e.g. through preregistration, registered reports, pre-prints, or crowd-sourcing

involving all relevant knowledge actors in the co-creation of R&I agendas and contents

Mandatory OS Practices

As open as possible, as closed as necessary

Findable	Sufficient meta data
Accessible	Ensure data availability
nteroperable	Formats that enable cross-referencing
Reusable	Faciliate re-use via information on data origin/limits

When mandatory practices are not applicable > provide good explanation (evaluated)

Open Science Evaluation

MANDATORY

RECOMMENDED



Open Science Evaluation

PART A

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.		
Type of achievement	Short description	
[Publication]	Key elements of the achievement, including a short qualitative assessment of its impact and (where available) its digital object identifier (DOI) or other type of persistent	
[Dataset]	identifier (PID).	
[Software]	Publications, in particular journal articles, are expected to be open access. Datasets are expected to be EAIR and (as open as possible, as closed as pecessary)	
[Good]	expected to be rain and as open as possible, as closed as necessary.	
[Service]		



 Evaluation based on quality assessment of the applicants for each publication (not on journal impact factor)
Open Science Evaluation

EXCELLENCE



- ✓ How OS practices are implemented as an integral part of the methodology
- ✓ How OS practices are adapted to the nature of the work
- ✓ How OS practices increase the chances of the project delivering on its objectives
- Evaluation of the research output management and related plan for other outcomes than publications

IMPLEMENTATION

✓ Quality and efficiency of the implementation

More information from page 40 of the Horizon Europe Programme Guide

Research Data Management

DATA MANAGEMENT PLAN



- ✓ Regularly updated
- ✓ Project delivery at month 6
- ✓ Evaluated in proposal
- ✓ EC Template <u>available</u>!

DATA DEPOSIT

- ✓ asap according to DMP
- \checkmark In a trusted repository



License: CC BY CC 0 or equivalent CC BY-NC/CC BY-ND for long-text formats



Methodology Section





Do No Significant Harm Principle (DNSH)



Climate change mitigation	Climate change adaptation	Protection and restoration of biodiversity & ecosystems
Sustainable use & protection of water & marine resources	Transition to a circular economy	Pollution prevention & control

To be addressed in **Excellence** AND **Impact** of the project.

Evaluators score DNSH principle only if explicitly stated in the work programme.

Methodology Section





Gender Dimension in Research & Innovation

MANDATORY

Describe how the gender dimension (i.e. sex and/or gender analysis) is taken into account in the project's
research and innovation content [e.g. 1 page]. If you do not consider such a gender dimension to be
relevant in your project, please provide a justification.

SEX	GENDER	INTERSECTIONAL FACTORS
biological characteristics distinguish between male, female, and intersex	socio-cultural norms, identities and relations defining <i>feminine</i> & <i>masculine</i>	e.g. racial or ethnic origin, age, socioeconomic status, sexual orientation, or disability

This section is **not** about the gender balance in the team carrying out the project.

Gender Dimension in Research & Innovation



How gender dimension provides added value in terms of creativity, excellence, and return on investment, both from public and private perspectives.



✓ Consider the production of new knowledge on gender

What is already known in your area for gender dimension (e.g., related scientific literature) and what is missing.

- ✓ Include sex and gender aspects as part of a multidisciplinary approach
- ✓ Consider social categories/factors intersecting with sex and gender

the way a research problem is formulated will determine which intersecting variables are relevant for analysis. Intersectional research should be designed to illuminate the multiplicative effects of different, but interdependent, categories and factors.

Gender Dimension in Research & Innovation



- using gender stereotypes
- sex/gender taken as BINARY categories
- not considering other categories of possible influence (intersectionality)
- assigning differences automatically to sex (taking sex for gender)
- over accentuation of sex and/or gender differences without having proof of their role in the researched topic
- overlooking proofs of minimal or no differences (sex and/or gender)

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Questions?



Swiss guide to European research and innovation

Proposal Writing Training



Impact Section

Sasha Hugentobler NCP for Health & Micol Nantiat NCP for Legal & Finance

Proposal Writing Training for Collaborative Projects

29.06.2023

Application Form – Part B structure



Read the Award Criteria in the Proposal Template



1. Excellence

- 2. Impact (Evaluation Criteria for RIA/IA)
- 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.
 (Video evaluator briefing.)

3. Quality and efficiency of the implementation

The Impact

- Definition: Wider long-term effects on society, the environment, the economy and science, enabled by the outcomes of R&I investments....
- Impact must be measurable, quantifiable.
- What evidence do you collect and measure in the project to demonstrate impact?
- How do you engage with target groups? What role do you give them? How do you measure their engagement?

The Impact

- Proposals must include a narrative explaining how the project's results are expected to contribute towards each of the outcomes (→ topic text), together with the target groups that would benefit if the outcomes were to be achieved.
- Project's contributions to the topic's outcomes must lead, in the longer term, to the wider impacts listed in the work programme (\rightarrow destination).

Topic example: HORIZON-CL4-2021-TWIN-TRANSITION-01-12

Breakthrough technologies supporting technological sovereignty in construction

Type: RIA

Budget/project (M€): 8-10 M€ Number of funded projects: 3

Expected Outcomes:

- Integrate breakthrough technologies derived from other industries
- Demonstrate increased use of resources, reduced waste and CO2 emissions
- Demonstrate safety
- Increase wellbeing on workforce

Scope:

- Develop, test, promote the required technologies, devices, systems
- Demonstrate in at least 4 diverse construction sites

Destination in Work Programme

DESTINATION – CLIMATE NEUTRAL, CIRCULAR AND DIGITISED PRODUCTION

This destination will directly support the following Key Strategic Orientations, as outlined in the Strategic Plan:

- KSO C, 'Making Europe the first digitally led circular, climate neutral and sustainable economy through the transformation of its mobility, energy construction and production systems.'
- KSO A, 'Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations.'
- KSO D, 'Creating a more resilient, inclusive and democratic European society, prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions.'

Proposals for topics under this Destination should set out a credible pathway to the following expected impact of Cluster 4:

 Global leadership in clean and climate-neutral industrial value chains, circular economy and climate-neutral digital systems and infrastructures (networks, data centres), through innovative production and manufacturing processes and their digitisation, new business models, sustainable-by-design advanced materials and technologies enabling the switch to decarbonisation in all major emitting industrial sectors, including green digital technologies.

Accelerating the twin green and digital transitions will be key to building a lasting and prosperous growth, in line with the EU's new growth strategy, the European Green Deal. Europe's ability to lead the twin transitions will require new technologies, with investment and innovation to match. Research and innovation will be fundamental to create the new products, services and business models needed to sustain or enable EU industrial leadership and competitiveness, and to create new markets for climate neutral and circular products. The shift towards a sustainable and inclusive economic model will be further enabled by the

Section 2: Impact (3 sub-chapters)

e

- Project's pathways towards impact (in 1st stage of 2stage submission, the 10pages have to cover only this first section of the Impact)
- 2. Measures to maximise impact Dissemination, exploitation and communication
- 3. Summary



Key Impact Pathways

Logical steps towards the achievement of the expected impacts of the project over time, in particular beyond the duration of a project. A pathway begins with the projects' results, to their dissemination, exploitation and communication, contributing to the expected outcomes in the work programme topic, and ultimately to the scientific, economic and societal impacts of the work programme destination.

The 9 KIPs in 3 areas of impact



Source: Webinar <u>How to prepare a successful proposal in Horizon Europe</u>, EC, 24 March 2021 <u>A successful proposal for Horizon Europe - part II</u>, EC, 21 April, 2021

- 2.1 Project's pathways towards impact [e.g. 4 pages]
 - → Describe the contribution of your project results

(1) outcomes specified in this topic, and

(2) the wider impacts, in the longer term, specified in the respective destinations in the work programme.

- \rightarrow Requirements and potential barriers
- → Proposals must indicate the likely scale and significance of the project's contribution to outcomes and impacts

Scale refers to how widespread the outcomes and impacts are likely to be.

Significance refers to the importance, or value, of those benefits.

Check out nice trainings on this: <u>https://www.ucd.ie/impacttoolkit/</u> <u>https://umcgresearch.org/-/impact-</u> <u>umcg</u>

e

2. Impact

Impact - aspects to be taken into account.

- 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 maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities.

The results of your project should make a contribution to the expected outcomes set out for the work programme topic over the medium term, and to the wider expected impacts set out in the 'destination' over the longer term.

In this section you should show how your project could contribute to the outcomes and impacts described in the work programme, the likely scale and significance of this contribution, and the measures to maximise these impacts.

2.1 Project's pathways towards impact [e.g. 4 pages]

- Provide a narrative explaining how the project's results are expected to make a difference in terms of impact, beyond the immediate scope and duration of the project. The narrative should include the components below, tailored to your project.
 - (a) Describe the unique contribution your project results would make towards (1) the outcomes specified in this topic, and (2) the wider impacts, in the longer term, specified in the respective destinations in the work programme.
 - Be specific, referring to the effects of your project, and not R&I in general in this field.
 - State the target groups that would benefit. Even if target groups are mentioned in general terms in the work programme, you should be specific here, breaking target groups into particular

- Outcomes depend on the defined target groups
- For 2 stage blind evaluation: target groups can be described without stating the names of the entities <u>Webinar on blind evaluatoin</u> and <u>Q&A on blind Evaluation</u>

2.2 Measures to maximise impact - Dissemination, exploitation and communication [e.g. 4 pages, in 2nd stage and full proposals only]

- → A first version of 'plan for the dissemination and exploitation including communication activities (of what you achieve during and after the project-part of the project design.)
- → Target groups (define and give a size)
- → If exploitation is expected primarily in non-associated third countries, justify by explaining how that exploitation is still in the Union's interest.
- → Strategy for the management of intellectual property and exploitation

Address target groups. How do you engage with target groups? How do you measure their engagement?

SSH flagged topics





How evaluators are briefed regarding the SSH flagged topics

2.2 Measures to maximise impact - Dissemination, exploitation and communication [e.g. 4 pages]

- → A first version of 'plan for the dissemination and exploitation including communication activities (of what you achieve during and after the project-part of the project design. Not in 1st stage)
- \rightarrow Target groups (define and give a size)
- → If exploitation is expected primarily in non-associated third countries, justify by explaining how that exploitation is still in the Union's interest.
- → Strategy for the management of intellectual property and exploitation

Plan for the dissemination and exploitation including communication activities. A plan is a strategy, meaning provide a table with info to whom, with which method you provide what and how much of it <u>Video</u> how evaluators are briefed.

- d by project (data, prototypec, ckille, knowledge, publications
- Results: Output generated by project (data, prototypes, skills, knowledge, publications, reports, sofware, prestandards, policy..)

Dissemination: To bring the project results to the attention of targeted communities that can further utilize them

Exploitation: The use of results in further research and innovation activities (eg. Commercialisation for example a product, service, or in standardisation or policy making)

Communication: All activities promoting the actions and its results to various audiences (incl. Media and the public)

.

What to be disseminated	What to be exploited	To whom (define target audience and size)	How is the method	Barriers	By whom	How much/achie vements	How well dissaminated /exploited

What to be disseminated	What to be exploited	To whom (define target audience and size)	How is the method	Barriers	By whom	How much/achie vements	How well dissaminated /exploited
Product 1: Model, prototypes and formulas							
Service1 Training modules can be developed further							

What to be disseminated	What to be exploited	To whom (define target audience and size)	How is the method	Barriers	By whom	How much/achie vements	How well dissaminated /exploited
Product 1: Model, prototypes and formulas	Product 2: Algorithm can be used to build a product						
Service1 Training modules can be developed further	Service 2: The trainings are standardis ed/adapted						

What to be disseminated	What to be exploited	To whom (define target audience and size)	How is the method	Barriers	By whom	How much/achie vements	How well dissaminated /exploited
Product 1: Model, prototypes and formulas	Product 2: Algorithm can be used to build a product	Innovators, technicians, companies					
Service1 Training modules can be developed further	Service 2: The trainings are standard ised/ada pted	Architects Engineers Constructi on worker Scientists					

What to be disseminated	What to be exploited	To whom (define target audience and size)	How is the method	Barriers	By whom	How much/achie vements	How well dissaminated /exploited
Product 1: Model, prototypes and formulas	Product 2: Algorithm can be used to build a product	Innovators, technicians, companies	New mathem atical model				
Service1 Training modules can be develope d further	Service 2: The trainings are standardi sed/adap ted	Architects Engineers Constructi on worker Scientists	MOOCS				

What to be disseminated	What to be exploited	To whom (define target audience and size)	How is the method	Barriers	By whom	How much/achie vements	How well dissaminated /exploited
Product 1: Model, prototypes and formulas	Product 2: Algorithm can be used to build a product	Innovators, technicians, companies	New mathem atical model	Regulations Weight limits			
Service1 Training modules can be develope d further	Service 2: The trainings are standardi sed/adap ted	Architects Engineers Constructi on worker Scientists	MOOCS	Language, Resources, therefore eg. online			

What to be disseminated	What to be exploited	To whom (define target audience and size)	How is the method	Barriers	By whom	How much/achie vements	How well dissaminated /exploited
Product 1: Model, prototypes and formulas	Product 2: Algorithm can be used to build a product	Innovators, technicians, companies	New mathem atical model	Regulations Weight limits	Partner x, mathematic ians		
Service1 Training modules can be develope d further	Service 2: The trainings are standardi sed/adap ted	Architects Engineers Constructi on worker Scientists	MOOCS	Language, Resources, therefore eg. online	Partner y, Engineer		

What to be disseminated	What to be exploited	To whom (define target audience and size)	How is the method	Barriers	By whom	How much/achie vements	How well dissaminated /exploited
Product 1: Model, prototypes and formulas	Product 2: Algorithm can be used to build a product	Innovators, technicians, companies	New mathem atical model	Regulations Weight limits	Partner x, mathematic ians	Number of models/alg orithms	
Service1 Training modules can be develope d further	Service 2: The trainings are standardi sed/adap ted	Architects Engineers Constructi on worker Scientists	MOOCS	Language, Resources, therefore eg. online	Partner y, Engineer	Number of downloads/ clicks	

What to be disseminated	What to be exploited	To whom (define target audience and size)	How is the method	Barriers	By whom	How much/achie vements	How well dissaminated /exploited
Product 1: Model, prototypes and formulas	Product 2: Algorithm can be used to build a product	Innovators, technicians, companies	New mathem atical model	Regulations Weight limits	Partner x, mathematic ians	Number of models/alg orithms	Number of usage (have a goal)
Service1 Training modules can be develope d further	Service 2: The trainings are standardi sed/adap ted	Architects Engineers Constructi on worker Scientists	MOOCS	Language, Resources, therefore eg. online	Partner y, Engineer	Number of downloads/ clicks	Increase in % of work force trained

2.2 Measures to maximise impact - Dissemination, exploitation and communication [e.g. 4 pages]

- → A first version of 'plan for the dissemination and exploitation including communication activities
- \rightarrow Target groups
- → If exploitation is expected primarily in non-associated third countries, justify by explaining how that exploitation is still in the Union's interest.
- \rightarrow Strategy for the management of intellectual property and exploitation

Intellectual Property Rights and IP Management



Consider and negotiate IPRs and IP Mgmt with your partners at the proposal stage!

How shall **results** be made accessible to a broader (scientific) public?

What is the commercialization potential of your project's results?

What are the most suitable forms of **IP protection**?
Why IP Management?



Addressing IP in Your Proposal



comprehensive and feasible strategy for the management of the IP generated in the project

IP strategy **underpinning** the 'credibility' of the pathways

'freedom to operate' for background IP

balance between publication of results and IP protection

additional exploitation obligations in relation to IP (up to 4 years after the end of the project)

clear identification of **who** owns which IP (**Results Ownership List** mandatory at the end of the project)

IP Management Strategy Evaluation

Priority to key impact pathways' results is recommended.

✓ IP strategy **balanced** to the project's outcomes

Too high license costs may lead to a lower project impact > lower score Comprehensive IP strategy that promotes transfer and valorization of R&I for the benefit of society > high score

✓ How the IP management is in the Union's interest

Crucial IP is owned by Associated Partners > justify how this is in the Union's interest



✓ Dedicated budget for IP efforts

IP related costs in line with the IP strategy ambitions > lower score if not addressed properly

✓ Mandatory call requirementes

The call requires mandatory open source sw > low score if not met

Addressing IP in Your Proposal





Weakness or failure to submit your IP strategy results undermines the credibility of the envisaged impact pathways!

2.3 Summary

→ Canvas

Specific needs, expected results, D & E & C measures, target groups, outcomes, impacts

Provide a summary of this section by presenting a canvas with KIP- Key Impact Pathways. The canvas breaks the impact down into its component parts. What is a CANVAS: lets see Provide a summary of this section by presenting in the canvas below the key elements of your project impact pathway and of the measures to maximise its impact.

KEY ELEMENT OF THE IMPACT SECTION

SPECIFIC NEEDS

What are the specific needs that triggered this project?

Example 1

Most airports use process flow-oriented models based on static mathematical values limiting the optimal management of passenger flow and hampering the accurate use of the available resources to the actual demand of passengers.

Example 2

Electronic components need to get smaller and lighter to match the expectations of the end-users. At the same time there is a problem of sourcing of raw materials that has an environmental impact.

EXPECTED RESULTS

What do you expect to generate by the end of the project?

Example 1

Successful large-scale demonstrator: Successful large-scale demonstrator: Trial with 3 airports of an advanced forecasting system for proactive airport passenger flow management.

Algorithmic model:

Novel algorithmic model for proactive airport passenger flow management.

Example 2

Publication of a scientific discovery on transparent electronics.

New product: More sustainable electronic circuits.

Three PhD students trained.

D & E & C MEASURES

What dissemination, exploitation and communication measures will you apply to the results?

Example 1 Exploitation: Patenting the algorithmic model.

Dissemination towards the scientific community and airports: Scientific publication with the results of the large-scale demonstration.

Communication towards citizens: An event in a shopping mall to show how the outcomes of the action are relevant to our everyday lives.

Example 2

Exploitation of the new product: Patenting the new product; Licencing to major electronic companies.

Dissemination towards the scientific community and industry: Participating at conferences; Developing a platform of material compositions for industry; Participation at EC project portfolios to disseminate the results as part of a group and maximise the visibility vis-àvis companies.

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Be as concise and precise as possible

Address the 3 categories of the Key Impact Pathways (societal, economicial, scientific)

Adress impact short term (duration of project) and long term (10years from now)

Explain the impact is on EU level

Incl. Key messages of impact in the abstract

Write an excellent CANVAS

Don't define impact in qualitative terms only

Don't have an insufficient exploitation strategy

Don't omit explaining the means of delivery of end results to users

Don't be vague regarding targeted stakeholders but if in blind evaluation pilot do not name entities Feedback from evaluations Evaluation Summary Reports (ESR)

Contribution to impacts are not quantifiable, not measurable, not convincing.

> Explanation missing how the target groups are reached

Communication, dissemination and exploitation not distinguished enough and explained in sufficient detail.

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Questions?



Swiss guide to European research and innovation

Proposal Writing Training





Implementation Section

Nicole Wyss NCP Health, RI, and Security & Micol Nantiat NCP Legal & Financial Aspects

Application Form – Part B Structure



Evaluation Criteria - Quality and Efficiency of the Implementation

Aspects to be taken into account

 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



Chapter 3. Implementation – An Overview

3.1 Work plan and resources [e.g. 14 pages – incl. tables]

- Overall structure of work plan
- Timing (Gantt Chart)
- Inter-relations (Pert Chart)
- Table 3.1a: List of work packages
- Table 3.1b: Work package description
- Table 3.1c: List of deliverables
- Table 3.1d: List of milestones
- Table 3.1e: Critical risks for implementation
- Table 3.1f: Summary of staff effort
- Table 3.1g: 'Subcontracting costs' items
- Table 3.1h: 'Purchase costs' items
- Table 3.1i: 'Other costs categories' items

3.2 Capacity of participants and consortium as a whole [e.g. 3 pages]

- Consortium description
- Inclusion of SSH, gender aspects of R&I, open science practices
- Access to critical infrastructure
- How partners complement one another
- Contribution of each partner, valid role
- Industrial/commercial involvement
- Other countries and international organisations

Proposal Template (RIA & IA)



What Evaluators Will Check

Assess the proposed work plan, and the effort and resources:

- Work plan of good quality and effective?
- Quantified information included?
- Logic structure (e.g., timing of WP)?
- Resources allocated to WP in line with objectives and deliverables?
- Critical risks identified and proper risk mitigation measures proposed?



Work Plan



Pert Diagram: WPs interrealtions





Interrelations – Pert Diagramme





Table 3.1a: List of work packages

Work package No	Work Package Title	Lead Participant No	Lead Participant Short Name	Person- Months	Start Month	End month
						K C
				Total person- months	010	
				_		

Objectives are the goals of the work performed within the project, in terms of its research and innovation content.

This will be translated into project results.

Table 3.1b:Work package description

For each work package:

Work package number		Lead b	eneficiary						
Work package title									
Participant number									
Short name of participant									
Person months per participant:									
, , , , , , , , , , , , , , , , , , ,									
Start month				End					
				month			2,		
						X			
Objectives									
Description of work (where appropriate, broken down into tasks), lead partner and role of participants									
Deliverables (brief description and m	nonth of del	ivery)							
amplei									

Work Packages in Lump Sum Projects



- Describe in detail the activities covered by each WP
- Work packages with a long duration may be split along the reporting periods (e.g. Management WP or WP on communication, dissemination, exploitation)
- Pre-financing as usual
- Payments upon completion of work packages at the end of reporting periods
- SERI is not using the lump sum scheme grant model





Deliverables



A deliverable is a report that is providing information to ensure effective monitoring of the project

You must include deliverables for:

- Data management plan (DMP) (M6)
- Plan for dissemination and exploitation (M6)
- Other compulsory deliverables?

Tips:

- Meaningful and feasible
- At least one deliverable per organisation
- Evenly distribute them during time

Only include deliverables that you c	consider essential for effective	project monitorin
--------------------------------------	----------------------------------	-------------------

Deliverable (number)	Deliverable name	Work package number	Short name of lead participant	Туре	Dissemination level	Delivery date (in months)
					0	

KEY

Deliverable numbers in order of delivery dates. Please use the numbering convention <WP number>.<number of deliverable within that WP>.

For example, deliverable 4.2 would be the second deliverable from work package 4

_	
Туре:	
Use one of the following codes:	
R: Document, report (excluding the periodic and final rep	orts)
DEM: Demonstrator, pilot, prototype, plan designs	
DEC: Websites, patents filing, press & media actions, videos,	, etc.
DATA: Data sets, microdata, etc. 🛛 🗸 💙	
DMP: Data management plan	
ETHICS: Deliverables related to ethics issues.	
SECURITY: Deliverables related to security issues	
OTHER: Software, technical diagram, algorithms, models, etc.	

Dissemination level:

Use one of the following codes:

PU – Public, fully open, e.g. web (Deliverables flagged as public will be automatically published in CORDIS project's page)

SEN – Sensitive, limited under the conditions of the Grant Agreement

Classified R-UE/EU-R – EU RESTRICTED under the Commission Decision No2015/444

Classified C-UE/EU-C – EU CONFIDENTIAL under the Commission Decision No2015/444

Classified S-UE/EU-S – EU SECRET under the Commission Decision No2015/444

Delivery date Measured in months from the project start date (month 1)





e

Milestones are control points in the project that help to chart the progress

- May be critical decision point
- Can be an achievement of a key deliverable
- Become contractual obligation and will be monitored

Table 3.1d: List of milestones

Milestone number	Milestone name	Related work package(s)	Due date (in month)	Means of verification

KEY

Due date

Measured in months from the project start date (month 1)

Means of verification

Show how you will confirm that the milestone has been attained. Refer to indicators if appropriate. For example: a laboratory prototype that is 'up and running'; software released and validated by a user group; field survey complete and data quality validated.

Tips:

- The achievement of a milestone needs to be measurable and verifiable
- Not every WP needs a MS, only indicate when necessary

Example:

Point when the consortium must decide, which of the several technologies to adopt for further development



A critical risk is a plausible event or issue that could have a high adverse impact on the ability of the project to achieve its objectives.

Answer to possible concerns of the evaluators:

– What harms the project implementation?

Name an appropriate number of risks and show that you are prepared for these risks:

- What kind of measures can reduce risks?
- Is there a contingency plan?

Description of risk (indicate level of	(i) Work package(s)	Proposed risk-mitigation measures		
likelihood, and (ii) severity:	involved	\sim		
Low/Medium/High)				
	X			
	\sim			
efinition critical risk:				
efinition critical risk: critical risk is a plausible event or iss	ue that could have a high adver	rse impact on the ability of the project to		
efinition critical risk: critical risk is a plausible event or iss chieve its objectives.	ue that could have a high adver	rse impact on the ability of the project to		
efinition critical risk: critical risk is a plausible event or iss chieve its objectives.	ue that could have a high adver	rse impact on the ability of the project to		
efinition critical risk: critical risk is a plausible event or iss chieve its objectives. evel of likelihood to occur: Low/med	ue that could have a high adver	rse impact on the ability of the project to		
efinition critical risk: critical risk is a plausible event or iss chieve its objectives. evel of likelihood to occur: Low/med he likelihood is the estimated probab	ue that could have a high adver ium/high ility that the risk will materialis	rse impact on the ability of the project to e even after taking account of the		
efinition critical risk: critical risk is a plausible event or iss chieve its objectives. evel of likelihood to occur: Low/med he likelihood is the estimated probat hitigating measures put in place.	ue that could have a high adver ium/high ility that the risk will materialis	rse impact on the ability of the project to e even after taking account of the		
efinition critical risk: critical risk is a plausible event or iss chieve its objectives. evel of likelihood to occur: Low/med he likelihood is the estimated probat hitigating measures put in place.	ue that could have a high adver ium/high ility that the risk will materialis	rse impact on the ability of the project to e even after taking account of the		
efinition critical risk: critical risk is a plausible event or iss chieve its objectives. evel of likelihood to occur: Low/med he likelihood is the estimated probat nitigating measures put in place. evel of severity: Low/medium/high	ue that could have a high adver ium/high ility that the risk will materialis	rse impact on the ability of the project to e even after taking account of the		

Tips:

- Avoid fake risks of low likelihood and low severity
- Pick meaningful ones and show that you are prepared

Categories of Critical Risks



Regulatory: Delay in the ethical/regulatory approvals

Scientific: Knowledge may not be available or could not be developed

Technical: Objectives may be beyond state-of-the art technologies

Economic: Solutions may be too expensive to achieve results

Legislation: Approach cannot be used due to existing legislation

Ethical: Solution may infringe ethics rules

Social: Approach not socially acceptable

Practical Exercise

Table 3.1e: Critical risks for implementation #@RSK-MGT-RM@#

Description of risk (indicate level of (i) likelihood, and (ii) severity: Low/Medium/High)	Work package(s) involved	Proposed risk-mitigation measures
	XV	
	X	

Definition critical risk:

A critical risk is a plausible event or issue that could have a high adverse impact on the ability of the project to achieve its objectives.

Level of likelihood to occur: Low/medium/high

The likelihood is the estimated probability that the risk will materialise even after taking account of the mitigating measures put in place.

Level of severity: Low/medium/high

The relative seriousness of the risk and the significance of its effect.

Budget Table (Part A)

Insert here the amount that you intend to request to SERI. Normally, this corresponds to:

- 100% of eligible costs or
- 70% of eligible costs if you are for-profit applying to IA calls.

No.	Name of beneficiary	Country	Role	Personnel costs/€	Subcontracti ngcosts/€	Purchase costs - Travel and substistence/€	Purchase costs - Equipment/€	Purchase costs - Other goods, works and services/€	Internally invoiced goods and services/€ (Unit costs- usual accounting practices)	Indirect costs/€	Total eligible costs	Funding rate	Maximum EU contribution to eligible costs	Requested EU contribution to eligible costs/€	Max grant amount	Income generated by the action	Financial contribution s	Own resources	Total estimated income
1	It University Of Copenhagen	DK	Coordinator							0,00	0,00	100	0,00	0	0,00		I		0,0
2	Test Sme Euresearch	СН	Associated							0,00	0,00	100	0,00	0	0,00				0,0
			TOTAL	0	0	0	0	0	0	0,00	0,00		0,00	0	0,00) 0	0	0,0
																			,

Insert here the amount that you **cannot** request to SERI (or to the EC). Normally, this corresponds to the remaining 30% of eligible costs if you are a for-profit entity applying to IA calls.



Л

Costs Eligibility



- Costs actually incurred for the project
- Costs incurred during the project period
- Costs indicated in the estimated budget
- Identifiable and verifiable
- Compliant with the applicable national laws on taxes
- **Reasonable**, justified and compliant with sound financial management principles
- SERI Financial Guidance for more details



- Not realistic budget estimate
- Not including the requested SERI contribution
- Including costs among the Beneficiaries

Budget Table (Part A) - Lump Sum Projects

N	o. Name of beneficiary	Country	Role	Personnel costs/€	Subcontracti ngcosts/€	Purchase costs - Travel and substistence/€	Purchase costs - Equipment/€	Purchase costs - Other goods, works and services/€	Internally invoiced goods and services/€ (Unit costs- usual accounting practices)	Indirect costs/€	Total eligible costs	Funding rate	Maximum EU contribution to eligible costs	Requested EU contribution to eligible costs/€	Max grant amount	Income generated by the action	Financial contribution s	Own resources	Total estimated income
	It University Of Copenhagen	DK	Coordinator							0,00	0,00	100	0,00	0	0,00				0,00
	2 Test Sme Euresearch	СН	Associated																
			TOTAL	0	0	0	0	0	0	0,00	0,00		0,00	0	0,00	0	0	0	0,00

Costs of the Swiss partner **must** be listed in the proposal (in a table or in one sentence) to be eligible for SERI funding.

Example: Entity ABC (PIC 0123456) will contribute to this project with a financial contribution of XXX'XXX € (YYY'YYY € personnel costs, ZZ'ZZZ € travel costs, AAA'AAA€ indirect costs). The personnel costs will be allocated to WP1 (XPM), WP3 (YPM) and WP5 (2 PM).

Proposal Template (RIA & IA)



What Evaluators Will Check

Assess the quality of participants and the consortium as a whole:

- Expertise in open science practices, and gender aspects?
- Expertise in social sciences and humanities?
- Access to critical infrastructure needed to carry out the project activities?
- Are the participants complementing one another?
- Valid role, adequate resources?
- Industrial/commercial involvement in the project?

What to Consider when Having Swiss Partners

In section 3.2 of the proposal, do not forget

- to mention that there is a financial guarantee for the Swiss Participant \rightarrow financial guarantee letter

 to justify why the expertise from non-EU countries is important for the project success

Confederation suisse	Federal Department of Economic Affairs, Education and Research EAER
Confederazione Svizzera Confederaziun svizra	State Secretariat for Education, Research and Innovation SERI
Swiss Confederation	The State Secretary
Bern, 11 November 2021	
Funding of Swiss Participants in 'Horizon Europe' and other Relate	the EU Framework Programme for Research and Innovation d Programmes and Initiatives in the Calls 2022
To whom this may concern	
This is to state that based on Article participation in European Union activ as well as on Article 10 of the Ordina pation in European Union programm researchers and innovators based ticipation in collaborative projects be provided by the Swiss Governm gramme	Paragraph b of the Federal Decree on the financing of Swiss ities in the field of research and innovation in the years 2021-2027 ince of 20 January 2021 on the measures for Switzerland's partici- nes in the field of research and innovation (FIPBV), funding for in Switzerland (including companies and SMEs) for their par- a a associated partners from a non-associated third state will nent for all 2022 calls of Horizon Europe and the Euratom pro-
8.4	
Funding will be directly paid by the s the Swiss participant, under the conc funding by the European Commission participant cannot request funding by	State Secretariat for Education, Research and Innovation SERI to ditions that (i) the full project application is assessed as eligible for n or by the agency commissioned for this purpose and (ii) the Swiss y the EC.
Funding will be directly paid by the S the Swiss participant, under the conc funding by the European Commission participant cannot request funding by Please contact the <u>EU Framework P</u>	State Secretariat for Education, Research and Innovation SERI to ditions that (i) the full project application is assessed as eligible for n or by the agency commissioned for this purpose and (ii) the Swiss y the EC.
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Third Parties Helping in the Project

AFFILIATED ENTITIES Ex Linked-Third Parties

Requirements:

- legal or capital link with one Beneficiary
- based in a Member State or Associated Country

Role:

- performs work / tasks and retains IP
- budget / costs declared

ASSOCIATED PARTNERS

Ex International Partners

Requirements:

link with one Beneficiary or with the whole Consortium

IN-KIND

CONTRIBUTION

Requirements:

resources provided in-kind are not the core business (e.g. seconded personnel or access to equipments)

SUBCONTRACTORS

Requirements:

- Best-value for money
 principle selection
- No conflict of interest
- SWISS BASED

Role:

- performs work / tasks and retains IP
- budget declared in the proposal only
- costs are not reimbursed

Role:

- does not perform the work
- budget / costs declared in seconded personnel or purchase costs

Role:

- Performs work / tasks but IP on Beneficiary
- Subcontracting among Beneficiaries is not possible

Ethics Issues Table



MANDATORY: identifying any potential ethical issues and handling ethical aspects of the proposal on 9 main topics:

- 1. Human embryo/stems
- 2. Humans
- 3. Human cells/tissues
- 4. Personal data
- 5. Animals

6. Non-EU countries

- 7. Environment, health & safety
- 8. Artificial Intelligence
- 9. Other ethics issues

Use the new <u>Guidance on Ethics</u>

4 - Ethics and Security

Ethics issues table

This table should be completed as an essential part of your proposal. Please go through the table and indicate which elements concern your proposal by answering 'Yes' or 'No'. If you answer 'Yes' to any of the questions,

indicate in the adjacent box at which page in your full proposal further information relating to that ethics issue can be found, and
 provide additional information on that ethics issue in the Ethics Self-Assessment section.

For more information on each of the ethics issues and how to address them, including detailed legal references, see the guidelines '<u>How to</u> <u>Complete your Ethics Self-Assessment'</u>.

1. HUMAN	EMBRYONIC STEM CELLS AND HUMAN EMBRYOS	2	Page
Does this a	activity involve Human Embryonic Stem Cells (hESCs)?	Yes O No	
If YES:	Will they be directly derived from embryos within this project?	O Yes O No	
	Are they previously established cells lines?	O Yes O No	-
	Are the cell lines registered in the European registry for human embryonic stem cell lines?	O Yes O No	
Does this	activity involve the use of human embryos?	O Yes O No	
If YES:	Will the activity lead to their destruction?	O Yes O No	
2. HUMAN	s		Page
Does this a	activity involve human participants?	O Yes O No	
If YES:	Are they volunteers for nonmedical studies (e.g. social or human sciences research)?	O Yes O No	
	Are they healthy volunteers for medical studies?	O Yes O No	
	Are they patients for medical studies?	OYes O No	
	Are they potentially vulnerable individuals or groups?	O Yes O No	

Ethics Issues Table – Personal Data

	NAL DATA	A			Pa
Does this	oes this activity involve processing of personal data?				[
If YES:	Does it inv lifestyle, e philosophi	CYes	C No		
	If YES:	Does it involve processing of genetic, biometric or health data?	OYes	ONo	
	Does it involve profiling, systematic monitoring of individuals, or processing of large scale of special categories of data or intrusive methods of data processing (such as, surveillance, geolocation tracking etc.)?			O No	
Door this a	ctivity involve f	further processing of previously collected personal data (including use of	CYes	C No	
preexisting	data sets or so	ources, merging existing data sets)?		AMONAGE A	
preexisting Is it planned	to export per	ources, merging existing data sets)? sonal data from the EU to non-EU countries?	C Yes	O No	
Is it planned If YES:	to export per	ources, merging existing data sets)? sonal data from the EU to non-EU countries? type of personal data and countries involved:	C Yes	€ No	
Is it planned If YES: Is it planned another not	to export per Specify the to import per	ources, merging existing data sets)? sonal data from the EU to non-EU countries? type of personal data and countries involved:	© Yes	© No	
Is it planned If YES: Is it planned another not If YES:	to export per Specify the to import per Specify the Specify the	ources, merging existing data sets)? sonal data from the EU to non-EU countries? type of personal data and countries involved: sonal data from non-EU countries into the EU or from a non-EU country to type of personal data and countries involved	C Yes	Ĉ No	

Ethics Issues Table – Non-EU Countries

L				
6. NON-EU COUNTRIES				
Will some of	of the activities be carried out in non-EU countries?	OYes ONo		
If YES:	Specify the countries:			
In case non-EU countries are involved, do the activities undertaken in these countries raise O Yes O No potential ethics issues?				
If YES:	Specify the countries:			
Is it planned to use local resources (e.g. animal and/or human tissue samples, genetic material, live animals, human remains, materials of historical value, endangered fauna or flora samples, etc.)?				
Is it planned to import any material (other than data) from non-EU countries into the EU or from O Yes O No a non-EU country to another non-EU country? For data imports, see section 4.				
If YES:	Specify material and countries involved:			
ls it planne exports, se	d to export any material (other than data) from the EU to non-EU countries? For data e section 4.	O Yes O No		
If YES:	Specify material and countries involved:			
Does this activity involves low and/or lower-middle income countries? (if yes, detail the benefit- sharing actions planned in the self-assessment)				
Could the s	situation in the country put the individuals taking part in the activity at risk?	O Yes O No		

Ethics Self-Assessment

ETHICS SELF-ASSESSMENT

If you have entered any issues in the ethics issue table, you must perform an ethics self-assessment in accordance with the guidelines "<u>How to Complete your Ethics Self-Assessment</u>" and complete the table below.

Ethical dimension of the objectives, methodology and likely impact

Explain in detail the identified issues in relation to:

- objectives of the activities (e.g. study of vulnerable populations, etc.)
- methodology (e.g. clinical trials, involvement of children, protection of personal data, etc.)
- the potential impact of the activities (e.g. environmental damage, stigmatisation of particular social groups, political or financial adverse consequences, misuse, etc.)

Compliance with ethical principles and relevant legislations

Describe how the issue(s) identified in the ethics issues table above will be addressed in order to adhere to the ethical principles and what will be done to ensure that the activities are compliant with the EU/national legal and ethical requirements of the country or countries where the tasks are to be carried out. It is reminded that for **activities performed in a non-EU countries**, they should also be allowed in at least one EU Member State.

DESCRIBE the ethics issues in relation to objectives, methodology and impact

Explain **HOW** ethics issues will be addressed in terms of objectives, methodology and impact

Demonstrate **COMPLIANCE** with ethical and legal requirements in non-EU countries

Security Issues Table

Security i Please indica which might relating to tha	SSUES table te, by answering Yes or No to all of the questions in the below table, if the proposed activity will use and alse security concerns. If an answer is Yes, then indicate in the adjacent box at which page in your full pro _l t issue can be found.	/or generate information posal further information	n n	
1. EU class	sified information (EUCI) ²		Page	
Does this a disclosure	activity involve information and/or materials requiring protection against unauthorised (EUCI)?	O Yes O No		
If YES:	Is the activity going to use classified information as background ³ information?	Yes No		-
	Is the activity going to generate EU classified foreground ⁴ information as results?	Yes No		-
Does this a	activity involve non-EU countries?	O Yes O No		
If YES:	Do participants from non-EU countries need to have access to EUCI?	O Yes O No		
	Do the non-EU countries concerned have a security of information agreement with the EU	O Yes O No		Switzerland has an agreement in place
2. MISUSE	×O		Page	
Does this a	activity have the potential for misuse of results?	O Yes O No		
IFVES	Does the activity provide knowledge, materials and technologies that could be channelled into crime and/or terrorism?	O Yes O No		
IT TEO.	Could the activity result in the development of chemical, biological, radiological or nuclear (CBRN) weapons and the means for their delivery?	O Yes O No		Use the new Guidance on Security
3. OTHER	SECURITY ISSUES		Page	
Does this a	activity involve information and/or materials subject to national security restrictions?	O Yes O No		1
Concrete and precise planning

WPs need to be linked to each other

Well-timed tasks and activities with wellbalanced allocation to partners

Complementary partners who synergize well in expertise and tasks

Assess the risks and know how to overcome them

Tell one story only

Don't copy-paste from previous proposals

Don't be hasty when developing your project idea and invest time to find the right partners

Don't forget the details

Don't take partners with no significant role and tasks

Don't plan vague deliverables and milestones

Don't give away any of these points!

The implementation part and the good description of it will help you during the project lifetime.



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Questions?



Swiss guide to European research and innovation

Proposal Writing Training



Proposal Writing Training Exercise on Impact Pathways

Stefan Fischer, NCP Energy, EIE, EIC Accelerator Euresearch Network Office

euresearch

Swiss guide to European research and innovation





The Core of a Proposal



Horizon Europe is an Impact-Driven Instrument:

- Foster transformative research and innovation
- Address societal challenges and promote sustainable development
- Deliver tangible benefits to European citizens and beyond
- Prioritise projects with high potential for societal, economic, and environmental impact
- Empower researchers and innovators to drive positive change
- Accelerate scientific breakthroughs
- Contribute to the well-being and prosperity of Europe



Impact Pathways

What Key Innovations, Besides the Steam Engine, Fueled the Industrial Revolution?



What Key Innovations, Besides the Steam Engine, Fueled the Industrial Revolution?

- 1. Thread cutting lathe for mass production of fastening elements
- 2. Standardisation of threads for screws and bolts







FIGURE 16. MAUDSLAY'S SCREW-CUTTING LATHE About 1800

Thread Cutting Lathe and Standardisation of Threads

Maudslay's thread cutting lathe and the subsequent standardization of threads had a profound impact on the development of multiple industries:

- Textile Industry,
- Printing Industry,
- Agricultural Machinery,
- Railroad Industry,
- Sewing Machines,
- Ship Building,

driving innovation, productivity, and economic growth.



Key Impact Pathways: The 9 KIPs in 3 Areas of Impact



e

Excellence

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

• 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 from to the project.

• Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan,

including communication activities.

Implementation

 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 the extent to which the consortium as a whole brings together the necessary expertise.



Excellence		entation
 Clarity and pertinence of the probjectives, 	Impact	and effectiveness of the work
and the extent to which the pro	 Credibility of the pathways to 	ment of risks,
and goes beyond the state of the	achieve the expected outcomes and	d to work packages,
Soundness of the proposed	nipacts specified in the work	resources overall.
methodology,	programme,	y and role of each participant,
including the underlying concept models, assumptions, inter-disc	and the likely scale and significance	extent to which the consortium ole brings together the
approaches,	of the contributions from to the	ary expertise.
appropriate consideration of the dimension in research and inno	project.	
content,	 Suitability and guality of the measures 	
and the quality of open science practices,	to maximise expected outcomes and	
including sharing and managen	impacts, as set out in the dissemination	
citizens, civil society and engagem	and exploitation plan,	
where appropriate.	including communication activities.	



Excellence	Impleme		ntation	
Clarity and pertinence of the pro objectives,	pact	<u> </u>	nd effectiveness of the work	
and the extent to which the propwork is ambitious,	redibility of the pathways to ach	nieve	ent of risks, opriateness of the effort	
and goes beyond the state of the th	e expected outcomes and impa	acts	to work packages,	
Soundness of the proposed	ecified in the work programme		esources overall.	
methodology,		,	and role of each participant,	
including the underlying concept models, assumptions, inter-disci approaches, th	nd the likely scale and significaties e contributions from to the project	nce of ect.	extent to which the consortium le brings together the y expertise.	
appropriate consideration of the dimension in research and innov content,	uitability and quality of the easures to maximise expecte	ed		
and the quality of open science practices,	utcomes and impacts, as set	out in		
including sharing and manageme research outputs and engageme citizens, civil society and end us	e dissemination and exploita an,	ation		
where appropriate.	cluding communication activ	/ities.		

Glossary of terms from the HE evaluator standard briefing



Pathway to impact	Logical steps towards the achievement of the expected impacts of the project over time, in particular beyond the duration of a project. A pathway begins with the projects' results, to their dissemination, exploitation and communication, contributing to the expected outcomes in the work programme topic, and ultimately to the wider scientific, economic and societal impacts of the work programme destination.
Research output	Results generated by the action to which access can be given in the form of scientific publications, data or other engineered outcomes and processes such as software, algorithms, protocols and electronic notebooks.
Results	What is generated during the project implementation. This may include, for example, know-how, innovative solutions, algorithms, proof of feasibility, new business models, policy recommendations, guidelines, prototypes, demonstrators, databases and datasets, trained researchers, new infrastructures, networks, etc. Most project results (inventions, scientific works, etc.) are 'Intellectual Property', which may, if appropriate, be protected by formal 'Intellectual Property Rights'.

Glossary of terms from the <u>HE evaluator standard briefing</u>

Objectives	The goals of the work performed within the project, in terms of its research and innovation content. This will be translated into the project's results. These may range from tackling specific research questions, demonstrating the feasibility of an innovation, sharing knowledge among stakeholders on specific issues. The nature of the objectives will depend on the type of action, and the scope of the topic.
Outcomes	The expected effects, over the medium term, of projects supported under a given topic. The results of a project should contribute to these outcomes, fostered in particular by the dissemination and exploitation measures. This may include the uptake, diffusion, deployment, and/or use of the project's results by direct target groups. Outcomes generally occur during or shortly after the end of the project.
Impacts	Wider long term effects on society (including the environment), the economy and science, enabled by the outcomes of R&I investments (long term). It refers to the specific contribution of the project to the work programme expected impacts described in the destination. Impacts generally occur some time after the end of the project.

Impact Pathways

Impact Pathway Name	Objective (Solution and results)	Outcome (Topic text)	Impact (Desti- nation)	Communi- cation	Dissemi- nation	Exploi- tation	Partners

Evaluation Criteria

e

Excellence

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

• 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 from to the project.

• Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan,

including communication activities.

Implementation

 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 the extent to which the consortium as a whole brings together the necessary expertise.

Communication, Dissemination, Exploitation

Glossary of Terms from the HE Model Grant Agreement (Version 1.1, 15 April 2022)

Communication	Unless otherwise agreed with the granting authority, the beneficiaries must promote the action and its results by providing targeted information to multiple audiences (including the media and the public), in accordance with Annex 1 and in a strategic, coherent and effective manner.
Dissemination	The public disclosure of the results by appropriate means , other than resulting from protecting or exploiting the results, including by scientific publications in any medium.
Exploitation	The use of results in further research and innovation activities other than those covered by the action concerned, including among other things, commercial exploitation such as developing, creating, manufacturing and marketing a product or process, creating and providing a service, or in standardisation activities.

Define what is Communication, Dissemination and Exploitation for your Project



Communication - Dissemination - Exploitation



Informing about project	Informing about results	Making results available for use	Facilitating further use of results	Making use of results	
Newsletter	Project website	Scientific publication	Innovation management	Spin-off/Start-up	
Press	release	Policy brief/ roadmap Copyright management		Standards	
Project factsheet, brochures	Trai	ning, workshops, demonst	Products		
Social media (blogs, LinkedIn,	Videos, interviews	Sharing results on online repository	Data Management Plan	Services	
)	Articles in magazines	(research data, software, reports)	Patents		
	Exhibitions/		PhD thesis		
	open days/ guided		Further research		
	visits		Open licenses		
Conference presentations			Active stakeholder engagement	Societal activity	
				Policy change	

The Consortium as a Whole

What do these stories have in common?





4 . 4 .

					Implementation
Excellence Impact					
	 Clarity and pertinence of the project's objectives, 		 Credibility of the pathways to the expected outcomes and ir 	•	Quality and effectiveness of the work plan
	and the extent to which the proposed work is ambitious,	-	specified in the work program and the likely scale and signif		assessment of risks.
	and goes beyond the state of the art.		the contributions from to the p		
	 Soundness of the proposed methodology, 	·	 Suitability and quality of the m to maximise expected outcom impacts, as act out in the dise 		effort assigned to work
	including the underlying concepts, models, assumptions, inter-disciplinary	imp and	and exploitation plan,		packages,
	approaches,		including communication activ		and the resources overall.
	appropriate consideration of the gender dimension in research and innovation content,			•	Capacity and role of each participant and the extent to
	and the quality of open science practices,				which the consortium as a
	including sharing and management of research outputs and engagement of citizens, civil society and end users where appropriate.				whole brings together the necessary expertise.

How to describe the perfect consortium in the proposal

Answer the following questions:

- Why is the consortium as a whole more valuable than the sum of the individual partners?
- What are synergy effects that you can exploit with your consortium?
- How did you design/form/develop your consortium?
- Why did you select specific partners?
- What makes your consortium so special?





Why a consortium needs to be planned and "designed"

Designing a consortium for Horizon Europe

- brings together complementary expertise,
- establishes clear roles and responsibilities,
- creates a common vision and strategy,
- and identifies potential risks and challenges.

This is more effective than bringing in random partners without a clear plan.



Storytelling

Storytelling

- Innate human trait shaping our understanding of the world
- Used for communication, education, and entertainment throughout history
- Stories engage, connect, and explain meaning
- Yet for me there was a negative side effect of storytelling ...



The Power of Storytelling in Horizon Europe Proposals

Storytelling in Horizon Europe proposals

- captivates evaluators,
- demonstrates impact,
- enhances comprehension,
- differentiates proposals,
- leaves the reader with a sense of hope, anticipation, and excitement about the possibilities that lie ahead.

A word of warning:

- Storytelling may not suit everyone's style.
- However, consider using storytelling techniques when appropriate.

Write a Compelling Proposal

Key Elements for Storytelling

- 1. Engaging Opening
- 2. Clear Narrative Structure
- 3. Protagonist and Conflict
- 4. Compelling Characters
- 5. Concrete Examples and Case Studies
- 6. Visual Imagery
- 7. Conflict Resolution and Transformation
- 8. Call to Action

Some advice for a compelling proposal

- Hook the reader
- Start with compelling storytelling
- Evoke a sense of urgency
- Address evaluation criteria
- Present clear objectives and impact pathways
- Visualize the future
- Use compelling language and formatting
- Highlight consortium collaboration
- Follow a narrative structure



Create an Engaging Opening

The Executive Summary

- An Executive Summary is not required
- However, consider adding a half page
 Executive Summary with the key
 elements of your proposal





Exercise



Topics for the Exercise

- 1. HORIZON-CL2-2024-DEMOCRACY-01-01: Protest politics and cultures of opposition in democracy
- HORIZON-JU-CBE-2023-IA-06: Selective, sustainable production routes towards bio-based alternatives to fossil-based chemical building blocks
- 3. HORIZON-CL5-2024-D3-01-07: Development of hydropower equipment for improving techno-economic efficiency and equipment resilience in refurbishment situations
- 4. HORIZON-CL4-2024-TWIN-TRANSITION-01-12: Enhanced assessment, intervention and repair of civil engineering infrastructure

Exercise

- Choose one topic and join a group
- Choose at least one expected outcome and

develop a compelling narrative of an Impact Pathway

- Don't forget to quantify (scope, scale, timing) your objectives and outcomes
- Address scientific, economic and societal impact.
- Be creative with your communication and dissemination measures
- Use at least on storytelling element, for example:
 - How we formed the perfect consortium ...
 - How one of the consortium members invented ...
 - How the consortium met by accident ...
- Don't worry if you are missing some elements
- Choose one presenter per group
- You have 5 minutes to tell us your Impact Pathway Story
Template for a Horizon Europe Impact Pathway Story

- 1. Impact Pathway Name
- 2. Objective
- 3. Solution and Results
- 4. Outcome (from the Topic text)
- 5. Impact (from the Destination text)
 - a. Societal Impact
 - b. Economic Impact
 - c. Environmental Impact
- 6. Communication, Dissemination, and Exploitation
 - a. Communication
 - b. Dissemination
 - c. Exploitation
- 7. Partners:
 - a. Academic and Research Partners
 - b. Industry and Innovation Partners
 - c. Policy and Decision-Making Partners

This impact pathway "template" serves as a guide for crafting a compelling narrative of the anticipated impact of a Horizon Europe project.

By articulating

- objective,
- solution and results,
- outcome,
- impact dimensions,
- communication and dissemination strategies,
- exploitation plans,
- and strategic partnerships,

the proposal demonstrates the project's potential to generate transformative impact in society, economy, and the environment.

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Tell us your Impact Pathway Story



Wrap Up



Feedback

- Was this exercise useful?
- How difficult was it?
- What were specific challenges?
- What is your take on storytelling?

Standard Application Form







Horizon Europe Programme Standard Application Form (HE RIA, IA)

Application form (Part A) Project proposal – Technical description (Part B)

> Version 6.0 15 November 2022

2.1 Project's pathways towards impact ("Narrative")

- a. Contributions to Outcomes and Impacts, Target Groups, Types of Impacts/Outcomes, Do-No-Significant-Harm
- b. Scale & Significance
- c. Requirements, Potential Barriers & Mitigations

2.2 Measures to maximize impact - Dissemination, exploitation and communication

2.3 Summary of impact pathway(s) *("Impact Canvas")* and measures to maximize impact

- Specific needs
- Expected results
- D&E&C measures
- Target groups
- Outcomes
- Impacts



The Next Steps

- Develop suitable and compelling ways of presenting your Impact Pathways
- Contact us for advice
- Ask us for an appointment for a proposal review

Contact the specialists on Swiss participation in Horizon Europe!

info@euresearch.ch