Horizon Europe

Ternopil Ivan Puluj National Technical University

Grant Lab TNTU:
Idea to Horizon Europe project proposal

Dr. Yuriy SKORENKYY,
Physics Department
Ternopil Ivan Puluj National Technical University
Ternopil, Ukraine

HE proposal writing camp@TNTU, Oct 23, 2025

TNTU
CPS Lab

Outline:

- Why should we do this?
- What is Horizon Europe – a quick recap.
- How are we expected to do this?
- Do we need other people to do this?
- Where to find other people who do this?
- Let’s try ourselves!

The EU's key funding programme for research and innovation:

- Tackles climate change
- Helps to achieve the UN's Sustainable Development Goals
- Boosts the EU's competitiveness and growth
- Facilitates collaboration and strengthens the impact of research and innovation in developing, supporting and implementing EU policies while tackling global challenges
- Supports the creation and better diffusion of excellent knowledge and technologies
- Creates jobs, fully engages the EU's talent pool, boosts economic growth, promotes industrial competitiveness and optimises investment impact within a strengthened European Research Area.

Credits: https://www.un.org/sustainabledevelopment/sustainable-development-goals/

Horizon Europe

European Commission

HORIZON EUROPE: THE EU RESEARCH & INNOVATION PROGRAMME 2021–27

https://www.undp.org/sustainable-development-goals

Що потрібно для початку?

- Бути спеціалістом в певній галузі

- Знати англійську мову

- Мати іноземних партнерів, знати колег з інших університетів

Віталій Мочарський

Начальник відділу міжнародного співробітництва ТНТУ

EC’s priorities 2019-2024

The European Green Deal

Europe aims to be the first climate-neutral continent by becoming a modern, resource-efficient economy.

A stronger Europe in the world

The EU will strengthen its voice in the world by championing multilateralism and a rules-based global order.

A Europe fit for the digital age

The EU’s digital strategy will empower people with a new generation of technologies.

Promoting our European way of life

Europe must protect the rule of law if it is to stand up for justice and the EU’s core values.

An economy that works for people

The EU must create a more attractive investment environment, and growth that creates quality jobs, especially for young people and small businesses.

A new push for European democracy

We need to give Europeans a bigger say and protect our democracy from external interference such as disinformation and online hate messages.

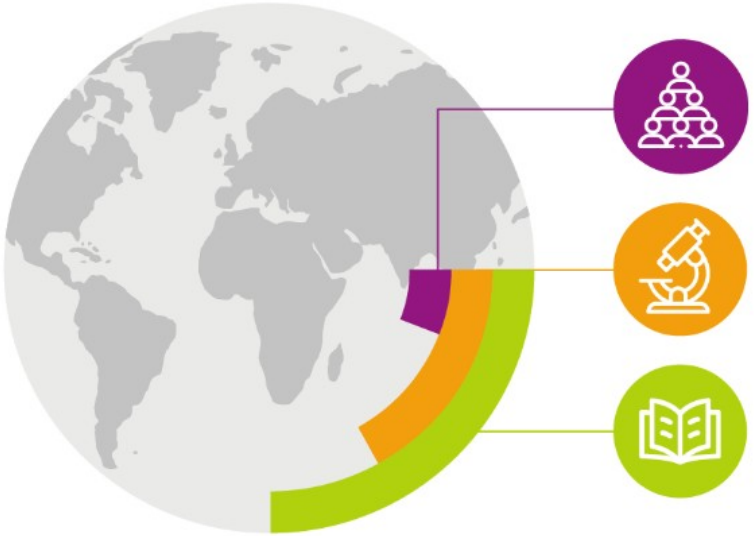
https://commission.europa.eu/strategy-and-policy/priorities-2019-2024_en

EC’s priorities 2024-2029

- **A new plan for Europe’s sustainable prosperity and competitiveness**
- **A new era for European defence and security**
- **Supporting people, strengthening our societies and our social model**
- **Sustaining our quality of life: Food security, water and nature**
- **Protecting our democracy, upholding our values**
- **A global Europe: Leveraging our power and partnerships**
- **Delivering together and preparing our Union for the future**

https://commission.europa.eu/priorities-2024-2029_en

While benefiting from world-class research and strong industries… Our knowledge and skills are our main resources

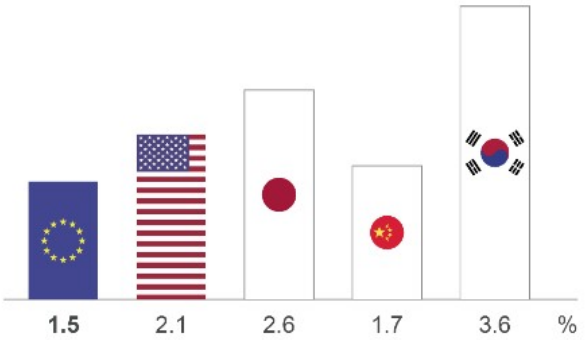


6% of the world's **population**

17% of global **R&D**

25% of all high-quality **scientific publications**

1.5% EU business **R&D investment**



EU figure is for 2019
Figures for USA, Japan, China and South Korea are for 2018. Figures represent R&D as % of GDP

…Europe can do better at transforming this into **leadership in innovation** and **entrepreneurship**

European Commission

Horizon Europe

The ambitious EU research and innovation framework programme (2021-2027)

fuel EU's **scientific and technological excellence** and the strengthen the European Research Area (ERA)

Science & technology

tackle policy priorities, including **green and digital transitions** and Sustainable Development Goals

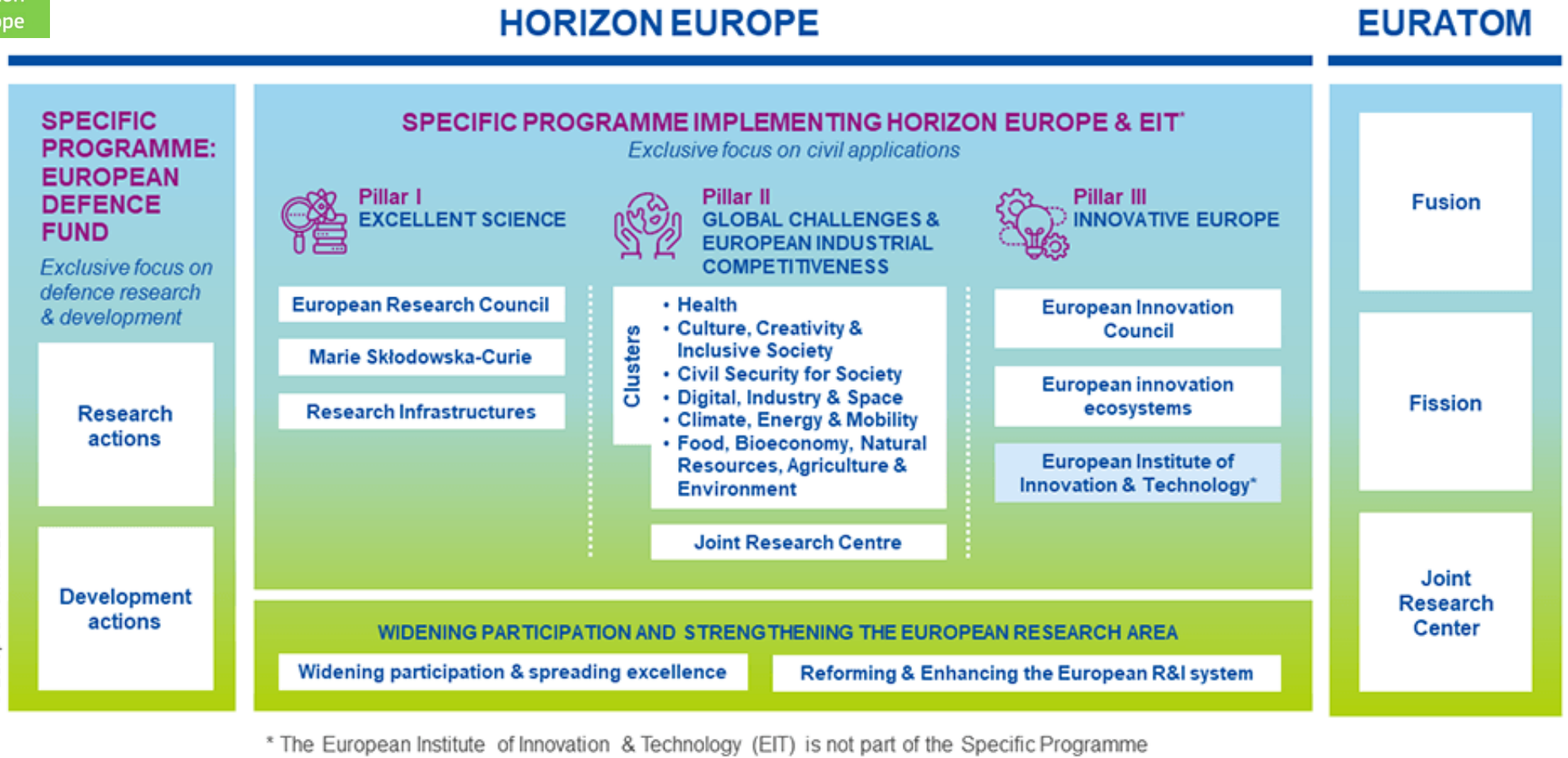
Society

boost Europe's **innovation uptake, competitiveness** and **jobs**

Economy

[HORIZON EUROPE: THE EU RESEARCH & INNOVATION PROGRAMME 2021–27]

Horizon Europe

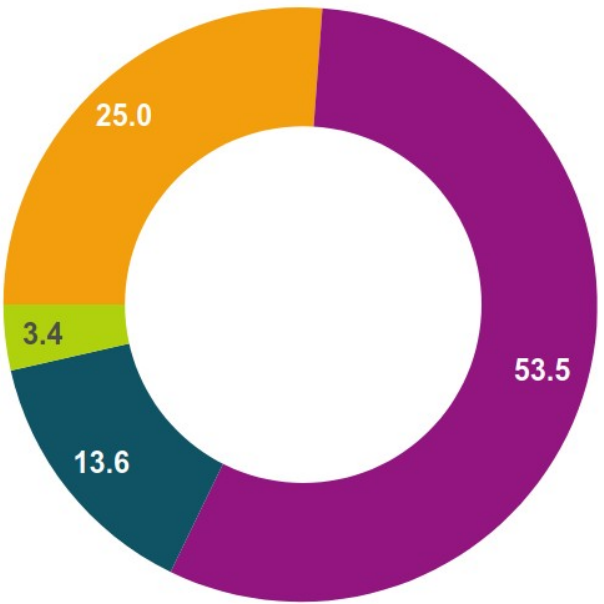


* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/how-horizon-europe-was-developed_en

Horizon Europe Budget: €95.5 billion (2021-2027)

(including €5.4 billion from NGEU – Next Generation Europe – programme of EU for Recovery from COVID-19 crisis)



Political agreement December 2020

€ billion in current prices

- Excellent Science
- Global challenges and European ind. comp.
- Innovative Europe
- Widening Part and ERA

European Commission

[HORIZON EUROPE: THE EU RESEARCH & INNOVATION PROGRAMME 2021–27]

Horizon Europe

Lessons Learned
from Horizon 2020 Interim Evaluation

Key Novelties
in Horizon Europe

Support breakthrough innovation	→	European Innovation Council
Create more impact through mission-orientation and citizens' involvement	→	EU Missions
Rationalise partnerships' landscape	→	New approach to partnerships
Reinforce openness	→	Open science policy
Strengthen international cooperation	→	Extended association possibilities
Encourage participation	→	Spreading Excellence

European Commission

HORIZON EUROPE: THE EU RESEARCH & INNOVATION PROGRAMME 2021–27

Horizon Europe

Pillar I

EXCELLENT SCIENCE:

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

European Research Council

Frontier research by the best researchers and their teams

€16 billion

Marie Skłodowska-Curie Actions

Equipping researchers with new knowledge and skills through mobility and training

€6.6 billion

Research Infrastructures

Integrated and inter-connected world-class research infrastructures

€2.4 billion

European Commission

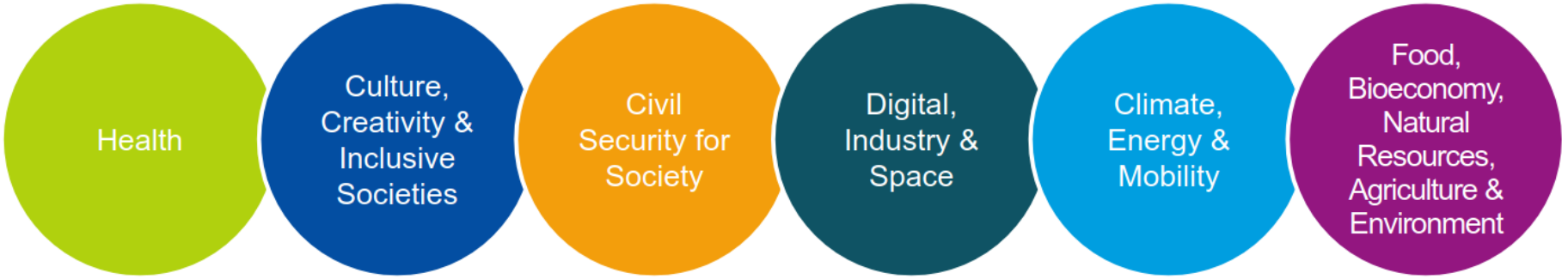
HORIZON EUROPE: THE EU RESEARCH & INNOVATION PROGRAMME 2021–27

Horizon Europe

Pillar II - Clusters

GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS:

boosting **key technologies** and solutions underpinning **EU policies & Sustainable Development Goals** (6 clusters and JRC – non-nuclear direct actions)



€53.5 billion

European Commission

HORIZON EUROPE: THE EU RESEARCH & INNOVATION PROGRAMME 2021–27

Horizon Europe

Pillar III

INNOVATIVE EUROPE:

stimulating **market-creating breakthroughs** and **ecosystems** conducive to innovation

European Innovation Council

Support to innovations with breakthrough and market creating potential

European innovation ecosystems

Connecting with regional and national innovation actors

European Institute of Innovation and Technology (EIT)

Bringing key actors (research, education and business) together around a common goal for nurturing innovation

The budget: **€10.6 billion**, incl. up to **€527 million** for ecosystems (including NGEU – Recovery Fund parts dedicated to EIC).

circa **€3 billion**

European Commission

HORIZON EUROPE: THE EU RESEARCH & INNOVATION PROGRAMME 2021–27

Overview of 49 candidate European Partnerships

HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health

- Innovative Health Initiative
- Global Health Partnership
- Transformation of health systems
- Chemicals risk assessment
- ERA for Health
- Rare diseases*
- One-Health Anti Microbial Resistance*
- Personalised Medicine*
- Pandemic Preparedness*
  Co-funded or co-programmed

CLUSTER 4: Digital, Industry & Space

- Key Digital Technologies
- Smart Networks & Services
- High Performance Computing
- European Metrology (Art. 185)
- AI-Data-Robotics
- Photonics
- Made in Europe
- Clean steel – low-carbon steelmaking
- Processes4Planet
- Global competitive space systems**

CLUSTER 5: Climate, Energy & Mobility

- Clean Hydrogen
- Clean Aviation
- Single European Sky ATM Research 3
- Europe's Rail
- Connected and Automated Mobility (CCAM)
- Batteries
- Zero-emission waterborne transport
- Zero-emission road transport
- Built4People
- Clean Energy Transition
- Driving Urban Transitions

CLUSTER 6: Food, Bioeconomy, Agriculture, …

- Circular Bio-based Europe
- Rescuing Biodiversity to Safeguard Life on Earth
- Climate Neutral, Sustainable & Productive Blue Economy
- Water4All
- Animal Health & Welfare*
- Accelerating Farming Systems Transitions*
- Agriculture of Data*
- Safe & Sustainable Food System*

PILLAR III - Innovative Europe

EIT (KNOWLEDGE & INNOVATION COMMUNITIES)

- InnoEnergy
- Climate
- Digital
- Food
- Health
- Raw Materials
- Manufacturing
- Urban Mobility
- Cultural and Creative Industries

SUPPORT TO INNOVATION ECOSYSTEMS

- Innovative SMEs

CROSS-PILLARS II & III

- European Open Science Cloud

- Institutionalised Partnerships (Art 185/7)
- Institutionalised Partnerships / EIT KICs
- Co-Programmed
- Co-Funded

* *Calls with opening dates in 2023-24*
** *Calls with opening dates not before 2022*

[HORIZON EUROPE: THE EU RESEARCH & INNOVATION PROGRAMME 2021–27]

European Institute of Innovation & Technology

Funded by the European Union

https://eit-hei.eu/projects/smile/

EIT Higher Education Initiative

Calls for Proposals | Get Inspired | Projects | Deep tech | News & Events | About | Contact us

Home » Projects » SMILE

Smart Manufacturing Innovation, Learning-labs, and Entrepreneurship

Hamburg University of Technology (Lead partner)
Germany

AAU Innovation
Denmark

Politecnico di Milano
Italy

Synergeticon GmbH
Germany

GELLIFY srl
Italy

Agency of European Innovations, Lviv
Ukraine

Ternopil Ivan Pului National Technical University
Ukraine

European Commission

What is the Commission proposing?

With a proposed **€175 billion** budget, the new programme will be based on four pillars.

Pillar I

EXCELLENT SCIENCE

€44.079 BILLION

- EUROPEAN RESEARCH COUNCIL
- MARIE SKŁODOWSKA-CURIE ACTIONS
- SCIENCE FOR EU POLICIES

Pillar II

COMPETITIVENESS AND SOCIETY

€75.876 BILLION

COMPETITIVENESS[1]:
1. Clean Transition and Industrial Decarbonisation
2. Health, Biotech, Agriculture and Bioeconomy
3. Digital leadership
4. Resilience and Security, Defence Industry and Space

SOCIETY:
1. Global societal challenges
2. EU Missions
3. New European Bauhaus Facility

Pillar III

INNOVATION

€38.785 BILLION

- EUROPEAN INNOVATION COUNCIL
- INNOVATION ECOSYSTEMS AND THE KNOWLEDGE TRIANGLE

Pillar IV

EUROPEAN RESEARCH AREA

€16.262 BILLION

- ERA POLICIES
- RESEARCH AND TECHNOLOGY INFRASTRUCTURES
- WIDENING PARTICIPATION AND SPREADING EXCELLENCE

https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe_en

Horizon Europe legislation defines three types of impact tracked through **Key Impact Pathways**

1. Creating high-quality new knowledge
2. Strengthening human capital in R&I
3. Fostering diffusion of knowledge and Open Science

Scientific Impact

4. Addressing EU policy priorities & global challenges through R&I
5. Delivering benefits & impact via R&I missions
6. Strengthening the uptake of R&I in society

Societal Impact

7. Generating innovation-based growth
8. Creating more and better jobs
9. Leveraging investments in R&I

Economic Impact

European Commission

[HORIZON EUROPE: THE EU RESEARCH & INNOVATION PROGRAMME 2021–27]

I.I Evaluation criteria in Horizon Europe

The three main criteria used to evaluate the R&I aspects of a project proposal for Horizon Europe are:

- **Excellence (criterion 1)**

  assesses the extent to which the proposed solution is innovative compared to other products already developed or with respect to the problems that still do not have an adequate solution/response.

- **Impact (criterion 2)**

  must demonstrate how the project will enhance innovation, with specific focus on the integration of new knowledge. It must also assess and quantify the competitiveness and growth of enterprises based on the project, in relation to environmental/industrial/social problems (such as level of commitment to Corporate Social Responsibility).

- **Quality & Implementation (criterion 3)**

  this section must address, among other things, how the innovation will be managed. It is of particular relevance, as an effective innovation management allows the consortium to exploit new opportunities both outside and inside the project

This proposal version was submitted by **Yuriy SKORENKYY** on **13/01/2016 14:14:58** Brussels Local Time

European Commission
Research & Innovation - Participant Portal
Proposal Submission Forms

Proposal ID **722962** *Acronym* **TerResNightUA**

List of participants

#	Participant Legal Name
1	TERNOPIL IVAN PULUJ NATIONAL TECHNICAL UNIVERSITY

European Commission

PARTICIPANT PORTAL E-RECEIPT

Digitally signed by sealingservice.grants.ec.europa.eu
Date: 2016.01.13 17:45:11 CET
Reason: Acknowledgment of Receipt

Evaluation Summary Report

Evaluation Result

Total score: 7.50 (Threshold: 10.5)

Form information

SCORING

Scores must be in the range 0-5.

Interpretation of the score:

0 *– The* ***proposal fails to address the criterion*** *or cannot be assessed due to missing or incomplete information.*

1 *–* ***Poor.*** *The criterion is inadequately addressed, or there are serious inherent weaknesses.*

2 *–* ***Fair.*** *The proposal broadly addresses the criterion, but there are significant weaknesses.*

3 *–* ***Good.*** *The proposal addresses the criterion well, but a number of shortcomings are present.*

4 *–* ***Very good.*** *The proposal addresses the criterion very well, but a small number of shortcomings are present.*

5 *–* ***Excellent.*** *The proposal successfully addresses all relevant aspects of the criterion.Any shortcomings are minor.*

Criterion 1 - Excellence

Score: **2.50** (Threshold: 3/5.00 , Weight: -)

Criterion 2 - Impact

Score: **2.50** (Threshold: 3/5.00 , Weight: -)

Criterion 3 - Quality and efficiency of the implementation

Score: **2.50** (Threshold: 3/5.00 , Weight: -)

Що потрібно для початку?

- Бути спеціалістом в певній галузі

- Знати англійську мову

- Мати іноземних партнерів, знати колег з інших університетів

Віталій Мочарський

Начальник відділу міжнародного співробітництва ТНТУ

Proposal ID **101215620**

Acronym **EDGE**

2 - Participants

Evaluation Summary Report

List of participating organisations

#	Participating Organisation Legal Name	Country	Role
1	TECHNISCHE UNIVERSITAT HAMBURG	DE	Coordinator
2	INSTITUT MINES-TELECOM	FR	Partner
3	CREATING INTEGRATED MECHANICALS SYSTEMS AUVERG	FR	Partner
4	Synergeticon GmbH	DE	Partner
5	ROVIMATICA SL	ES	Partner
6	TERNOPIL IVAN PULUJ NATIONAL TECHNICAL UNIVERSITY	UA	Partner
7	Ukrainian Automotive and Mobility Cluster	UA	Partner
8	UNIVERSIDAD DE SEVILLA	ES	Partner

Evaluation Result

Total score: 13.70 (Threshold: 10)

Criterion 1 - Excellence

Score: **4.50** (Threshold: 3 / 5.00 , Weight: -)

Criterion 2 - Impact

Score: **4.50** (Threshold: 3 / 5.00 , Weight: -)

Criterion 3 - Quality and efficiency of the implementation

Score: **4.70** (Threshold: 3 / 5.00 , Weight: -)

HE project proposal terminology:

- Results: outputs achieved during the project lifetime;
- Research outputs: project results that can be made publicly available;
- Objectives: Goals that are to be achieved with the implementation of the project in terms of research and innovation;
- Expected Outcomes: medium-term impact of the projects under a specific theme;
- Impact describes the potential effect/significance or the (long-term) effect/influence of your results on relevant target groups;
- Pathway to Impact: Logical steps to achieve the impact of the project;
- Dissemination: means the publication / announcement of project results;
- Exploitation: measures aim to ensure the use of results;

https://smart-dll.tntu.edu.ua/he-proposal-writing-camp/

STRUCTURE OF THE PROPOSAL

The proposal contains two parts:

- **Part A** of the proposal is **generated by the IT system. It is based on the information entered by the participants through the submission system in the Funding & Tenders Portal**. The participants can update the information in the submission system at any time before final submission.
- **Part B** of the proposal is the narrative part that includes three sections that each correspond to an evaluation criterion. Part B needs to be uploaded as a PDF document following the templates downloaded by the applicants in the submission system for the specific call or topic. The templates for a specific call may slightly differ from the example provided in this document.

The electronic submission system is an online wizard that guides you step-by-step through the preparation of your proposal. The submission process consists of 6 steps:

- Step 1: Logging in the Portal
- Step 2: Select the call, topic and type of action in the Portal
- Step 3: Create a draft proposal: Title, acronym, summary, main organisation and contact details
- Step 4: Manage your parties and contact details: add your partner organisations and contact details.
- Step 5: Edit and complete web forms for proposal part A and upload proposal part B
- Step 6: Submit the proposal

Application forms (Part A)

Topic:

Type of action:

Type of Model Grant Agreement:

Proposal number:

Proposal acronym:

Table of contents

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.

PROJECT PROPOSAL – TECHNICAL DESCRIPTION (PART B)

⚠ *Fill in the title of your proposal below.*

TITLE OF THE PROPOSAL

⚠ *The consortium members are listed in part A of the proposal (application forms). A summary list should also be provided in the table below.*

List of participants *[e.g. 1 page]*

Participant No. *	Participant organisation name	Country
1 (Coordinator)		
2		
3		

* Please use the same participant numbering and name as that used in the administrative proposal forms.

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.

⚠ *The following aspects will be taken into account only to the extent that the proposed work is within the scope of the work programme topic*

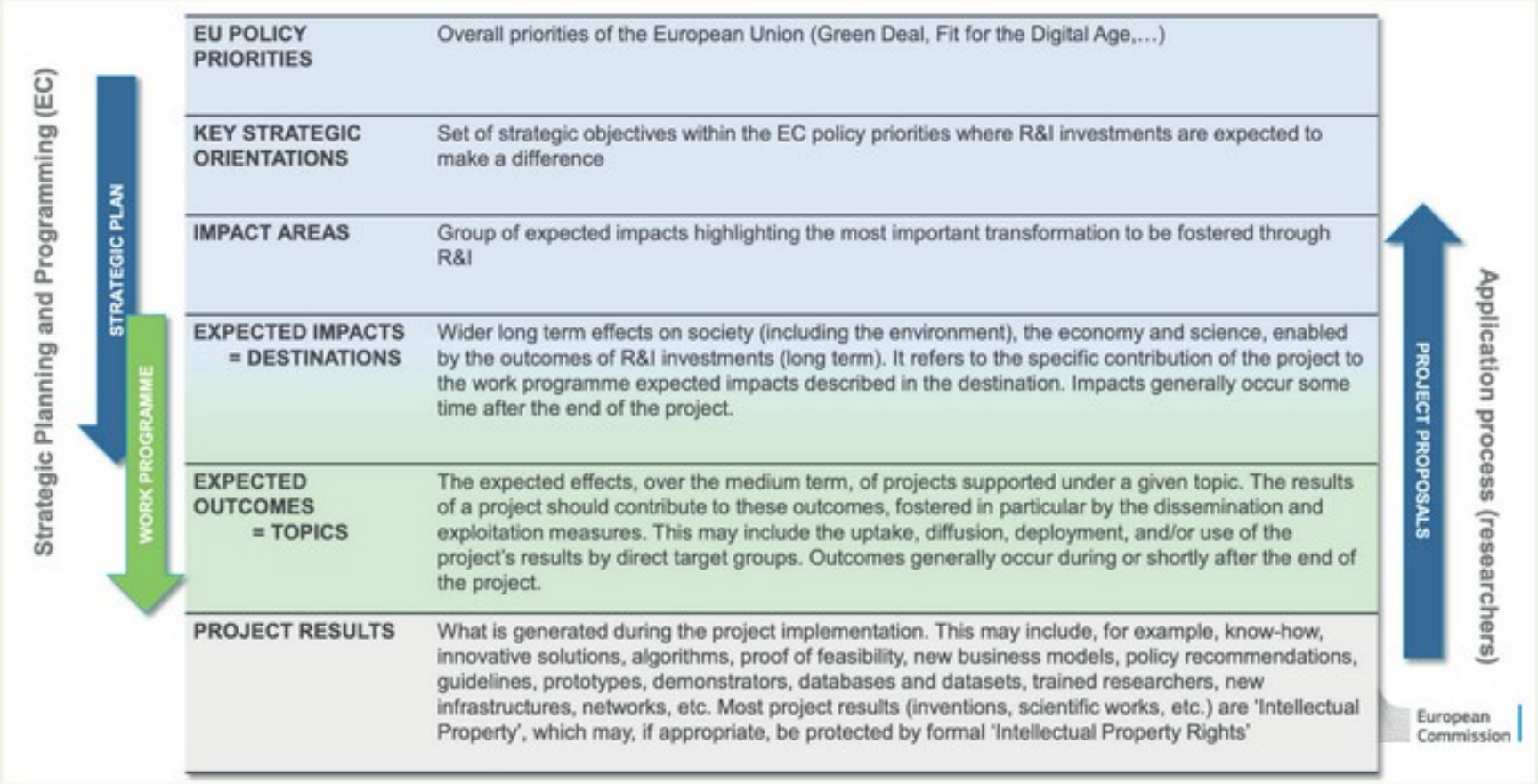
1.1 OBJECTIVES AND AMBITION

1.1 Objectives and ambition *[e.g. 4 pages]*

- Briefly describe the objectives of your proposed work. Why are they pertinent to the work programme topic? Are they measurable and verifiable? Are they realistically achievable?
- 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.
- Describe where the proposed work is positioned in terms of R&I maturity (i.e. where it is situated in the spectrum from 'idea to application', or from 'lab to market'). Where applicable, provide an indication of the Technology Readiness Level, if possible distinguishing the start and by the end of the project.

⚠ *Please bear in mind that advances beyond the state of the art must be interpreted in the light of the positioning of the project. Expectations will not be the same for RIAs at lower TRL, compared with Innovation Actions at high TRLs.*

Link between policy priorities and project results



Source: European Commission

TECHNOLOGY READINESS LEVEL (TRL)

https://www.twi-global.com/image-library/FAQs/Technology-Readiness-Level-TRL-Infographic.jpg

1.2 METHODOLOGY

1.2 Methodology #@CON-MET-CM@# #@COM-PLE-CP@# *[e.g. 14 pages]*

- Describe and explain the overall methodology, including the concepts, models and assumptions that underpin your work. Explain how this will enable you to deliver your project's objectives. Refer to any important challenges you may have identified in the chosen methodology and how you intend to overcome them. *[e.g. 10 pages]*

  ⚠ *This section should be presented as a narrative. The detailed tasks and work packages are described below under 'Implementation'.*

  ⚠ *Where relevant, include how the project methodology complies with the 'do no significant harm' principle as per Article 17 of Regulation (EU) No 2020/852 on the establishment of a framework to facilitate sustainable investment (i.e. the so-called 'EU Taxonomy Regulation'). This means that the methodology is designed in a way it is not significantly harming any of the six environmental objectives of the EU Taxonomy Regulation.*

  ⚠ *If you plan to use, develop and/or deploy artificial intellingence (AI) based systems and/or techniques you must demonstrate their technical robustness. AI-based systems or techniques should be, or be developed to become:*

  - *technically robust, accurate and reproducible, and able to deal with and inform about possible failures, inaccuracies and errors, proportionate to the assessed risk they pose*
  - *socially robust, in that they duly consider the context and environment in which they operate*
  - *reliable and function as intended, minimizing unintentional and unexpected harm, preventing unacceptable harm and safeguarding the physical and mental integrity of humans*

2. IMPACT

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

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 interest groups or segments of society relevant to this project.*
  - *The outcomes and impacts of your project may:*
    - *Scientific, e.g. contributing to specific scientific advances, across and within disciplines, creating new knowledge, reinforcing scientific equipment and instruments, computing systems (i.e. research infrastructures);*
    - *Economic/technological, e.g. bringing new products, services, business processes to the market, increasing efficiency, decreasing costs, increasing profits, contributing to standards' setting, etc.*
    - *Societal , e.g. decreasing CO_2 emissions, decreasing avoidable mortality, improving policies and decision making, raising consumer awareness.*

2.2 MEASURE TO MAXIMISE IMPACT - DISSEMINATION, EXPLOITATION AND COMMUNICATION

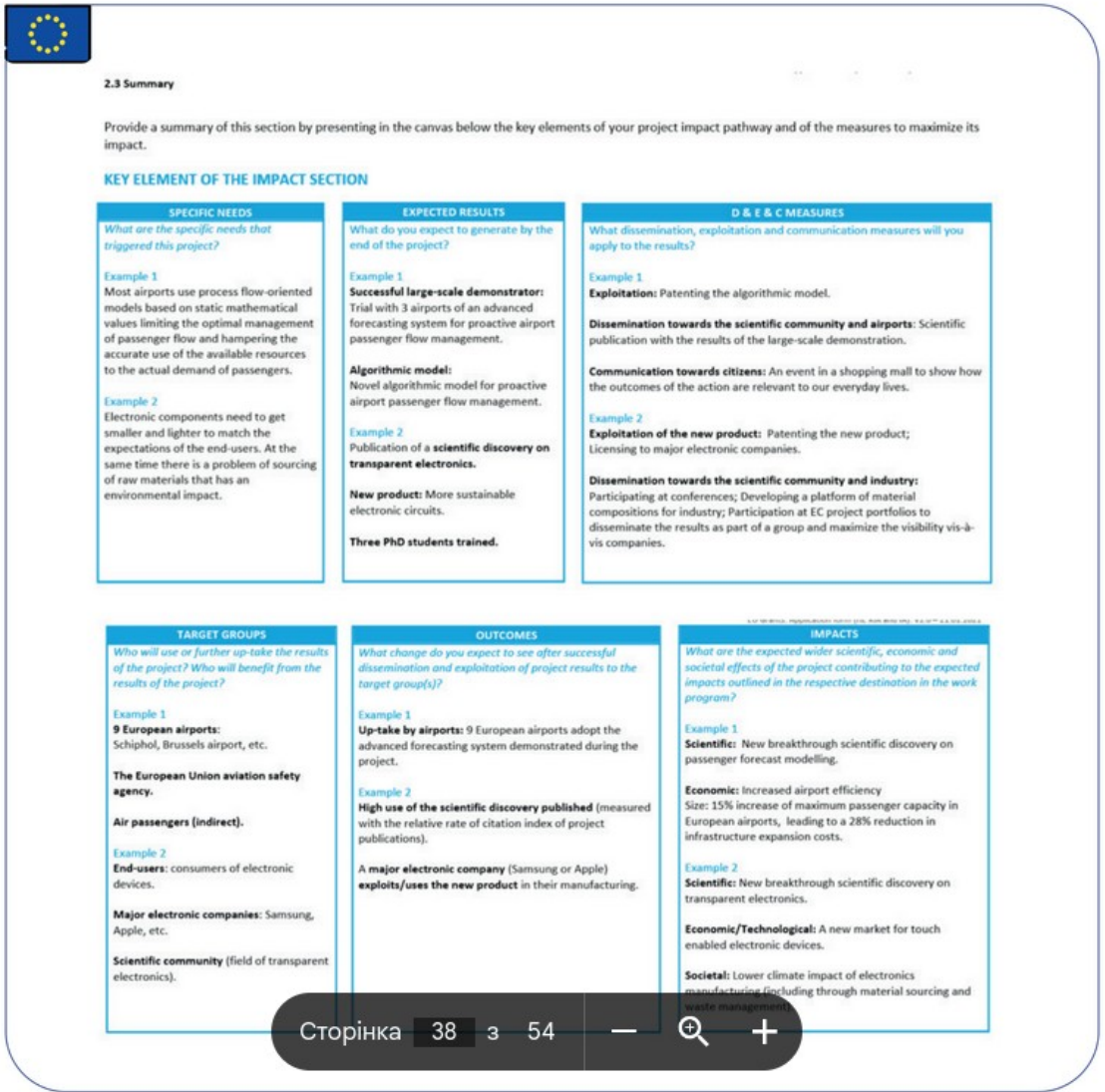
2.2 Measures to maximise impact - Dissemination, exploitation and communication *[e.g. 5 pages, including section 2.3]*

- Describe the planned measures to maximise the impact of your project by providing a first version of your 'plan for the dissemination and exploitation including communication activities'. Describe the dissemination, exploitation and communication measures that are planned, and the target group(s) addressed (e.g. scientific community, end users, financial actors, public at large).

⚠ *Please remember that this plan is an admissibility condition, unless the work programme topic explicitly states otherwise. In case your proposal is selected for funding, a more detailed 'plan for dissemination and exploitation including communication activities' will need to be provided as a mandatory project deliverable within 6 months after signature date. This plan shall be periodically updated in alignment with the project's progress.*

⚠ *Communication[1] measures should promote the project throughout the full lifespan of the project.*

The aim is to inform and reach out to society and show the activities performed, and the use and the benefits the project will have for citizens. Activities must be strategically planned, with clear objectives, start at the outset and continue through the lifetime of the project. The description of the communication activities needs to state the main messages as well as the tools and channels that will be used to reach out to each of the chosen target groups.



2.3 Summary

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 maximize its impact.

KEY ELEMENT OF THE IMPACT SECTION

SPECIFIC NEEDS	EXPECTED RESULTS	D & E & C MEASURES
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.	What do you expect to generate by the end of the project? Example 1 **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.**	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; Licensing 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 maximize the visibility vis-à-vis companies.

TARGET GROUPS	OUTCOMES	IMPACTS
Who will use or further up-take the results of the project? Who will benefit from the results of the project? Example 1 **9 European airports**: Schiphol, Brussels airport, etc. **The European Union aviation safety agency.** **Air passengers (indirect).** Example 2 **End-users**: consumers of electronic devices. **Major electronic companies**: Samsung, Apple, etc. **Scientific community** (field of transparent electronics).	*What change do you expect to see after successful dissemination and exploitation of project results to the target group(s)?* Example 1 **Up-take by airports:** 9 European airports adopt the advanced forecasting system demonstrated during the project. Example 2 **High use of the scientific discovery published** (measured with the relative rate of citation index of project publications). A **major electronic company** (Samsung or Apple) **exploits/uses the new product** in their manufacturing.	*What are the expected wider scientific, economic and societal effects of the project contributing to the expected impacts outlined in the respective destination in the work program?* Example 1 **Scientific:** New breakthrough scientific discovery on passenger forecast modelling. **Economic:** Increased airport efficiency Size: 15% increase of maximum passenger capacity in European airports, leading to a 28% reduction in infrastructure expansion costs. Example 2 **Scientific:** New breakthrough scientific discovery on transparent electronics. **Economic/Technological:** A new market for touch enabled electronic devices. **Societal:** Lower climate impact of electronics manufacturing (including through material sourcing and waste management)

KEY ELEMENT OF THE IMPACT SECTION:

- TARGET GROUPS
- SPECIFIC NEEDS
- EXPECTED RESULTS
- OUTCOMES
- IMPACTS
- D & E & C MEASURES

3. QUALITY AND EFFICIENCY OF THE IMPLEMENTATION

3. Quality and efficiency of the implementation

Quality and efficiency of the implementation – aspects to be taken into account

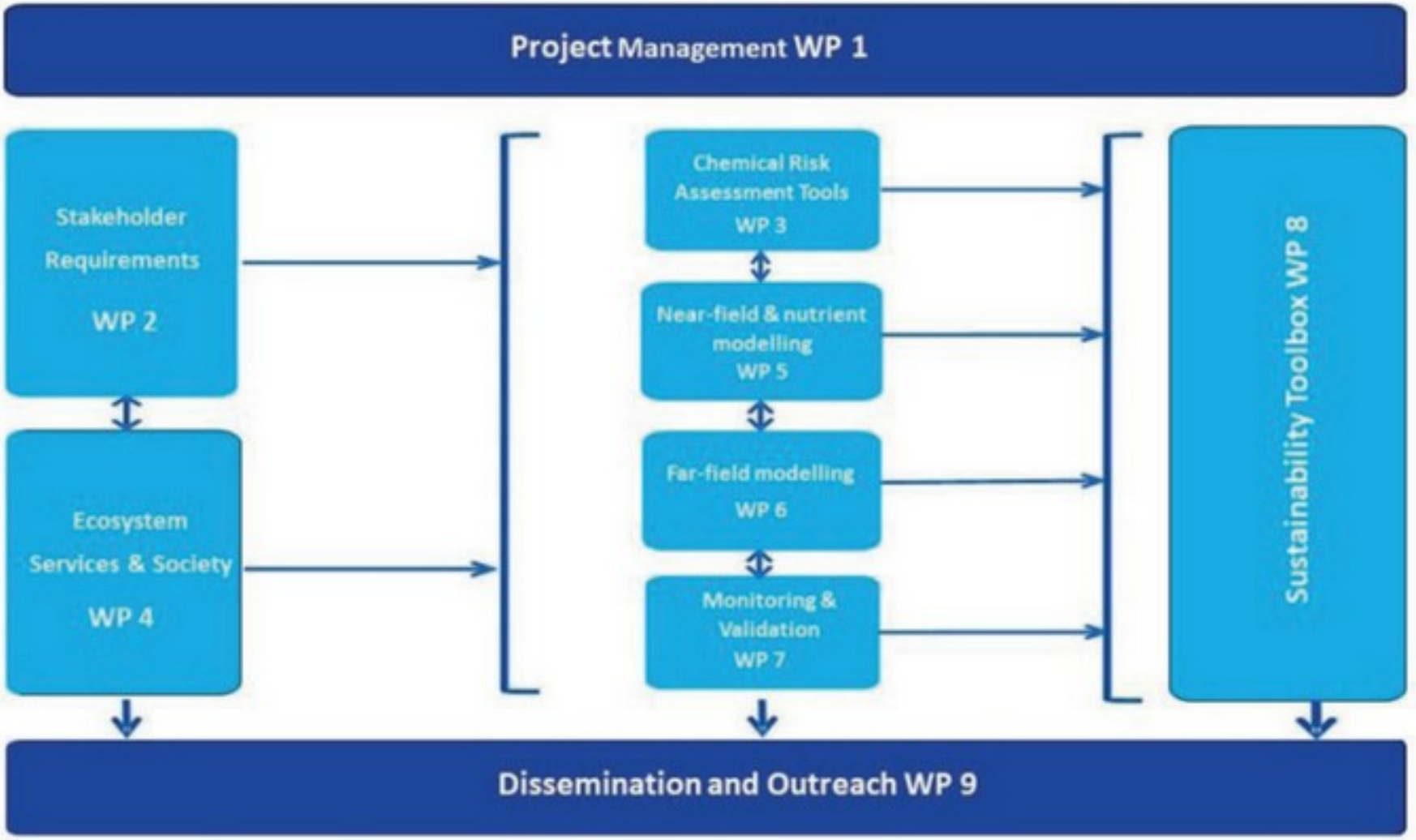
- *Quality and effectiveness of the work plan, assessment of risks, and appropriateness of the effort assigned to work packages, and the resources overall*
- *Capacity and role of each participant, and extent to which the consortium as a whole brings together the necessary expertise.*

3.1 WORK PLAN AND RESOURCES

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

Please provide the following:

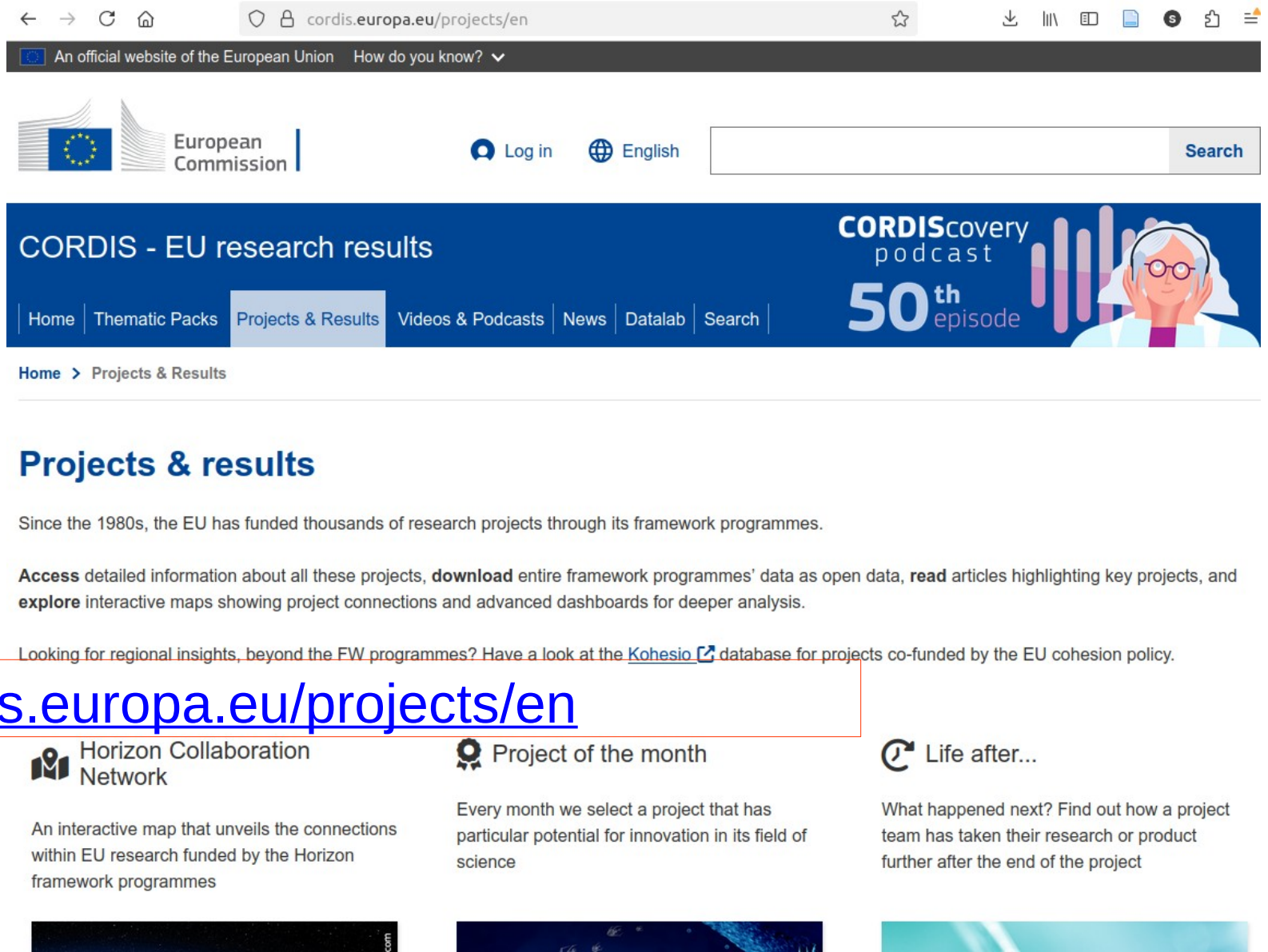
- brief presentation of the overall structure of the work plan;
- timing of the different work packages and their components (Gantt chart or similar);
- graphical presentation of the components showing how they inter-relate (Pert chart or similar).
- detailed work description, i.e.:
  - a list of work packages (table 3.1a);
  - a description of each work package (table 3.1b);
  - a list of deliverables (table 3.1c);


Project Management WP 1
Stakeholder Requirements WP 2
Ecosystem Services & Society WP 4
Chemical Risk Assessment Tools WP 3
Near-field & nutrient modelling WP 5
Far-field modelling WP 6
Monitoring & Validation WP 7
Sustainability Toolbox WP 8
Dissemination and Outreach WP 9

SUM OF ALL BENEFICIARIES (including AFFILIATED ENTITIES) FOR ALL THE WORK PACKAGES

COST CATEGORY	ALL BENEFICIARIES (with affiliated entities) ITEMS (TOTAL)	AVERAGE COST PER ITEM	TOTAL COSTS
COSTS WORK PACKAGE 1: WP1 name			
A. DIRECT PERSONNEL COSTS			
A.1 Employees (or equivalent)			
SENIOR SCIENTISTS (or equivalent in the private sector)	0,0		0,00
JUNIOR SCIENTISTS (or equivalent in the private sector)	0,0		0,00
TECHNICAL PERSONNEL (or equivalent in the private sector)	0,0		0,00
ADMINISTRATIVE PERSONNEL (or equivalent in the private sector)	0,0		0,00
OTHERS	0,0		0,00
A.2 Natural Persons under direct contract	0,0		0,00
A.3 Seconded Persons	0,0		0,00
A.4 SME owners and natural person beneficiaries	0,0		0,00
B. DIRECT SUBCONTRACTING COSTS			
	0,0		0,00
C. DIRECT PURCHASE COSTS			
C.1 Travel and subsistence	0,0		0,00
C.2 Equipment (complete 'Depreciation cost' sheet)			
Equipment	0,0		0,00
Infrastructure	0,0		0,00
Other assets	0,0		0,00
C.3 Other goods, works and services			
Consumables	0,0		0,00
Services for meetings, seminars	0,0		0,00
Services for dissemination activities (including website)	0,0		0,00
Publication fees	0,0		0,00
Other (shipment,insurance, translation, etc.)	0,0		0,00
D. OTHER COST CATEGORIES			

Where to find other people who do this?



https://cordis.europa.eu/projects/en

Matchmakings...

How it helps your tea

Find the right partners

- Targeted partner introductions and virtual matchm

Turn ideas into proposals

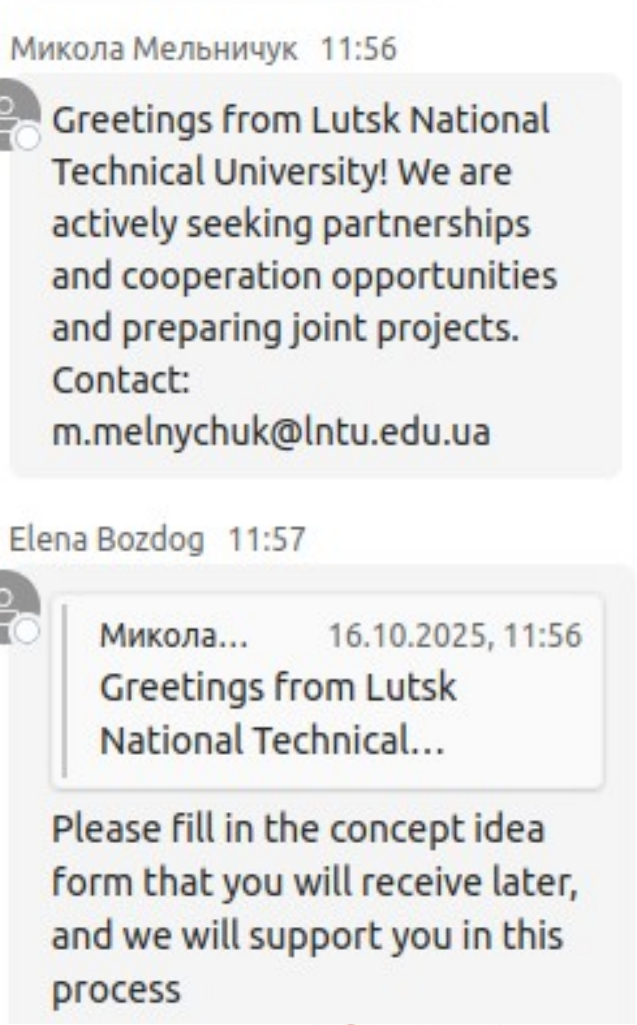
- Short briefings, concept labs, drop-in clinics, and li feedback.

Stay on top of opportunities

- Simple updates on relevant Horizon Europe calls in

Learn what works

- Shared tips and examples from participating institu



HE proposal writing camp

October 23, 2025 in the Creativity Hub of Ivan Puluj Ternopil National Technical University we'll have training session on developing a project proposal for Horizon Europe programme.

The training is aimed at the university staff and will allow them to wear hats of a project coordinator, lead investigator, contact person trying to compose an application. As a first step towards the real Horizon Europe application, all participants are asked to familiarize themselves with basic information.

First of all, it's worth to familiarize oneself with the structure of the Horizon Europe programme (also in Ukrainian https://horizon-europe.org.ua/uk/structure/) The second, look through the current work programmes of the Horizon Europe (if you're a forward-looking person, you'll want to look at draft work programmes for years 2026-2027 as well).
Then you should select the cluster to which the future project belongs (consult https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/horizon-europe-work-programmes_en) and, maybe, the desired call. Pay attention to:

- Destination;
- Type of action;
- Status and deadline for the proposal submission;
- Expected Outcomes and Scope.

Having a general understanding of the goals and features of the program, you should familiarize yourself with the structure of the funding application. Researchers are most likely to choose Research and Innovation Actions (RIA), as it places the greatest emphasis on research and innovation development.
The structure of the Horizon Europe Research and Innovation Actions (RIA) application consists of two main parts: Part A (general information and administrative data) and Part B (detailed technical description of the project). Part B is assessed against three criteria: "Excellence", which includes the objectives, methodology, and concept of the project, and "Impact", which describes how the project will contribute to the achievement of the programme objectives.

Search

Recent Posts

Ukrainian version of the SMILE whitepaper is published online!

Stakeholder Consultation Workshop on Innovation and Entrepreneurship within the Higher Education Ecosystem Confirmation

Mission complete!

Results of the Final Conference of the Project "Smart Manufacturing Innovation, Learning-labs, and Entrepreneurship"

SMILE final conference

Recent Comments

Archives

March 2025

November 2024

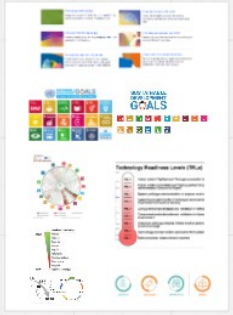
Get Set-Go!

miro.com/app/board/uXjVJ5QdEDo=/

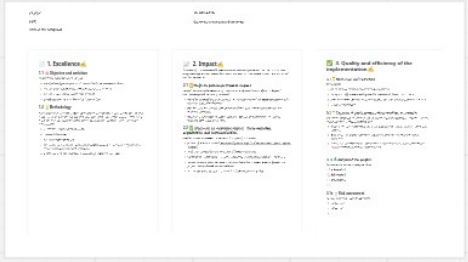
miro GrantLab_proposal writing camp Upgrade

1. Generalities

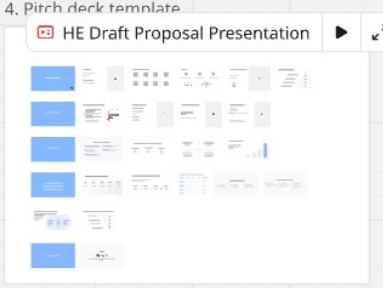
2. Context



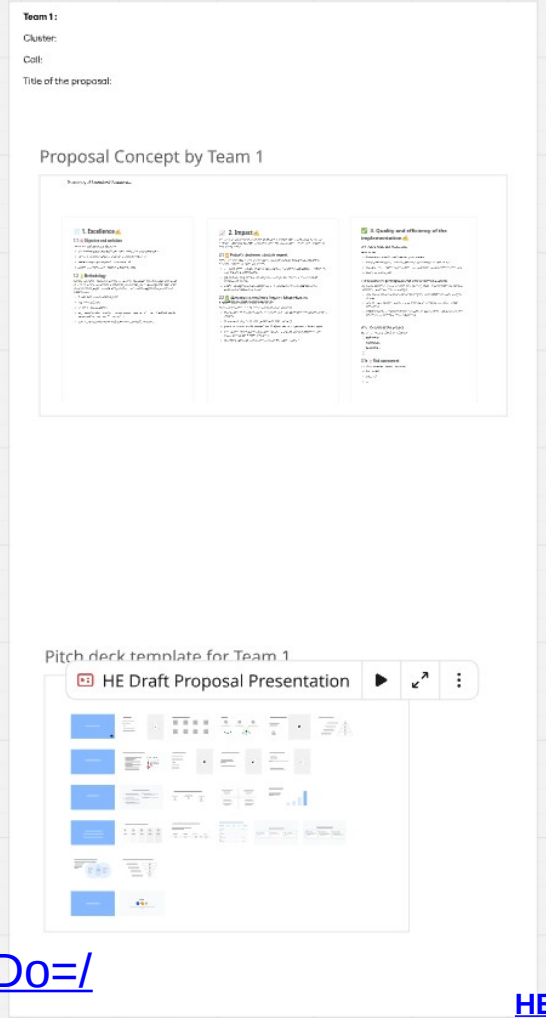
3. Part B Template



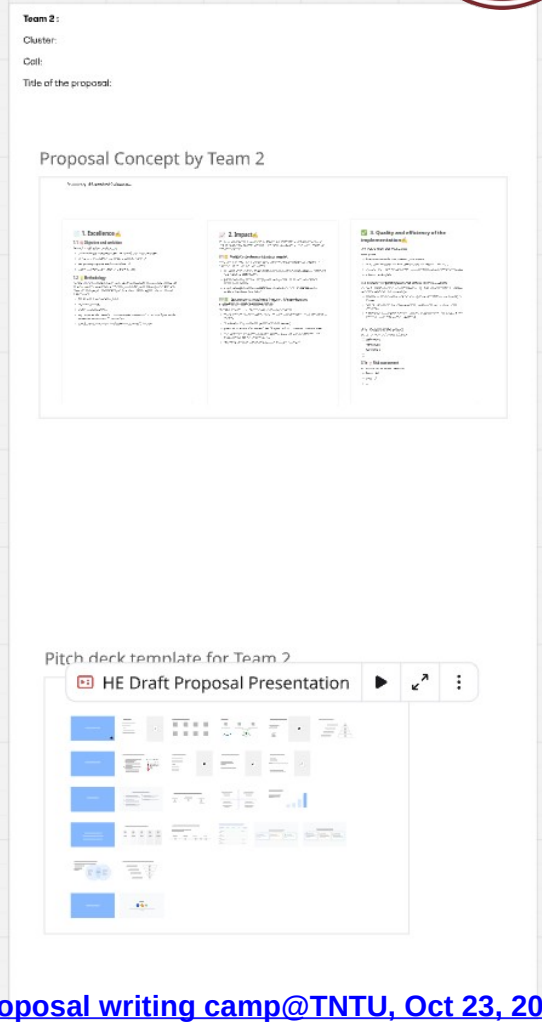
4. Pitch deck template



5. Workspace for Team 1

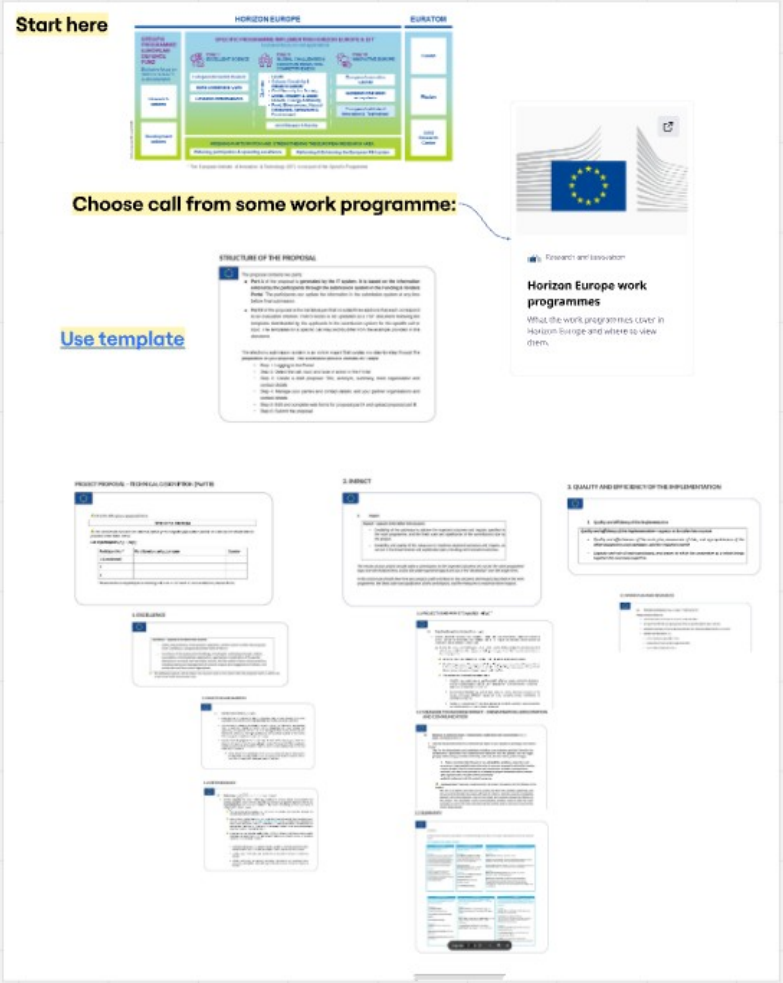


6. Workspace for Team 2

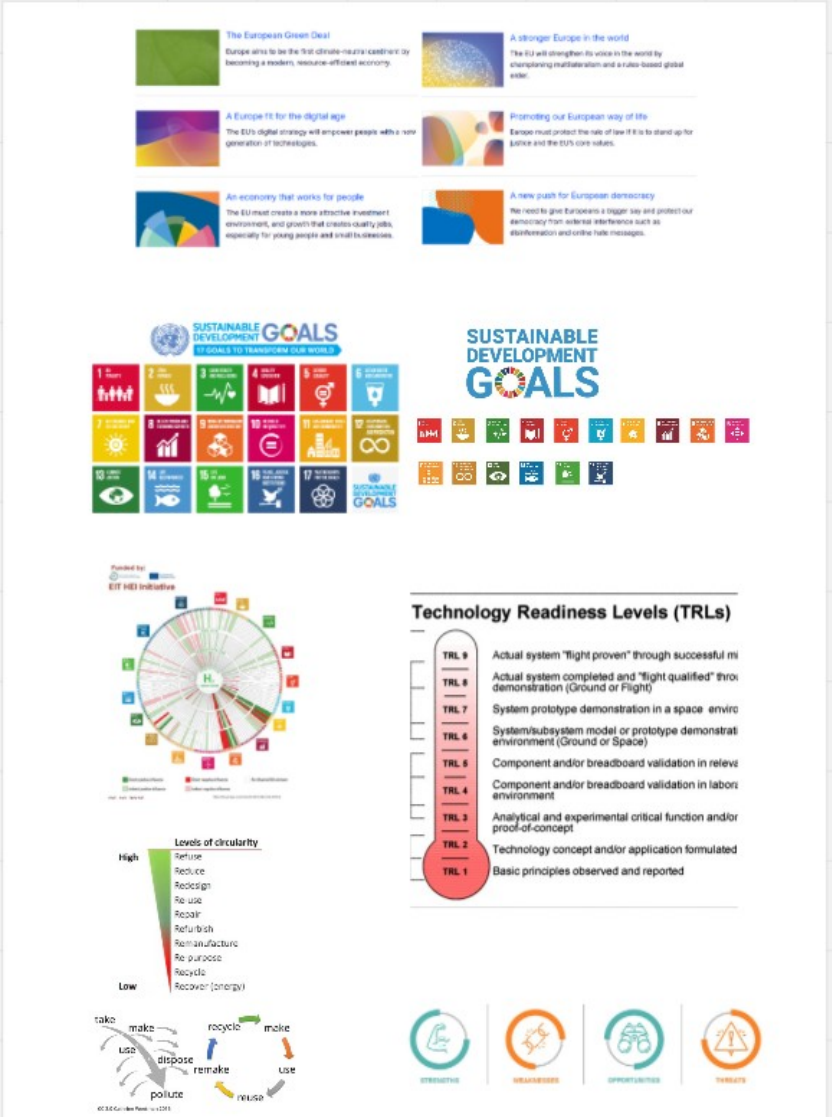


https://miro.com/app/board/uXjVJ5QdEDo=/

1. Generalities



2. Context



https://miro.com/app/board/uXjVJ5QdEDo=/

3. Part B Template

Cluster:

Call:

Title of the proposal:

Deadline date:

Summary of Expected Outcomes:

1. Excellence

1.1 Objective and ambition

1.2 Methodology

2. Impact

2.1 Project's pathways towards impact

2.2 Measures to maximise impact - Dissemination, exploitation and communication

3. Quality and efficiency of the implementation

3.1 Work plan and resources

3.2 Capacity of participants and consortium as a whole

3.1c Output of the project

3.1e Risk assessment

https://miro.com/app/board/uXjVJ5QdEDo=/

5. Workspace for Team 1

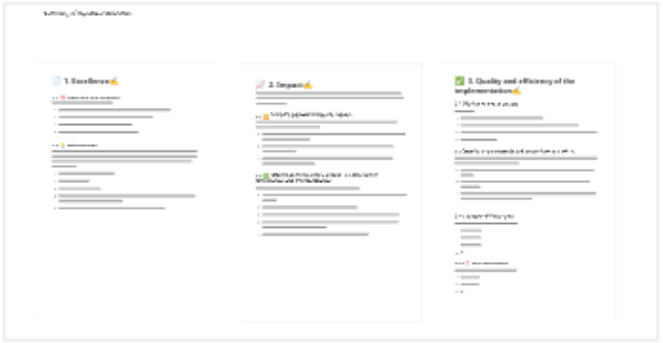
Team 1:

Cluster:

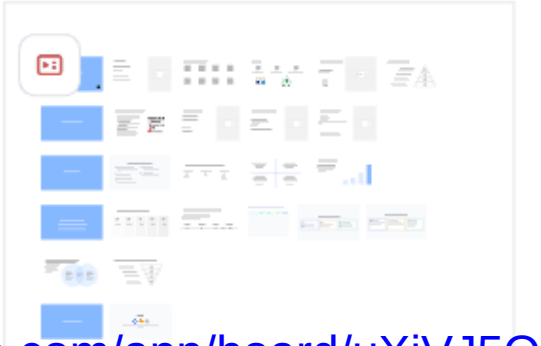
Call:

Title of the proposal:

Proposal Concept by Team 1



Pitch deck template for Team 1



6. Workspace for Team 2

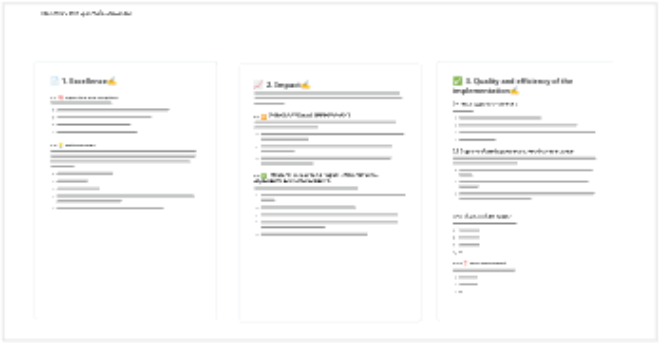
Team 2:

Cluster:

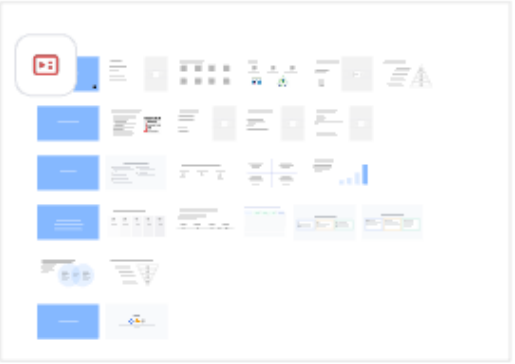
Call:

Title of the proposal:

Proposal Concept by Team 2



Pitch deck template for Team 2



https://miro.com/app/board/uXjVJ5QdEDo=/