

Κανόνες συμμετοχής και χρήσιμες συμβουλές & για την προετοιμασία επιτυχημένης πρότασης στον Ορίζοντα Ευρώπη

Κατερίνα Παπαδούλη

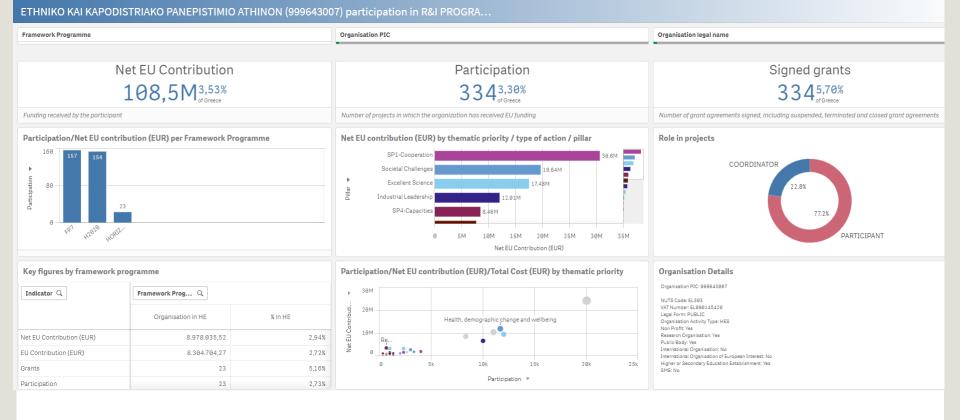
Τμήμα Γεωλογίας Εθνικό και Καποδιστριακό Πανεπιστήμιο Αθηνών



Statistics



NKUA_participation in R&I projects





NKUA_participation with keywords

ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON (999643007) participation in R&I PROGRA...

Project Keywords

Natural resources exploration and exploitation

Networks (communication networks, sensor networks, networks of robots, etc.)

gs Drug development, clinical phases Public health and epidemiology Nano-materials (production and properties) Science education Network technologies / Internetworking Simulation engineering and modelling Public and environmental health Clinical research Medical engineering and technology **Energy efficient** Biomarkers Medicinal chemistry Analytical chemistry Knowledge represen agnostic tools (e.g. Infectious diseases **Crisis** management Big data Personalised medicine Disease control Security Patient stratification Healthy ageing Digitalisation/ICT and cultural heritage

Environment, resources and sustainability Pharmacology, pharmacogenomics, drug discovery and design, drug therapy Wireless communications, communication, high frequency, mobile technology

Internet and semantic web, database systems and libraries

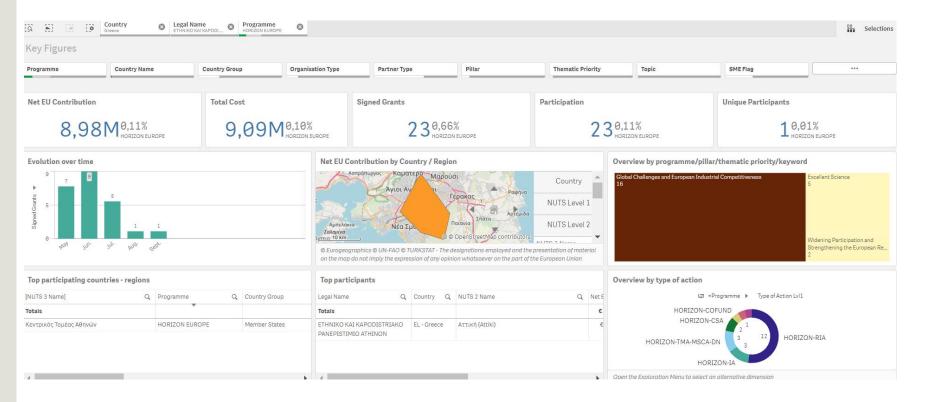
Cultural heritage,

cultural

11/15/2022

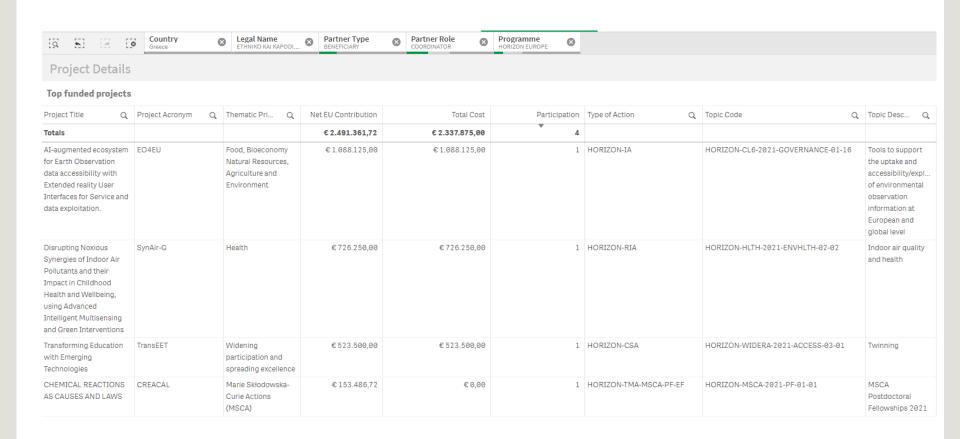


NKUA_participation in Horizon Europe





Horizon Europe_Coordinating role







Research and Innovation





Types of Actions & Basic eligibility Criteria



Type of actions

Research and innovation

Activities to establish new knowledge or to explore the feasibility of a new or improved technology, product, process, service or solution.

100% funding rate

Innovation action (IA)

Topo funding rate for profit-making Coordination and support actions (CSA) Activities to produce plans and arrangements or designs for new, altered or improved products, processes or services.

Activities that contribute to the objectives of Horizon Europe. This excludes R&I activities, except for 'Widening participation and spreading excellence'

100% funding rate



Country eligibility & more...



EU COUNTRIES

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



NON-EU COUNTRIES

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



SPECIFIC CASES

- Affiliated entities established in countries eligible for funding.
- **EU** bodies
- International organisations (IO):
 - International European research organisations are eligible for funding.
 - Other IO are not eligible (only exceptionally if participation is essential)
 - IO in a MS or AC are eligible for funding for Training and mobility actions and when announced in the call conditions

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation horizoneuratom en.pdf



- Applicable for public bodies, research organisations or higher education establishments from Members States and Associated countries
- Minimum process-related requirements.

Gender equality plan

Having a gender equality plan is an eligibility criterion for Public bodies, Higher education establishments and Research organisations from Member States and Associated Countries. Be aware that if the proposal is selected, having a Gender Equality Plan will be necessary before the grant agreement signature (applicable on calls with deadlines in 2022 and beyond Does the organisation have a Gender Equality Plan (GEP) covering the elements listed below?	nd).	O No		
Minimum process-related requirements (building blocks) for a GEP				
 Publication: formal document published on the institution's website and signed by the top management 				
- Dedicated resources: commitment of human resources and gender expertise to implement in	t.			
 Data collection and monitoring: sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators. 	3			
 Training: Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers. 				
Content-wise, recommended areas to be covered and addressed via concrete measures and targets are:				
 work-life balance and organisational culture; 				
 gender balance in leadership and decision-making; 				
 gender equality in recruitment and career progression; 				





EN

Horizon Europe

Work Programme 2021-2022

6. Civil Security for Society

(European Commission Decision C(2022)2975 of 10 M

Disaster-Resilient Society for Europe
Call - Disaster-Resilient Society 2021
Conditions for the Call
DRS01 - Societal Resilience: Increased risk Awareness and preparedness of citizens 141
HORIZON-CL3-2021-DRS-01-01: Improved understanding of risk exposure and its public
awareness in areas exposed to multi-hazards
DRS02 - Improved Disaster Risk Management and Governance
HORIZON-CL3-2021-DRS-01-02: Integrated Disaster Risk Reduction for extreme climate
events: from early warning systems to long term adaptation and resilience building 144
HORIZON-CL3-2021-DRS-01-03: Enhanced assessment of disaster risks, adaptive
capabilities and scenario building based on available historical data and projections 146
HORIZON-CL3-2021-DRS-01-04: Developing a prioritisation mechanism for research
programming in standardisation related to natural hazards and/or CBRN-E sectors 149
DRS03 - Strengthened capacities of first and second responders
HORIZON-CL3-2021-DRS-01-05: Fast deployed mobile laboratories to enhance
situational awareness for pandemics and emerging infectious diseases
Call - Disaster-Resilient Society 2022
Conditions for the Call
DRS01 - Societal Resilience: Increased risk Awareness and preparedness of citizens 153
HORIZON-CL3-2022-DRS-01-01: Enhanced citizen preparedness in the event of a disaster
or crisis-related emergency
HORIZON-CL3-2022-DRS-01-02: Enhanced preparedness and management of High-
Impact Low-Probability or unexpected events
HORIZON-CL3-2022-DRS-01-03: Improved quality assurance / quality control of data
used in decision-making related to risk management of natural hazards, accidents and
CBRN events
HORIZON-CL3-2022-DRS-01-04: Better understanding of citizens' behavioural and
psychological reactions in the event of a disaster or crisis situation
DRS02 - Improved Disaster Risk Management and Governance
HORIZON-CL3-2022-DRS-01-05: Improved impact forecasting and early warning



General admissibility conditions

- Applications must be submitted before the call deadline, electronically via the Funding & Tenders Portal
- Applications must be complete, readable, accessible and printable, and include a plan for the exploitation and dissemination of results, unless provided otherwise in the specific call conditions.

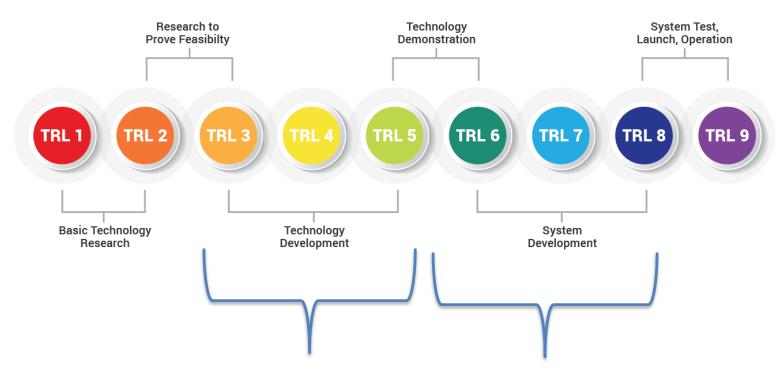
Proposal page limit

Substantial reduction in maximum length:

- RIAs and IAs type of actions: limit for a full application is 45 pages
- CSAs: limit is 30 pages
- First stage proposals: limit is 10 pages
- Exceptions, if any, would be specified in the call text.



Technology readiness level



Research & Innovation Actions Funding rate: 100%

Innovation Actions Funding rate: 70%



Break the call text into bits and pieces







Decoding a call text: An example

Topic Identifier HORIZON-CL4-2022-RESILIENCE-01-07 Innovative solutions for efficient use and enhanced recovery of mineral and metal by-products from processing of raw materials (IA)

Type of action

HORIZON-IA HORIZON Innovation Actions (70% funding rate for profit organisations)

TRL 6-7 by the end of the project

Scope

Actions should develop energy-, material- and cost-efficient new sustainable mineral processing and/or metallurgical technologies and processes to increase the selectivity and the recovery rates of valuable by-products[2], particularly critical raw materials[3].

Expected outcome

1. **Increase** process selectivity, broader range and higher recovery rates of valuable raw materials, particularly **critical raw materials**;

- 2. Unlocking **substantial reserves** of new or currently **unexploited/underexploited** resources within the U;
- 3. Significantly increase economic performance in terms of **higher material-, water-, energy- and cost-efficiency** and flexibility in minerals processing, metallurgical or recycling processes;
- 4. Significantly **improve the health, safety and environmental performance** of the operations throughout the whole life cycle which is considered, including a reduction in waste, wastewater and emissions generation and a better recovery of resources from generated waste;



12 mil euros per proposal 2 proposals to be funded

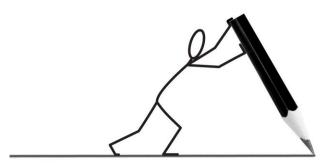


Artificial Intelligence Digital Agenda Societal Engagement Social Innovation



Produce a concept note (initial outline of your idea)

Write preliminary 2-3 pages about your:



- > objectives
- > European relevance (topic, WP, Horizon EU strategic plan, EU priorities)
- > target groups
- > Impact envisaged
- > Methodology to be followed
- > major steps (work packages)
- > Performance measurements (KPIs)
- > Type of expertise needed: intended consortium (countries, types of

organisations)

11/15/2022



Evaluation Criteria



Horizon Europe: Proposal evaluation

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 due to the
 project.
- Suitability and quality of the measures to maximize expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities.

QUALITY AND EFFICIENCY OF THE 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 extent to which the consortium as a whole brings together the necessary expertise.



Finding the right partners... (How?)

- > From your own international contacts & personal network
- Funding and tenders portal partner search facility)
- Bilateral agreements, MoUs
- Contacts from events, information days, brokerage events
- Network of National Contact Points
- Social media (Linkedin)

- ✓ Have in place selection criteria
- ✓ Clear understanding of the expertise you are searching



- Coordinator
- > Work Package leaders
- > Task leaders

Optional

- > External advisors
 - Ethics advisor, GDPR expert
 - ...and many more...



Proposal Drafting



Working with the right documents

"Good to have" - Documents

- Proposal templates CSA/RIA/IA
- Annotated Model Grant Agreement
- Eligible costs
- Management of IPR
- Open Access, Ethics
- Many examples and best practice solutions
- Desca Model Consortium Agreement
- Governance Structure of the project
- Dissemination and access rights to results
- Version with "elucidation notes" and explanations available





Source: https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents



PART A **ADMINISTRATIVE INFORMATION**

- General information (coordinator)
- Participant information, (1 for each partner)
- Budget (completed by the coordinator)
- Fthics
- Security moved here from Part B section 5.2
- Other questions

Part B

- 1. Excellence
- 2. Impact
- 3. Quality and efficiency of the implementation
- Members of the Consortium moved to Part A2
- 5. Ethics moved to Part A4
- 6. Security moved to Part A5



Excellence: Evaluation Criteria

EXCELLENCE

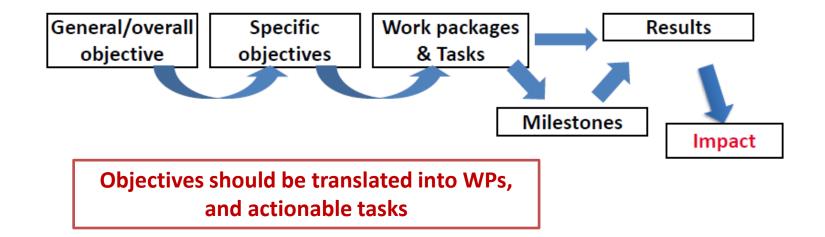
- Clarity and pertinence of the project's objectives, and the extent to which the proposed work is ambitious, and goes beyond the state-of-the-art.
- ✓ Soundness of the proposed methodology, including the underlying concepts, models, assumptions, inter-disciplinary approaches, appropriate consideration 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.

Excellence

- ▶ 1.1 Objectives
- ▶ 1.2 Relation to the work programme
- ▶ 1.3 Concept and approach
- ▶ 1.4 Ambition
- ▶ 1.5 Gender dimension
- ▶ 1.6 Open science
- ▶ 1.7 No harm principle
- ▶ 1.8 Data management



"Describe the overall and specific objectives for the project, which should be **clear**, **measurable**, **realistic and achievable** within the duration of the project. Objectives should be **consistent with the expected exploitation and impact** of the project (see section 2)."





Horizon Europe: Proposal evaluation

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 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.



Impact: Go beyond

Substantial impacts **not covered** in the work programme that would:

- > enhance innovation capacity
- > create new market opportunities,
- > strengthen competitiveness and growth of companies
- address issues related to climate change or the environment
- Or bring other important benefits for society

Which policies do you support?

- > EU policies
- > UN Sustainable goals

Which barriers to you acknowledge? (Such as laws, freedom to operate, consumers' resistance to change, interoperability issues)



Impact – Target Groups & outcomes

The extent of the benefits for

- Science
- > Technological progress
- **>** Environment
- Society
- Economy EU Competitiveness

Acknowledge them separately

Consortium

(publications, patents)

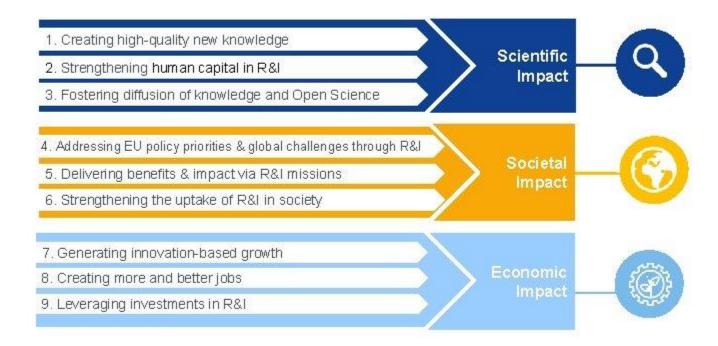
Scientific community &
Industry

EU Competitiveness
(businesses)

EU Society, economy



Key impact pathways to track progress







Dissemination & Exploitation of results: Admissibility Condition

- At proposal stage: Draft plan for the dissemination and exploitation of project's results
- Communication activities for promoting the project and its findings
- Ongoing activity-→strategy

Dissemination	Exploitation
Describing and making available results so that they can be used	Making use of results , for scientific, societal or economic purposes
Audiences that may make use of results	Groups and entities that are making concrete use of results
All results which are not restricted due to the protection of intellectual property, security rules or legitimate interests	All results generated during project Participant shall make best efforts to exploit the results it owns, or to have them exploited by another legal entity
Grant Agreement Art. 29	Grant Agreement art. 28

Making results available F	acilitating further use of i	results Maki	ng use of results
Scientific publication	Innovation management	Patent	Spin-off/ Start-up
Policy brief/roadmap	Copyright Management	PhD the	esis/ Product
Training/workshop	s	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Standard
demonstration	Data Management	Further research	Service
Sharing results on	plan	. cocarcii	Societal
online repository		Open/copyleft activity	
(research data, software, reports)	Active stakeholder/ user engagement	licenses Policy change	



Proposal Impact: Needs, Results, Outcomes & Impact

SPECIFIC NEEDS	EXPECTED RESULTS	D & E & C MEASURES
What are the specific needs that triggered this project?	What do you expect to generate by the end of the project?	What dissemination, exploitation and communication measures will you apply to the results?
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.	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.	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-à-vis companies



Horizon Europe: Proposal Impact

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 programme? 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).



Implementation: Evaluation Criteria

QUALITY AND EFFICIENCY OF THE 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 extent to which the consortium as a whole brings together the necessary expertise.



- ▶ 3.1 Work Plan (work packages deliverables)
- ▶ 3.2 Management structures, milestones and procedures
- > 3.3 Consortium as a whole
- Resources to be committed tables



- Consistency of work plan (should remind us of the objectives of the EXCELLENCE part and the IMPACT) and coherence (interrelation of WPs)
- Complementarity of the participants (to reflect the scope of the call text)
- > Relevant and adequate management structures



EXAMPLE: Work Package Description (Table 3.1b);

Table 3.1b: Work package description

For each work package:

Work package number		Lead	beneficia	ry		
Work package title		•			•	
Participant number						
Short name of participant						
Person months per						
participant:						
					× C	/
Start month	•		•	End		
				month		

Objectives

Description of work (where appropriate, broken down into tasks), lead partner and role of participants

Deliverables (brief description and month of delivery)

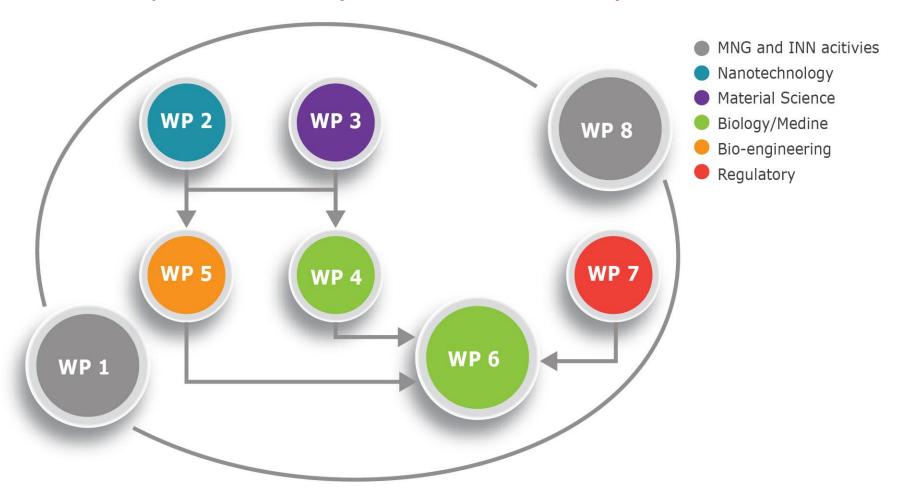


EXAMPLE: Timing of the different work packages and their components (Gantt chart or similar)

			YE/	NR 1		YEAR 2			YEAR 3			YEAR 4				YEAR 5					
		M1-3	M4-6	M7-9	M10-12	M13-15	M16-18	M19-21	M22-24	M25-27	M28-30	M31-33	M34-36	M37-39	M40-42	M43-45	M46-48	M49-51	M52-54	M55-57	M58-60
WP1:	Management																				
T.1.1	Task 1.1 Project Management		D.1.1								D.1.2										D.1.3
T.1.2	Task 1.2 Project Coordination	%				S					§6, R					S				S	
T.1.3	Task 1.3 Quality control																				
WP2:	Network Capacity Building and Excellence																				
T.2.1	Task 2.1 NCP Assessment		D.2.1																		
T.2.2	Task 2.2 Trainings for NCPs				0			0			D.2.2 ()				0			0			D.2.3
T.2.3	Task 2.3 NCPs Mentoring		Δ		Δ		Δ		Δ		D.2.4 🗅				Δ				Δ		D.2.5 🗅
WP3:	Network Matchmaking activities																				
T.3.1	Task 3.1 Brokerage Events			0								©									D.3.1
T.3.2	Task 3.2 Workshops and Trainings			\				\(\)				\					\				D.3.2
T3.3	Task 3.3 Collaboration with other Networks																				D.3.3
WP4:	Communication and Dissemination																				
T.4.1	Task 4.1 Communication and Dissemination plan	D.4.1									D.4.2										
T.4.2	Task 4.2 Internal communication																·				
T.4.3	Task 4.3 External communication		D.4.3							·											D.4.4

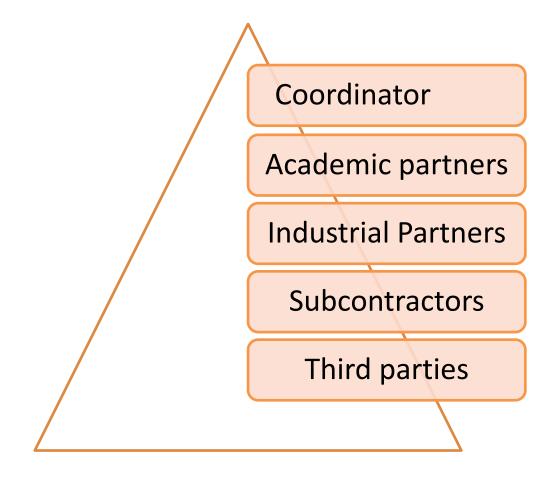


EXAMPLE: Presentation of the components showing how they inter-relate (Pert-chart or similar) they inter-relate (Pert-chart or similar)





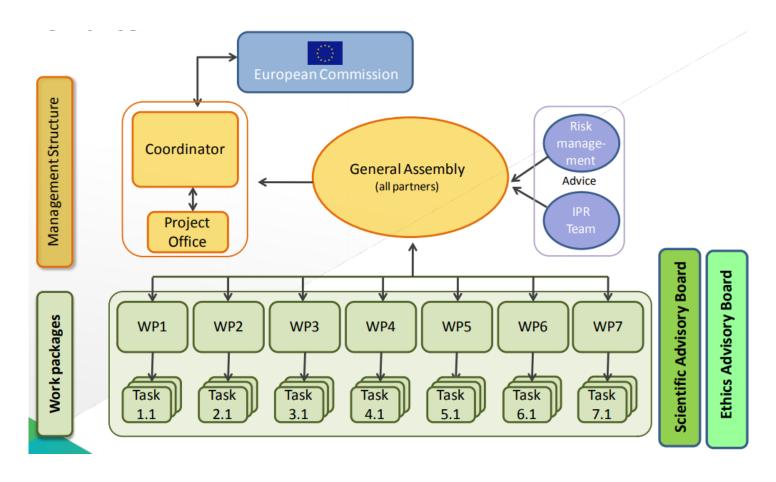
Consortium as a whole





Proposed project management

Decision-making structures to allow proper implementation





Contact the National Contact Points for Horizon Europe for info and advice

- Guidance on choosing relevant Horizon Europe topics and types of action
- ▶ Advice on administrative procedures and contractual issues
- Pre screening of proposal
- Assistance in partner search



TIPS





Your proposed work must be within the scope of a work programme topic



You need to demonstrate that your idea is ambitious and goes beyond the state of the art



Your scientific methodology must take into account interdisciplinary, gender dimension and open science practices.



You should show how your project could contribute to the outcomes and impacts described in the work programme (the pathway to impact)



You should demonstrate the quality of your work plan, resources and participants



Criterion	DO	DON'T
	Define objectives clearly.	Don't rush; poorly prepared proposal ruins even the most excellent plans.
	Be ambitious, but stay realistic.	
	Choose appropriate methodology.	Don't repeat something what is already done.
	Choose relevant partners and reliable coordinator.	Don't forget to include partners from differe regions, disciplines, stakeholder groups to compose a balanced consortium.
Excellence	Put effort on describing the state-of-art and proof of concept.	Don't forget to show the credibility of your consortium.
Sel	Create links with previous	
ñ	networks/projects and relevant policies.	Don't hesitate to provide detailed description about your methodology, technical solution
	Engage interdisciplinary expertise.	etc. Superficial description of the processes is often brought out as a major shortcoming
	Stay accurate, concise throughout the	
	proposal	If you have a novel approach – don't forget
	Bring out the innovation potential.	to describe it thoroughly and to support it with relevant references.
	If something stays unclear, contact your NCP.	



When planning be concrete and precise.

Quantify as much as possible.

Use financial figures and develop a business model and/or business plan.

Elaborate a convincing commercialisation plan.

Take into account all the expected impacts described in the topic.

Expected impacts should be derived and justified on previous results.

Plan a good cooperation with end users from the beginning of the project.

Involve policy makers, SMEs and industry in the proposal or plan a sustainable cooperation with them.

Describe industrial uptake of research results in details.

Develop an excellent dissemination plan (with diverse dissemination measures).

Address adequately and clearly explain dissemination of project results.

Ask for evaluation of impacts (by professionals).

Ask NCPs for cooperation.

Don't list irrelevant and unreal impacts.

Don't try to be very optimistic as it may cause the lack of credibility.

Don't use general descriptions, without any specific focus.

Don't use a weak or general analysis of the market and competition.

Don't miss concrete market details: potential market volumes, which markets, specific products, prices, etc.

Don't copy proposal's parts (mainly IPR management) from your previous project proposals.

Don't forget that the impact should be related to the particular concept, not to the call fiche.

Don't repeat (or copy) required impact from the call instead of development of your own proposal content.

Don't confuse dissemination with communication or exploitation.

Don't forget to use concrete information about expected environmental savings.

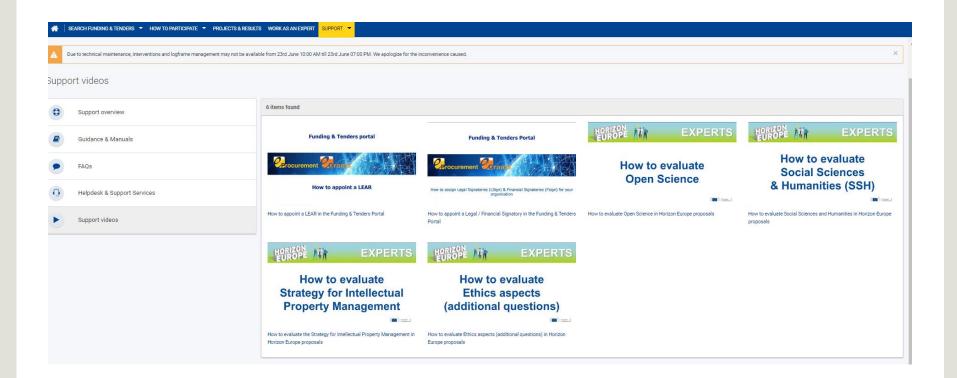
Impact



55	Concrete and precise planning.	Don't use repetitions from within the text of the proposal.
	Details and Quantification.	uro proposai.
	Use Tables.	Don't do "copy-pastes" from other/ previous proposals.
_	Well-timed tasks and activities with well-	Product consequence
tatio	balanced allocation to partners.	Don't forget the details - unsubstantiated/ unreferenced content/ figures/ numbers are
Implementation	Well-balanced and justified resources and budget.	causing a negative impression.
bld		Don't take beneficiaries/ Partners who are
Ε	Consortium with partners who complement and synergize well in	"joyriders" with no significant role and tasks.
	expertise and tasks.	Don't plan vague Deliverables and Milestones.
	Consultation with NCP.	Lack of "Plan B" and contingency measures.



https://ec.europa.eu/info/fundingtenders/opportunities/portal/screen/support/videos

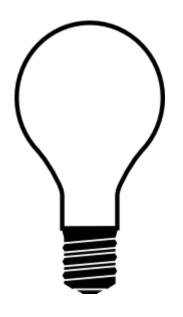






Source: https://ec.europa.eu/info/research-and- innovation/events/upcoming-events/horizon-europe-info-days_en





It's not sufficient to have an excellent idea ...

But it is important to organize the proposal preparation in an excellent way!!!

What is not there is not evaluated!!!

Σας ευχαριστώ πολύ!

Κατερίνα Παπαδούλη

papadouli@praxinetwork.gr

Visit: www.horizoneurope.gr



Website: www.praxinetwork.gr **e-mail:** praxi@praxinetwork.gr

f in praxinetwork