HORIZON EUROPE PCP - PPI

ΡCΡ & ΡΡΙ ΩΣ ΜΗΧΑΝΙΣΜΟΊ ΕΝΣΩΜΆΤΩΣΗΣ ΤΗΣ ΚΑΙΝΟΤΟΜΊΑΣ ΚΑΙ ΤΗΣ ΕΦΑΡΜΟΓΉΣ ΥΠΗΡΕΣΙΏΝ Ε&Α ΣΤΟΝ ΔΗΜΌΣΙΟ ΤΟΜΈΑ

HEALTH CLUSTER EVENT, 02 FEBRUARY 2022

IOANNIS AMARANTIDIS

06 01 About me and my organisation Participation – general conditions Horizon 2020 statistics Impact canvas – pathway 03 80 Tips and good practices Horizon Europe Strategic Plan 09 04 PCP – PPI overview Team approach 10 05 Open calls

ABOUT ME

loannis Amarantidis MSc - Horizon Grants Expert at ProjectCentre of R&D Department at Region Jämtland Härjedalen, Sweden.



- MSc, Agricultural Economics and Business Management Democritus University of Thrace
- Solid experience in Horizon collaborative project funding instruments (IA, RIA, CSA, PCP).
- Participation in 6 major Horizon 2020 projects as well as in national, regional and territorial cross border initiatives.
- Projects: C3-Cloud (completed), ADLIFE, HSMonitor, INCAREHEART, dRural, mHealth Hub, MED1stMR, Regional Resource Centre

BRIEF DESCRIPTION

Region Jämtland Härjedalen (RJH), Sweden.



- RJH's legal status is a County Council. Its main responsibility is primary and secondary healthcare, as well as regional development in a large and sparsely populated region of approximately 131,000 inhabitants. There are roughly 4,000 employees in 100 different professions in RJH, and around 93 % of the total budget of ca 400 million € is allocated to healthcare.
- RJH has the experience and advantage of deploying and implementing digital innovations on a wide scale.
- Well-established common EHR (e-prescriptions included) for all primary and secondary care
- Clinical expertise regarding all common chronic diseases (e.g. hypertension, diabetes, heart failure, palliative care and mental health)
- Best practices in primary care and provide knowledge and experience in distanceindependent healthcare
- Researchers in our organisation who have produced healthcare apps including CE labelling
- The R&D unit oversees education, including parts of the training for all medical personnel, and is therefore experienced in transferring knowledge

PROJECTCENTRE



ProjectCentre / R&D department of Region Jämtland Härjedalen

R&D dept. and its ProjectCentre are responsible for and collaborates within EU innovation projects. The Project Office functions as a resource to internal and external project partners, and acts as a networking resource by taking the project results onto a larger marketplace.

Project Centre track record since 2016: 70% Horizon projects granted success rate, secure more than 7 mil. € funding, collaborate with more than 200 active networks – partners.

Projects: C3-Cloud (completed), ADLIFE, HSMonitor, INCAREHEART, dRural, mHealth Hub, MED1stMR, Regional Resource Centre

The Team that makes it possible...

- Core team
- Project leaders
- Resources/skills
- healthcare
- research
- law
- procurement
- IT eHealth
- husines
- EU administration
- deployment
- organisational transformation
- communications





EIP on AHA Reference Site – "3 Star"
ERRIN InDemand Community
CORAL network member
EHTEL member

06 01 About me and my organisation Participation – general conditions Horizon 2020 statistics Impact canvas – pathway 03 80 Horizon Europe Strategic Plan Tips and good practices 09 04 PCP – PPI overview Team approach 10 05 Open calls

HORIZON 2020 PARTICIPATION - GREECE

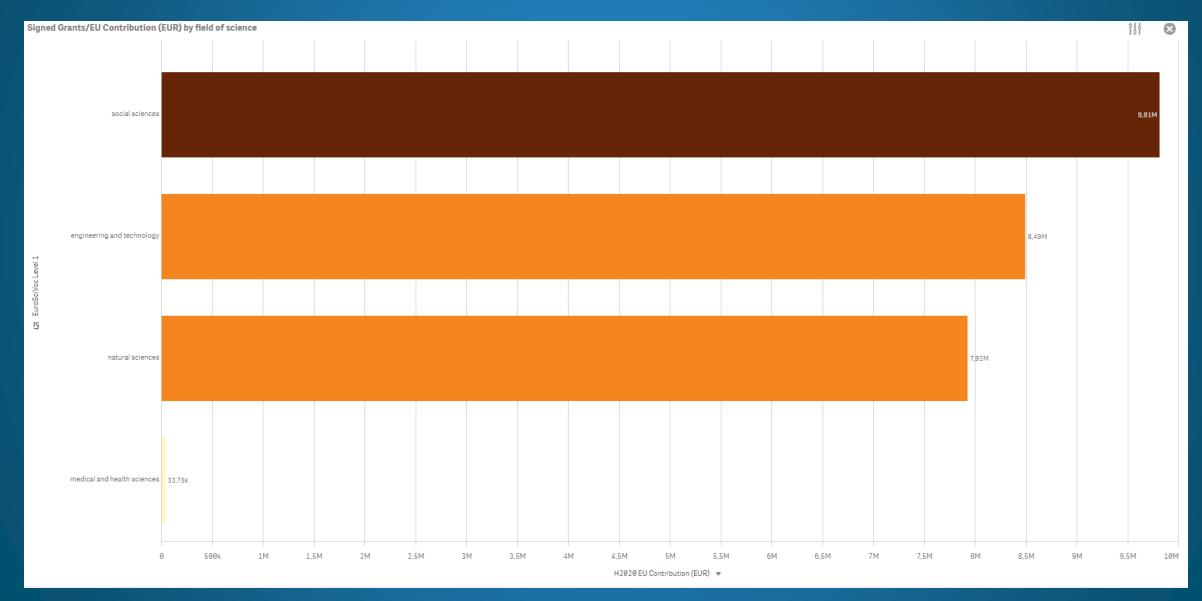
PCP - PPI statistics

Participations and Net EU Contribution/EU Contribution by country - region				
Country Q	H2020 EU Contribution (EUR)	H2020 Net EU Contribution	H2020 Participations	
Totaux	€ 243.005.253	€243.005.253	374	
Spain	€35.215.453	€35.215.453	83	
Italy	€ 24.611.467	€24.576.513	50	
Germany	€13.803.486	€13.848.486	28	
France	€18.616.288	€18.616.288	27	
Netherlands	€11.482.141	€11.482.141	25	
Belgium	€23.430.463	€23.417.683	21	
United Kingdom	€9.269.647	€9.265.991	21	
Greece	€28.912.810	€28.912.810	15	



HORIZON 2020 PARTICIPATION - GREECE

PCP - PPI statistics



HORIZON 2020 PARTICIPATION - GREECE

PCP - PPI statistics

Number of project participations and Net EU Contribution/EU Contribution					
Legal Name Q	NUTS 1 Name Q	H2020 EU Contribution (EUR)	H2020 Net EU Contribution	H2020 Participations	
Totaux		€ 28.912.810	€ 28.912.810	15	
KENTRO MELETON ASFALEIAS	ATTIKH (ATTIKI)	€24.462.057	€24.462.057	5	
ELLINIKOS ERYTHROS STAVROS	ATTIKH (ATTIKI)	€1.113.188	€1.113.188	1	
ETHINKO KENTRO AMESIS VOITHEIAS	ATTIKH (ATTIKI)	€1.099.125	€1.099.125	1	
DIMOS LAMIA	ΚΕΝΤΡΙΚΗ ΕΛΛΑΔΑ (€912.741	€912.741	1	
NATIONAL CENTER FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	ATTIKH (ATTIKI)	€632.813	€632.813	2	
MINISTRY OF NATIONAL DEFENCE, GREECE	ATTIKH (ATTIKI)	€217.125	€217.125	1	
REGION OF CENTRAL MACEDONIA	ΒΟΡΕΙΑ ΕΛΛΑΔΑ (VO	€ 209.250	€209.250	1	
HELLENIC CENTRE FOR MARINE RESEARCH	ATTIKH (ATTIKI)	€121.725	€121.725	1	
ETHNIKO ASTEROSKOPEIO ATHINON	ATTIKH (ATTIKI)	€111.038	€111.038	1	
ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON	ATTIKH (ATTIKI)	€33.750	€33.750	1	

06 01 About me and my organisation Participation – general conditions Horizon 2020 statistics Impact canvas – pathway 80 03 Tips and good practices Horizon Europe Strategic Plan 09 04 PCP – PPI overview Team approach 10 05 Open calls

HORIZON EUROPE PRIORITIES 2021-2024

From EU priorities to Work Programme Destinations





HORIZON EUROPE - STRATEGIC PLAN 2021-2024

Key Strategic Orientations for research and innovation

KSO



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

B

Restoring Europe's ecosystems and biodiversity, and managing sustainably natural resources to ensure food security and a clean and healthy environment

KSO



Making Europe the first digitally enabled circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems

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

KSO

06 01 About me and my organisation Participation – general conditions Horizon 2020 statistics Impact canvas – pathway 80 03 Horizon Europe Strategic Plan Tips and good practices 09 04 PCP – PPI overview Team approach 10 05 Open calls

What and Why?

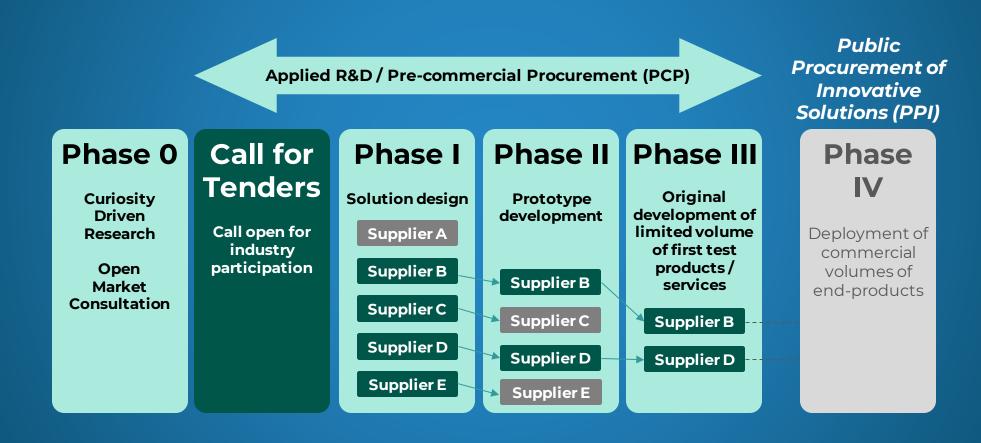
- **Pre-Commercial Procurement** (PCP) is the procurement of R&D services to develop pioneering innovative solutions, before they are commercially available
- Public Procurement of Innovative solutions (PPI) happens when the public sector uses its purchasing power to act as early adopter of innovative solutions which are not yet available on large scale commercial basis
- Society faces important challenges: Health care, Climate Change, Energy Efficiency, Transport, Security...

PCP and PPI are complementary, and the core difference is the readiness (i.e. risk) of an innovative solution

PCP Introduction | PCP and PPI

	PCP	PPI
When?	Requires R&D to get new solutions developed. Problem clear, but pros/cons of competing solutions not compared/validated yet. No commitment to deploy yet.	Requires solution which is almost on the market/already on the market in small quantity, but not meeting public sector requirements for large scale deployment yet. No R&D involved.
What?	Public sector buys R&D to steer development of solutions to its needs, gather knowledge about pros/cons of alternative solutions, to avoid supplier lock-in later.	Public sector acts as launching customer/early adopter/first buyer for innovative products and services that are newly arriving on the market.
How?	Public sector buys R&D form several suppliers in parallel (comparing alternative solution approaches), in form of competition evaluating progress after critical milestones, risks and benefits of R&D) shared with suppliers to maximise incentives for the wide commercialisation.	Public sector acts as facilitator establishing a buyers group with critical mass that triggers industry to scale up its production chain to bring products on the market with desired quality/price ratio within a specific time. After a test and/or certification, the buyers group purchases a significant volume of products.

PCPs follow a multi-staged process to select the most suitable and promising innovation; R&D services are contracted in Phases I-III



Why an Open Market Consultation?

The OMC aims to bring the market perspective to a procurement process

It helps the procurers to prepare an effective proinnovation tendering approach

→

It enables the suppliers to work in advance and prepare competitive offers.

7

→

A Win-Win for everyone!

Benefits for taxpayers

- Access to better public services;
- More innovative and globally competitive society;

- Attractive for foreign investment;
- Increased **employment** demand.

Benefits for procurers

- Solutions steered to public sector needs;
- Increase quality of services;
- Knowledge about pros/cons of alternative solutions;
- procurers get to select the best option.

Benefits for suppliers

- opportunities to gain leadership in a sector or to enter new markets;
- Retention of IPR ownership;
- Testing under real world conditions;
- shortening time-to-market for innovative products/services.
- Enhance collaboration between startups, SMEs and large corporations

06 01 About me and my organisation Participation – general conditions Horizon 2020 statistics Impact canvas – pathway 03 80 Horizon Europe Strategic Plan Tips and good practices 09 04 PCP – PPI overview Team approach 10 05 Open calls

Grant

Boosting green economic recovery and open strategic autonomy in Strategic Digital Technologies through pre-commercial procurement (PCP action)

Open for submission

Programme Horizon Europe (HORIZON) Deadline model single-stage

ID HORIZON-CL4-2022-RESILIENCE-02-01-PCP Opening date 12 October 2021

Types of action HORIZON Pre-commercial Procurement Deadline date 30 March 2022 17:00:00 Brussels time



Pre-commercial research and innovation procurement (PCP) for building the resilience of health care systems in the context of recovery

Open for submission

 Programme
 Horizon Europe (HORIZON)
 Deadline model
 single-stage

ID HORIZON-HLTH-2022-CARE-08-02 Opening date 06 October 2021

Types of action HORIZON Pre-commercial Procurement Deadline date 21 April 2022 17:00:00 Brussels time

Grant

Public procurement of innovative solutions (PPI) for building the resilience of health care systems in the context of recovery

Open for submission

Programme Horizon Europe (HORIZON) Deadline model single-stage

ID HORIZON-HLTH-2022-CARE-08-03 Opening date 06 October 2021

Types of action HORIZON Public Procurement of Innovative Solutions Deadline date 21 April 2022 17:00:00 Brussels time

Grant

Stimulating innovation procurement

Forthcoming

Programme Horizon Europe (HORIZON) Deadline model single-stage

ID HORIZON-EIE-2022-CONNECT-02-02 Opening date 14 June 2022

Types of action HORIZON Programme Cofund Actions Deadline date 27 September 2022 17:00:00 Brussels time

06 01 About me and my organisation Participation – general conditions Horizon 2020 statistics Impact canvas – pathway 03 80 Tips and good practices Horizon Europe Strategic Plan 04 09 PCP – PPI overview Team approach 10 05 Open calls

General Annexes

- Admissibility and eligibility, financial and operational capacity and exclusion (Annexes A-C)
- Award criteria, mandatory documents and evaluation procedure (D-F)

- Legal and financial set-up of the Grant Agreements (Annex G)
- Specific conditions for actions with Pre-Commercial Procurement or Public Procurement of Innovation

Admissibility conditions - Annex A: Submission requirements

- Check the deadline
- Use the form and submit via the EU participant portal
- Readable, accessible, printable

- Dissemination plan and exploitation of the results
- Page limits:

Pages	IA, RIA	CSA	CO-FUND	STAGE 1
	45	30	70	10

Main Types	
of Actions	

- · RIA Research and Innovation Actions up to 100% funding rate
- IA Innovation Actions up to 70% funding rate (except non-profit, 100% applies)
- CSA Coordination and Support Actions up to 100% funding rate

Award Criteria

- Excellence
- Impact
- Quality and Efficiency of implementation

- Eligibility any legal entity can participate
 - Collaborative projects Must be a consortium of minimum 3 independent legal entities, each established in a different EU Member State (MS) or Associated countries, with at least 1 of them established in a MS.
 - ➤ Monobeneficiary projects coordination & support actions, some MSCA and co-fund actions.

Proposal submission and grant management – all electronically, via the EU participant portal

EU funding and tender portal

- Calls for proposals and topics EU funding and tender portal
- Create personal account and register your organisation Participant Identification Code (PIC)
- Topics have separate webpages expand all fields to read the details

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/horizon

Eligibility conditions - Annex B: Action Types

Research and innovation (RIA) Activities to establish new knowledge or to explore the feasibility of a new or improved technology, product, process, service or solution.

Innovation action (IA)

Activities directly aiming at producing plans and arrangements or designs for new, altered or improved products, processes or services.

Coordination and support (CSA)

Activities that contribute to the objectives of the Horizon Europe programme.

Pre-Commercial Procurement (PCP) Public procurement of (R&D) services. Important tool to stimulate innovation- enables the public sector to steer the development of new solutions directly towards its needs.

Consortia of partners from different countries, industry and academia.

Funding rate: 100% of eligible costs

Consortia of partners from different countries, industry and academia.

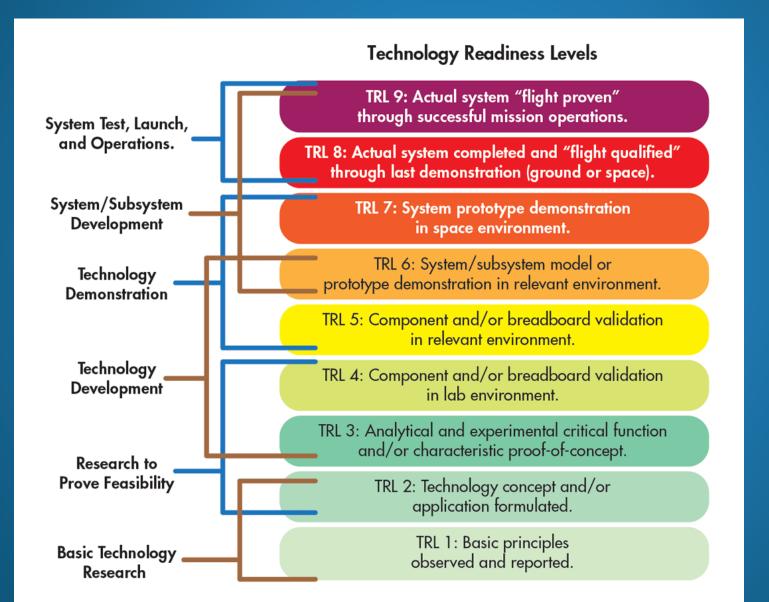
Funding rate: 70% of eligible costs (except for non-profit legal entities, where a rate of 100% applies)

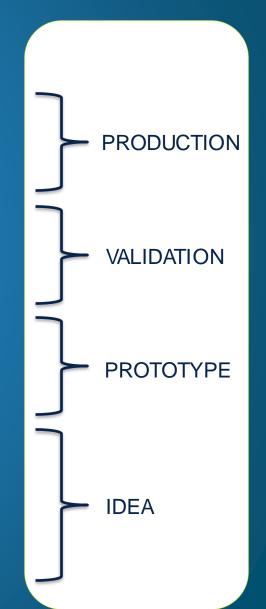
Single entities or consortia of partners from different countries, industry and academia.

Funding rate: 100% of eligible costs

The requested reimbursement of the estimated eligible costs of coordination and networking activities should not exceed 30% of the requested grant. Around 70% direct eligible costs for subcontracting

Technology Readiness Levels





Parts of the Proposal

Part A

- General information
- Participants and contacts
- Budget
- Ethics
- Call specific questions

Part B
Section 1-3

- Table of participants
- Proposal abstract
- Abbreviations
- Table of contents
- 1 Excellence
- 2 Impact
- 3 Implementation

Part B Section 4-5

- 4 Members of the consortium
- 5 Ethics and Security

Award criteria

EXCELLENCE

IMPACT

IMPLEMENTATION

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.

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 the project.

Quality and effectiveness of the work plan, assessment of risks, and appropriateness of the effort assigned to work packages, and the resources overall.

Soundness of the proposed methodology.

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

Capacity and role of each participant, and the extent to which the consortium as a whole brings together the necessary expertise.

Evaluation process

Successful submission of the proposal before the deadline.

Info to beneficiaries ESR + invitation

Grant signature

Evaluation 5 months max

Grant preparation 3 months max

Pre-financing, accession forms

Evaluation report ready, Preparatory work

8 months max

06 01 About me and my organisation Participation – general conditions Horizon 2020 statistics Impact canvas – pathway 03 80 Horizon Europe Strategic Plan Tips and good practices 09 04 PCP – PPI overview Team approach 10 05 Open calls

IMPACT CANVAS

New canvas under Part B, well-structured, game-change, time consuming, dynamic, interactive, requires relevant quality information

SPECIFIC NEEDS

What are the specific needs that triggered this project?

EXPECTED RESULTS

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

D & E & C MEASURES

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

TARGET GROUPS

Who will use or further up-take the results of the project? Who will benefit from the results of the project?

OUTCOMES

What change do you expect to see after successful dissemination and exploitation of project results to the target group(s)?

IMPACTS

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?

IMPACT PATHWAY

Horizon Europe Strategic plan

Work programme

Pillar/cluster

EU political priorities

Destinations

Intervention areas

Key strategic orientations (4)

Topic

Expected impacts

Expected outcomes

06 01 About me and my organisation Participation – general conditions Impact canvas – pathway Horizon 2020 statistics 80 03 Tips and good practices Horizon Europe Strategic Plan 09 04 PCP – PPI overview Team approach 10 05 Open calls

TIPS AND GOOD PRACTICES

Search partners – Build partnerships

- Use your existing professional networks
- Use LinkedIn to connect with people from potential partners
- > Join the Candidates for European Partnerships
- > Seek complementarities and synergies, with other projects, Clusters, relevant Destinations, as well as Missions and Partnerships and relevant initiatives funded at EU level, i.e. the Knowledge and Innovation Communities (KICs) of the European Institute of Innovation and Technology, EIT Digital, EIT Raw Materials and EIT Manufacturing. International cooperation is strongly encouraged
- > Search CORDIS for previous, related projects and contact the participants. All projects must disseminate their results and of ten hold workshops
- ➤ Join the relevant networks and associations ask NCP for suggestions Idealist Partner Search (ICT), Enterprise Europe Network Cooperation Opportunities Database
- > Participate in conferences and matchmaking events

Search partners – Build partnerships

Number of project participations and Net EU Contribution/EU Contribution				
Legal Name Q	Country Q	H2020 EU Contribution (H2020 Net EU Contribution	H2020 Participations
Totaux		€ 243.005.253	€243.005.253	374
KENTRO MELETON ASFALEIAS	Greece	€24.462.057	€24.462.057	5
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH	Switzerland	€12.092.778	€12.092.778	3
A.S.T.R.I.D. SA	Belgium	€8.640.794	€8.640.794	1
GRAND EQUIPEMENT NATIONAL DE CALCUL INTENSIF	France	€8.455.956	€8.455.956	1
FORSCHUNGSZENTRUM JULICH GMBH	Germany	€8.451.195	€8.451.195	1
SCIENSANO	Belgium	€8.436.825	€8.436.825	1
CINECA CONSORZIO INTERUNIVERSITARIO	Italy	€8.426.250	€8.426.250	1
MEDIZINISCHE UNIVERSITAT GRAZ	Austria	€8.140.561	€8.140.561	1
Turkiye Cumhuriyeti Saglik Bakanligi	Turkey	€7.630.992	€7.630.992	3
ZAVOD ENERGETSKA AGENCIJA ZA SAVINJSKO SALESK	Slovenia	€7.277.625	€7.277.625	1
ENTE VASCO DE LA ENERGIA	Spain	€ 6.769.009	€6.769.009	1
FUNDACIO DE GESTIO SANITARIA DE L'HOSPITAL DE L	Spain	€5.817.038	€5.817.038	2
REGION VASTERBOTTEN	Sweden	€ 5.064.707	€ 5.100.707	3
AZIENDA SANITARIA LOCALE BENEVENTO	Italy	€4.946.625	€4.926.375	2
REGION JAMTLAND HARJEDALEN	Sweden	€ 4.757.625	€ 4.721.625	2

- Follow organisations on social media and check their websites
- Connect with employees and contact them by an introduction, bried description of your organisation
- Contact with NCPs and ask for support and recommended partners
- Identify interesting projects and see all members of a consortium

Horizon dashboard

Funding & tenders portal

Cordistool

- > Avoid duplication and overlap of your project idea with relevant actions funded under previous Horizon 2020 calls
- > Build on achievements and available results from previous research activities and previous EU projects funded under the Horizon 2020
- > Follow a multidisciplinary approach
- > Engage, involve all stakeholders
- ➤ Include social innovation
- > Plan for scale-up, future implementation and exploitation

Tools and platforms

- Project management tool
- Plan your resources, make projections, analyse and update
- Gantt chart, timeline, work breakdown structure
- Collaboration platform (MS Teams/Sharepoint)
- Telco meetings platform (Teams, Zoom, GoToMeeting) record and take minutes/notes
- Registration forms and events scheduler
- Mailing lists, Groups, mass mailing (mailchimp)
- Templates for project's activities
- Online poll tools to plan meetings

Milestones

Critical Points - Milestones:

- Co-design, requirements, use cases, procurers' organizational and systems analysis
- Open Market Consultation events high participation from industry
- Call for tender docs to be published
- Demonstrations of prototypes phase II
- Pilot testing phase III
- Patients' recruitment
- Data protection agreements, privacy, security, integration with existing EHR system and other databases

PARTNERS AND SUPPORT

Finding Partners

- Partner search on each topic page (e.g. CARE-08-02) of the <u>Funding & Tenders Portal</u>
- EU procurement forum (post a message there)
- Linkedin (e.g. innovation procurement Linkedin group)
- Ongoing & completed EU funded PCP-PPI projects
- Partners in all Horizon Europe funded projects
- National / regional PCP / PPI initiatives in countries around Europe
- European Network of national innovation procurement competence centers
- Ideal-Ist partner search (for ICT related calls)
- Your own network of colleague procurers/public services in your field, etc.

Support in preparing a proposal

- National / regional competence centers / support programs for PCP/PPI
- European Network of national innovation procurement competence centers
- National Contact Points for Horizon Europe
- <u>Ideal-Ist</u> (network National Contact Points for ICT for Horizon programme)

USEFUL CONTACTS

Contacts - Competence Centres - Support Programs for PCP/PPI

Info about all the national competence centers and/or financial support programs for procurers in the country profiles of each individual country here

Some contacts here

- Finland: KEINO comp center (contacts)
- Sweden: VINNOVA, UHMYND comp center (contact VINNOVA, contact UHMYND)
- Germany / North Rhine-Westphalia: BME / ZENIT comp center (contact BME 1, contact BME2, contact ZENIT, contact 2 ZENIT)
- Spain: CDTI comp center (contact CDTI)
- Austria: OIB comp center PPI / AIT comp center PCP (contact OIB, contact AIT)
- Italy / Lombardia: CONSIP-comp center / Appaltoprecommerciale.it (CONSIP, contact AppaltoPCP)
- Estonia: EAS comp center / Ministry of Economy (contact1 EAS, contact2 EAS, contact MKM)
- Netherlands: PIANOo comp center (contact1, contact2)
- Ireland: Dept of Jobs, Enterprise and Innovation / Procureti / Enterprise Ireland (contact dept, contact procureti, contact Enterprise Ireland)
- Greece: DG for public procurement comp center (contact 1, 2)
- Portugal: ANI comp center (contact)
- Flanders, Belgium: PIO comp center / VLAIO (contact PIO, contact VLAIO)
- Norway: Difi comp center (contact Difi, contact NHO)
- Lithuania: MITA comp center / Ministry of Economy (contact MITA, contact min eco)
- Denmark: Market Development Fund (contact)

CONTENTS

06 01 About me and my organisation Participation – general conditions Horizon 2020 statistics Impact canvas – pathway 03 80 Tips and good practices Horizon Europe Strategic Plan 09 04 PCP – PPI overview Team approach 10 05 Open calls

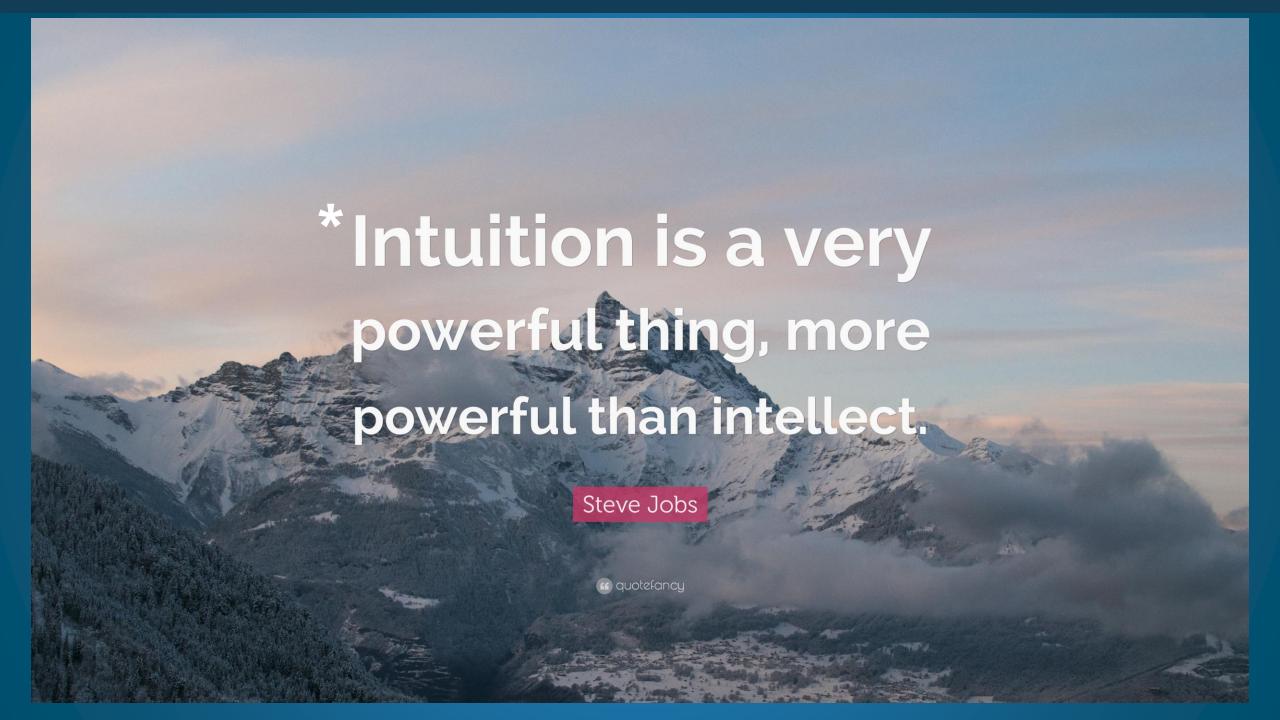
REQUIREMENTS: HIGH-PERFORMANCE – INNOVATIVE & SKILLED TEAM

- Individual and mutual accountability (no double standards, no turn coat)
- Non-traditional relations: Boss; project leader, manager, controller, assistant...
- Decision power balance: Individual and communal
- Innovation in hierarchichal organisation = internal contradiction
- Team-important: Yes (self-important/-centred: No)
- Align personal goals with the Team's
- Holistic thinking and acting (no silos)
- Mutual respect...in action (no lip service)
- Generous collaborative approach
- Think and act outside of your / "the" box!



QUALITIES AND REQUIREMENTS OF LEADERS "COMPLEX ENVIRONMENT & COMPLEX NEEDS"







CALL FOR TENDER RELEASED!

For more information visit our website:

incareheart.eu/tender_documents/



INCAREHEART has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 965134.

THANK YOU FOR YOUR TIME



Αμαραντίδης Ιωάννης Ειδικός Σύμβουλος για το πρόγραμμα Ορίζοντας Ευρώπη Συντονιστής του προγράμματος INCAREHEART PCP Περιφέρεια Jämtland Härjedalen, Σουηδία





