

Funding Opportunities Workshop | Athens 26/10/2016 e-Health Forum 2016

HORIZON 2020

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

H2020 Proposal Preparation & Submission

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National Contact Point for HORIZON 2020





H2020 Proposal Preparation & Submission

- H2020 Priorities, Rules& Funding Instruments
- H2020 Calls & Documents
- H2020 Proposal Structure
- H2020 Proposal Submission
- H2020 Proposal Evaluation
- H2020 Keys to Success





HORIZ N 2020



Excellent Science (24.4 B €)

European Research Council (13.1 B€)

Future and Emerging Technologies (2.7 B €)

Marie Skłodowska-Curie Actions (6.1 B €)

Research Infrastructures (2.5 B €)

Industrial Leadership (17 B €)

LEIT = Leadership in enabling and industrial technologies

- ICT
- · Nano, new materials
- · Biotechnology
- Space

(13.5 B €)

Access to Risk Finance (2.9 B €)

Innovation in SMEs (0.6 B €)

Societal Challenges (29.7 B €)

Health (7.5 B €)

Food (3.9 B €)

Energy (6 B €)

Transport (6.3 B €)

Climate (3 B €)

Inclusive Societies (1.3 B €)

Security (1.7 B €)

Public largest international, competitive, cooperative Research & Innovation Programme for the period 2014-2020

Spreading Excellence (0.8 B €)

Science for Society (0.5 B €)

EIT (2.7 B€)

JRC (1.9 B €)

Euratom (1.6 B €)



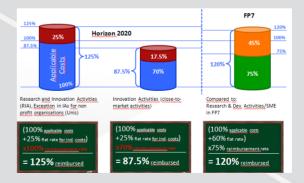


SINGLE SET OF RULES for Horizon 2020

- Adapted for the whole research & innovation cycle
- Covering all research programmes & funding bodies
- Aligned to the Financial Regulation, coherent with other new EU Programmes.

1. One funding rate.

Maximum of 100% of direct costs (except for actions close to market, max.70% will apply) + 25% of direct eligible costs (= Indirect eligible costs)



2. Three Evaluation Criteria:

Excellence, Impact & Implementation





H2020- Funding instruments (actions)

Specific Challenge Collaborative Research Projects

Research & Innovation Actions (RIA)

- 100%
- 3 entities minimum

Innovation Actions (IA)

- 70-100%
- 3 entities minimum

Support to EU policies etc

Coordination & Support (CSA)

- 100%
- 1 entity minimum

Commercial innovation

SME Instrument

- 70-100%
- Only SMEs
- 1 entity minimum

Fast track to innovation

- Maximum 5 entities
- > 2015

PCPs/PPPs

Multi-annual framework partnerships

Market-driven R&D

Research Grants

• ERC

Mobility Grants

Marie Sklodowska Curie

Bottom-up Academic grants



H2020 – Funding Instruments (actions)

Type of Activity	Instrument	# Min. Partner	# Min. Country
Consortia	Research and Innovation Activities	3	3
	Innovation Activities (close-to-market)	3	3
	ERA-Net	3	3
	Procurement PCP/PPI	3	3
Individual	European Research Council (ERC)	1	1
	Marie-Skłodowska-Curie Activities (MSCA)	1	1
Potentially individual	Coodination and Support Actions (CSA)	1	1
	SME-Instrument	1	1
	Risk Finance	1	1
	Prize	1	1

EONIKO KENTPO TEKMHPIΩΣΗΣ NATIONAL DOCUMENTATION CENTRE



Research and Innovation Activities (RIA)



Target group	Partner config.	Location	Тор
Every R&I organisation	3 Partner from 3 Countries	LEIT, SC, FET	down

Reimbursement: 100% applicable costs and 25% flat rate for indirect costs

- Development new knowledge
- Test of feasibility
- Fundamental and applicable research, Technology development and ist integration,
- Prototypes at laboratory scale
- Restricted demonstration and pilot activities under real conditions (operative setting)



H2020 – Funding Instruments (actions)

Innovation Activities (IA) Target group Partner config. Location Top down organisation Reimbursement 85.7 - 125% Location Top down 3 Countries

Reimbursement: 70% applicable costs and 25% flat rate for indirect costs. Exception for non-profit organisations (Unis): 100% applicable costs and 25% flat rate.

- Planning, schemes or templates for new, modified or improved products, processes or services
- Prototypes, demonstration and pilot activities
- Projects on market implementation (first time in sector or Europa)
- Applied validation of products at big scale and operative setting



H2020 – Funding Instruments (actions)

Coordination and Support Actions (CSA)

Reimbursement 125%

Target group	Partner config.	Location	
R&I, consumers, policy makers	Not defined	Everywhere in Horizon 2020	Top

Funding & reimbursement dependant on demand up to 100% and 25% flat rate for indirect costs. Mainly accompanying activities including:

- Standarisations
- Dissemination
- Networking
- Awareness-raising and communication
- Support activities
- Mutual learning
- Policy dialogue
- Small studies

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H2020: Example of topic

PHC 3 - 2015: Understanding common mechanisms of diseases and their relevance in co-morbidities

<u>Specific challenge</u> The development of new treatments is greatly facilitated by an improved understanding of the pathophysiology of diseases. There is therefore a need to address the current knowledge gaps in disease aetiology in order to support innovation in the development of evidence-based treatments. In this context, a better understanding of the mechanisms that are common to several diseases, in particular of those leading to co-morbidities, constitutes an important challenge.

Scope: Proposals should focus on the integration of pre-clinical and clinical studies for the identification of mechanisms common to several diseases. Proposals should assess and validate the relevance of these common mechanisms and of their biomarkers (where relevant) on the development of disease-specific pathophysiology, as well as their role in the development of co-morbidities in both males and females.

The Commission considers that proposals requesting a contribution from the EU of <u>between</u> EUR 4 and 6 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.





Expected impact: This should provide:

- A better understanding of disease pathways and / or mechanisms common to a number of diseases
- New directions for clinical research for better disease prevention, health promotion, therapy development, and the management of co-morbidities

Type of action: Research and innovation actions

The conditions related to this topic are provided at the end of this call and in the General Annexes

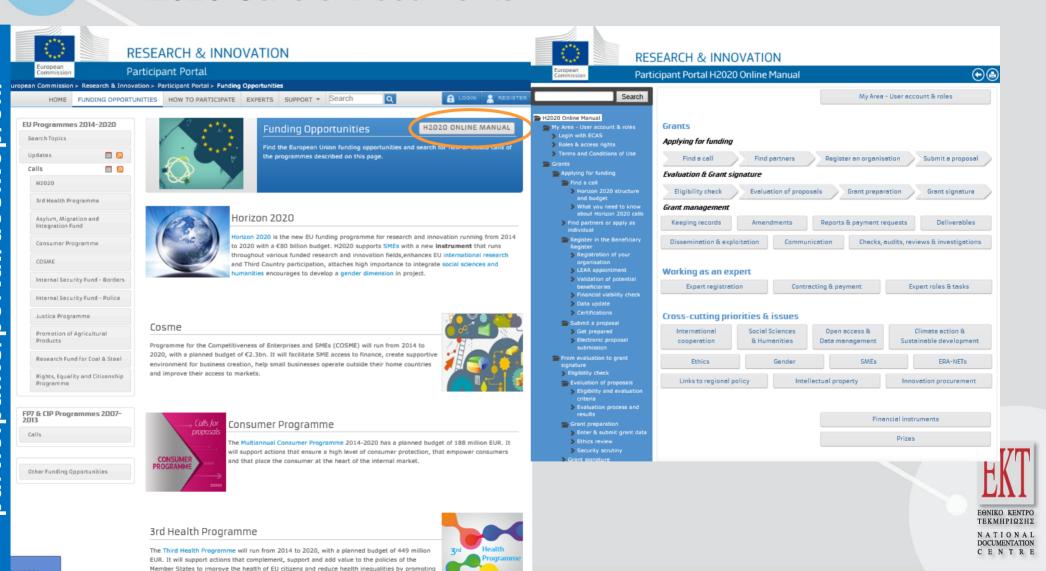




H2020 Proposal Preparation & Submission

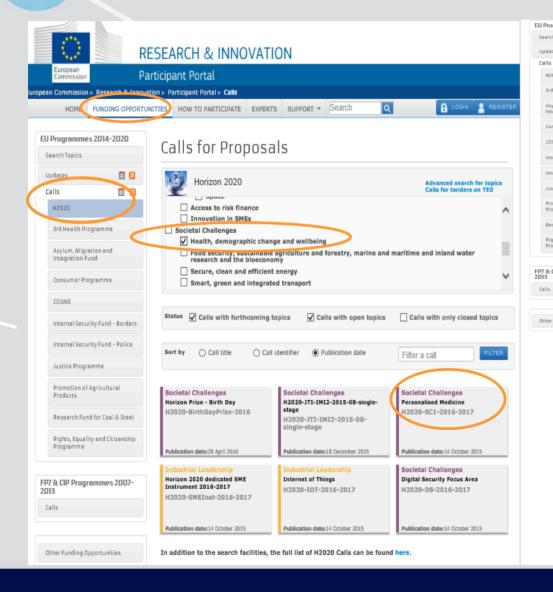
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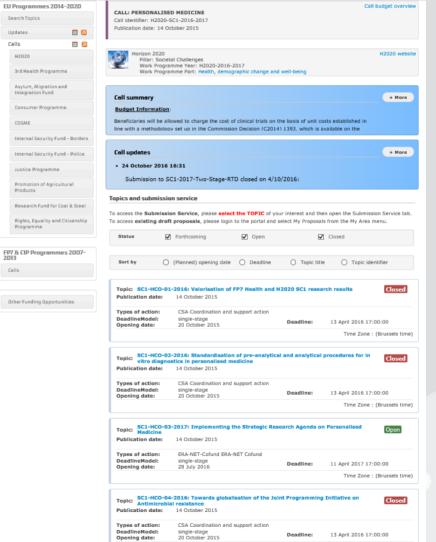




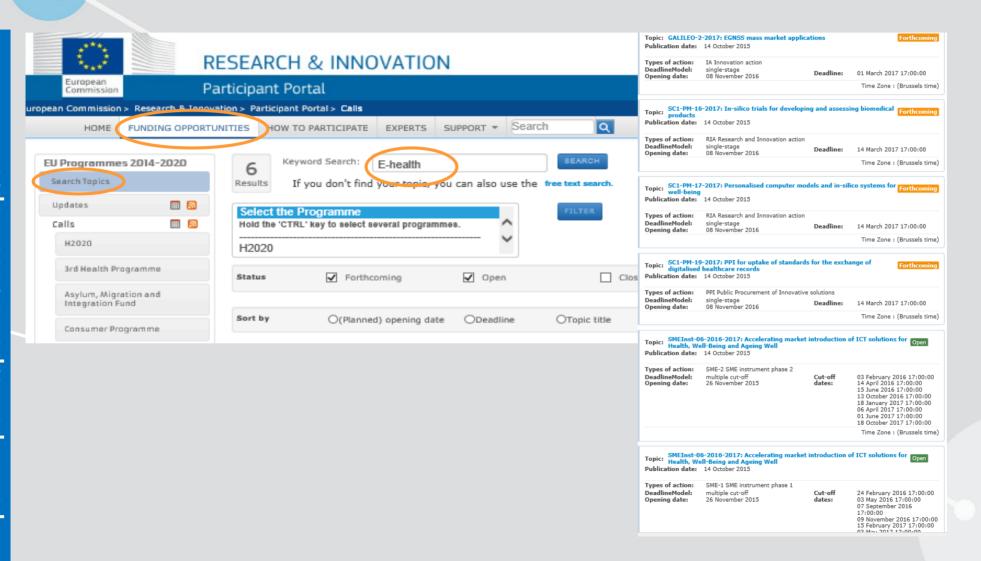




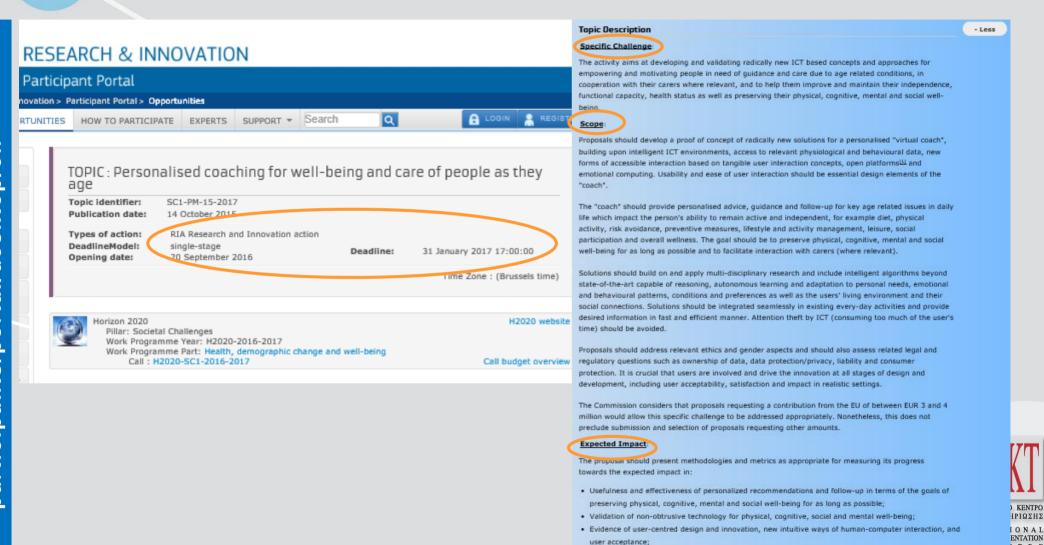






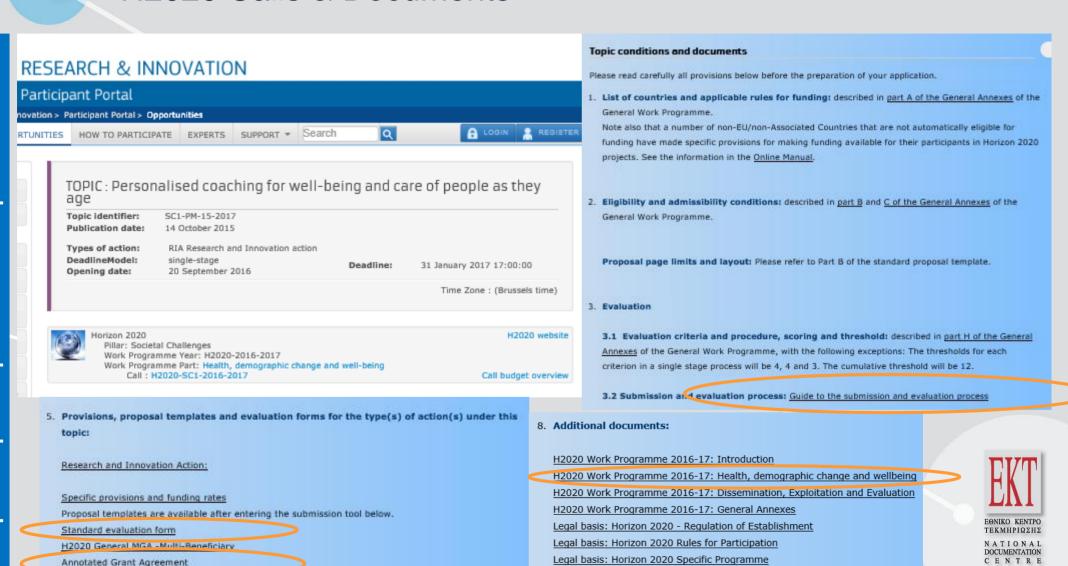






· Potential cost-effectiveness due to enhanced self-care, life-style and care management.

TRE





- Legal basis 6
 - Framework programmes (EC-Euratom)
 - Rules for participation
 - Specific programme
 - Technology (EIT)
- Grant agreements, contracts and rules of contest
 - Model grant agreements
 - Rules of contest of prizes
 - Contracts for experts
- Guidance
 - Section on beneficiary registration, validation and financial viability check
 - Section on proposal submission and evaluation
 - annotated Model Grant Agreement
- Specific guidelines
 - FRC rules for submission and evaluation
- Work Programmes
 - **2014-15**
 - **2016-17**
 - Main WP
 - General Annexes to the Main WP
 - European Research Council
 - THE OWNER.
- Templates & forms
 - Proposal templates
 - Proposal evaluation forms
 - Project reporting templates
 - арропшински
- Expert names (annual lists)
 - Cross-theme
 - Excellent science
 - Industrial Leadership
 - Societal chancinges
 - Spreading excellence and widening participation
 - Science with and for Society
 - Euratom indirect actions
 - General experts lists





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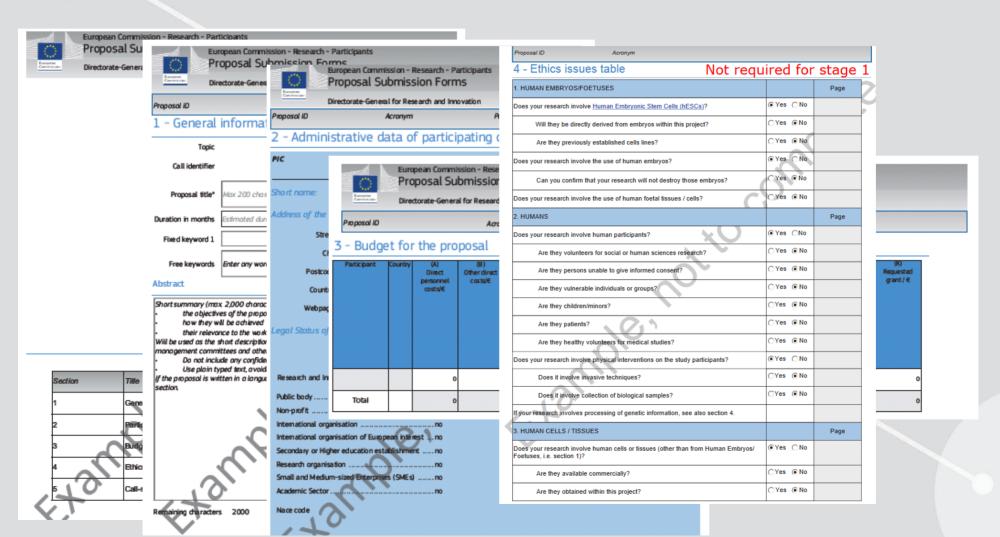


H2020 Proposal Structure

- Administrative forms (Part A)
 - General information: Title, Acronym, Duration, Keywords & Abstract, (first contact of evaluators with your proposal)
 - Participants & contacts (First-stage proposals: only coordinator)
 - Budget (First-stage proposals: only EC contribution requested; in single stage proposals or 2nd-stage of two-stage proposals: amount per partner)
 - Ethics (no in first-stage proposals) & Call-specific questions
- Technical Annex or Project proposal (Part B) follows specific structure



H2020 Proposal Structure





H2020 Proposal Structure

- Technical Annex- Part B
 - 1. Excellence
 - 2. Impact
 - 3. Implementation
 - Section 4: Members of the consortium
 - Section 5: Ethics and Security

Follows 3 evaluation criteria





COVER PAGE

Title of Proposal

List of participants

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

^{*} Please use the same participant numbering as that used in the administrative proposal forms.

Table of Contents





Excellence

- 1.1 Objectives
- 1.2 Relation to the work programme (Topic)
- 1.3 Concept (a) and methodology (b)
- 1.4 Ambition
- Impact (more important than in FP7)
 - 2.1 Expected impacts
 - 2.2 Measures to maximize impact
 - Dissemination and exploitation of results (plan)
 - Communication activities

Implementation

- 3.1 Work plan Work packages, deliverables
- 3.2 Management structure, milestones & procedures
- 3.3 Consortium as a whole
- 3.4 Resources to be committed

First-stage proposals

(max number of pages for sections 1+ 2+3 has changed, 7, 15, now mostly 10 pages)

Full proposals (max number of pages for Sections 1+2+3 depends of funding instrument: 70 pages for IA & RIA & 50 pages CSA)





Section 4: Members of the consortium

- 4.1. Participants (organisation description + CV of people involved, 5 related publications & previous projects, significant infrastructure)
- 4.2 Third parties involved in the project (including use of third party resources)

Section 5: Ethics and Security

- 5.1 Ethics
 - > submit an ethics self-assessment
 - > provide the documents that you need under national law (if you already have them e.g.: an ethics committee opinion; the document notifying activities raising ethical issues or authorising such activities)
- 5.2 Security

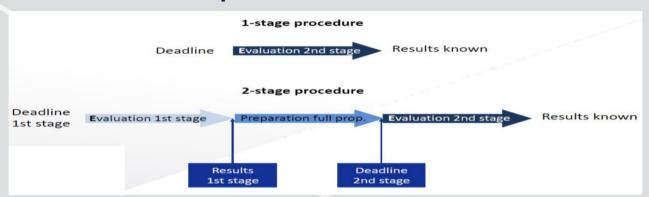




H2020 Proposal Preparation & Submission

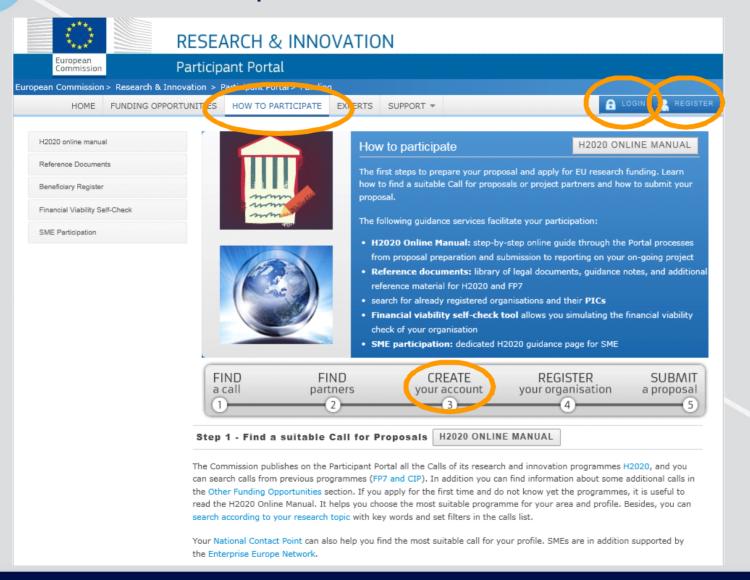
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- Single-stage proposals: proposals are evaluated in only one stage.
 - Full proposal: max number of pages for Sections 1+2+3 depends of funding instrument: 70 pages for IA & RIA & 50 pages CSA. Section 4 & 5 no page limit
- Two-stage proposals:
 - Short version of proposal is submitted & evaluated: not all criteria are applied at this stage. (Max number of pages for sections 1+ 2 +3 has changed, 7, 15, now mostly 10 pages)
 - If evaluated positively: submission full second stage proposal & evaluated against all the 3 criteria.

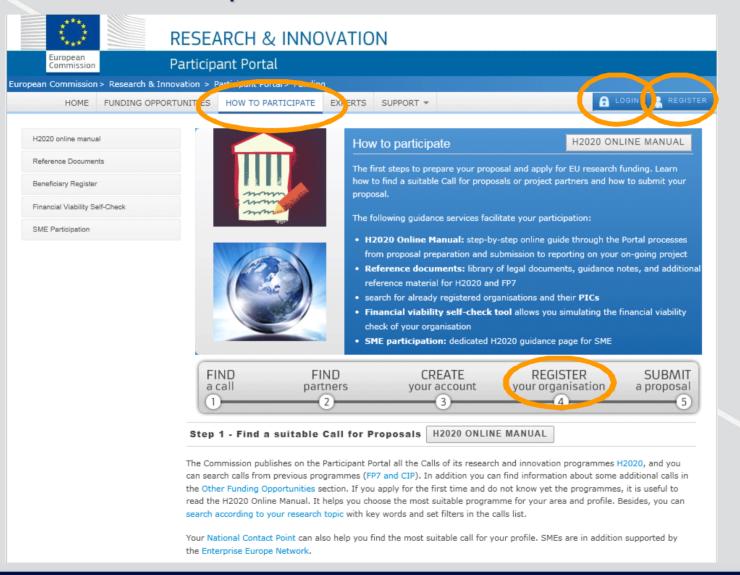


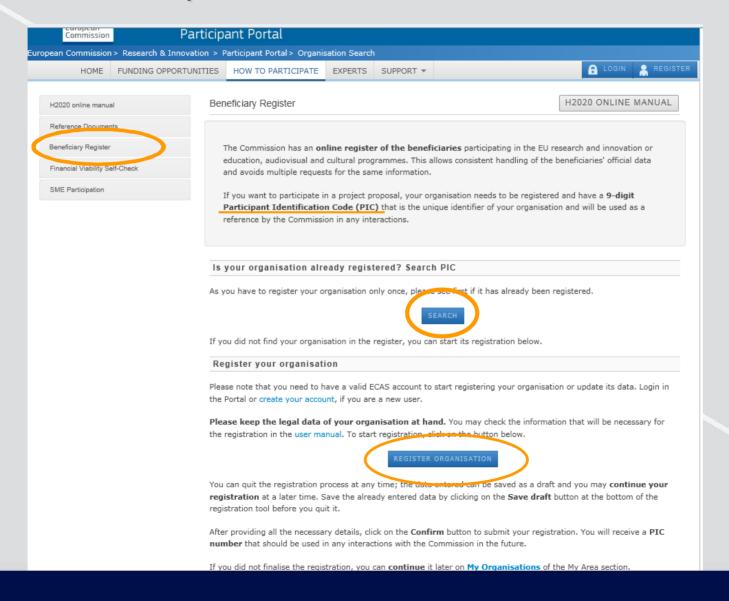




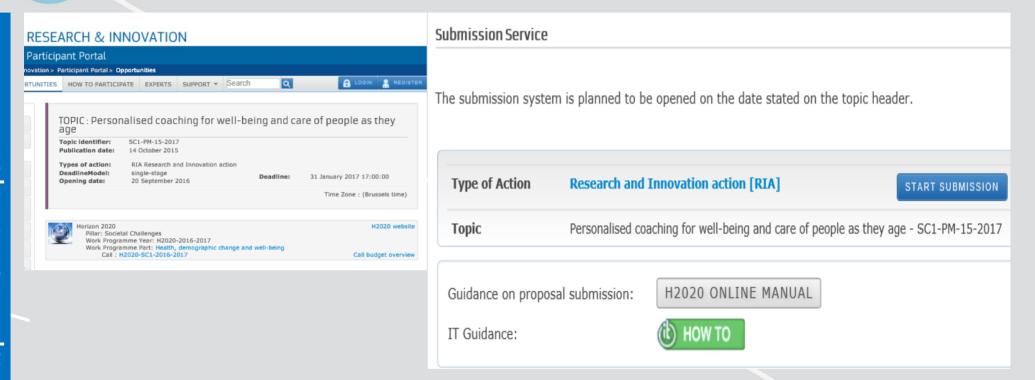




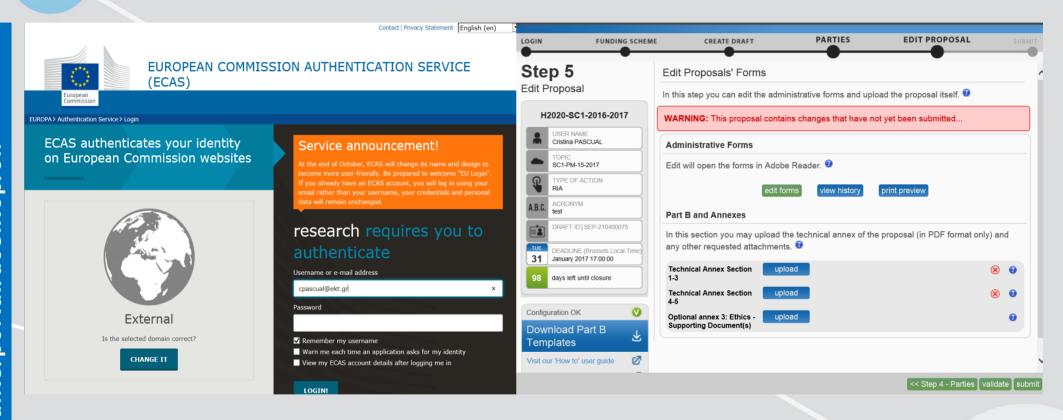
















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Type of action	Excellence The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme.	Impact The extent to which the outputs of the project should contribute at the European and/or International level to:	Quality and efficiency of the implementation The following aspects will be taken into account:
All types of action	Clarity and pertinence of the objectives; Credibility of the proposed approach.	The expected impacts listed in the work programme under the relevant topic	Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources; Complementarity of the participants within the consortium (when relevant); Appropriateness of the management structures and procedures, including

Evaluation sub-criteria for 1st-stage proposals





	Type of action	The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme.	The extent to which the outputs of the project should contribute at the European and/or International level to:	Quality and efficiency of the implementation The following aspects will be taken into account:
i	Research and innovation; Innovation; SME instrument	Soundness of the concept, including trans-disciplinary considerations, where relevant; Extent that proposed work is ambitious, has innovation potential, and is beyond the state of the art (e.g. groundbreaking objectives, novel concepts and approaches)	Enhancing innovation capacity and integration of new knowledge; Strengthening the competitiveness and growth of companies by developing innovations meeting the needs of European and global markets; and, where relevant, by delivering such innovations to the markets; Any other environmental and socially important impacts (not already covered above); Effectiveness of the	

Evaluation sub-criteria for 1st-stage proposals





H2020 Proposal Evaluation

- Evaluation criteria scored out of 5 (0.5 points allowed)
 - 0 The proposal fails to address the criterion under examination or cannot be judged due to missing or incomplete information = INELIGIBLE
 - 1 = Poor The criterion is unadequately 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 in question. Any shortcomings are minor.





- At least 3 experts (evaluators) per full proposal (often 5 or more)
- Experts in Ethical issues
- Independent Observers of the H2020 evaluation procedure
- Only first-stage proposals that are evaluated positively are invited to submit full proposal
- If below "individual" or "total-proposal" threshold, evaluation procedure stop and proposal is not retained for funding.
- Evaluation procedure at least 3 phases
 - «Individual evaluation»
 - «Consensus group»
 - «Panel review»





H2020 Time-to-Grant

Call-Deadline

max. 8 months

Signature
Grant Agreement

after 5 months
results of evaluation
known

Signature
Grant Agreement





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HORIZON 2020



National Representative

- Prof Theodore Fotsis
- University of Ioannina & Institute Biomedical Research –FORTH

Alternate National Representative

- Dr Sissy Kolyva
- Hellenic Pasteur Institute
- e-mail: s.kolyva@pasteur.gr

National Contact Points (NCPs)

- Dr S. Kolyba &Dr C. Pascual
- e-mail: <u>s.kolyva@pasteur.gr</u>; <u>cpascual@ekt.gr</u>



HORIZON 2020



HEALTH projects funded in FP7 & H2020:

 CORDIS Advanced Search: http://cordis.europa.eu/search/index.cfm?fuseaction=proj.advSearch

Partner Search Tools:

- Fit for Health 2.0: http://www.fitforhealth.eu
- Ideal-ist (eHealth): http://www.ideal-ist.eu/
- Enterprise Europe Network:
 http://www.enterprise-hellas.gr/ypiresia-aytomatis-enimerosis
 http://www.enterprise-hellas.gr/ereynitikes-synergasies



H2020 Key to Success-Useful initiatives & links

EC SC1 Information day (Brussels, Belgium – 08/07/2016)

http://ec.europa.eu/research/health/index.cfm?pg=newspage&item=160714

Exploitation Partnering event – MEDICA 2016
 https://www.b2match.eu/medica2016



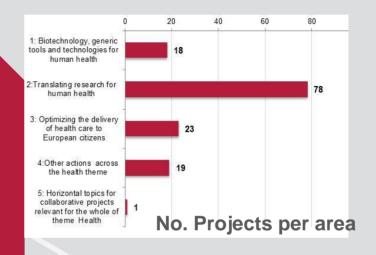


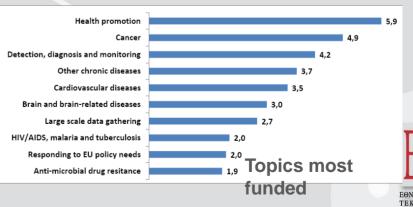
Greek Participation in FP7-HEALTH (2007-2013)



EC Financial Contribution - Greece 46,15 Mio €

- 27,37 Mio € for "Translating research for human health"
- 8,47 Mio € for "Optimizing the delivery of health care to EU citizens"
- 6,94 Mio € for "Biotechnology, generic tools & technologies for human health"
- 2,61 Mio € for "Other actions across the HEALTH theme"
- 0,76 Mio € for "Horizontal topics for collaborative projects relevant for the whole of theme HEALTH"

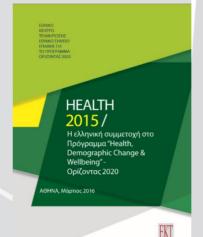




Greek Participation in H2020-SC1 2014 & 2015



	ΕΛΛΑΔΑ	ΣΥΝΟΛΟ			
Αριθμός προτάσεων	220 (251*)	1.821 (2.869*)			
Αριθμός συμμετοχών σε προτάσεις	328	12.055			
Αριθμός οργανισμών σε προτάσεις	123	5.109			
Αριθμός (Ελλήνων) συντονιστών σε προτάσεις	41 (72*)	1.821 (2.869*)			
Αιτούμενη χρηματοδότηση ΕΕ	€125.956.153	€5.930.368.720			
(*) Υπολογίζοντας και τους συντονιστές που υπέβαλαν στο πρώτο στάδιο της προκήρυξης H2020-PHC-2014-two-stage. Δεν υπολογίσουμε τις προτάσεις που είναι «ineligible» ή «withdrawn»					
Αριθμός εγκεκριμένων έργων	30 (a)	213			
Αριθμός συμμετοχών σε έργα	44	1.490			
Αριθμός οργανισμών σε έργα	28	977			
Αριθμός (Ελλήνων) συντονιστών σε έργα	4	213			
Εγκεκριμένη χρηματοδότηση ΕΕ	€16.906.855	€636.359.694			
(a) Χρηματοδοτήθηκε 1 έργο από το "reserved list"					
% επιτυχίας προτάσεων	13,6%	11,7%			
% επιτυχίας συμμετοχών	13,4%	12,4%			
% επιτυχίας συντονιστών	9,8 % (5,6%*)	11,7% (7,4%*)			
% επιτυχίας χρηματοδότησης ΕΕ	13,4%	10,7%			
% συνολικής χρηματοδότησης	2,7%				



ΕΛΛΑΔΑ	ΣΥΝΟΛΟ
240 (285*)	2.432 (4.006*)
392	13.893
149	5.661
43 (88*)	2.432 (4.006*)
(μοναδικοί 25)	(μοναδικοί 1.411)
€165.845.388	€8.170.208.322
	240 (265*) 392 149 43 (88*) (μοναδικοί 25)

(*) Υπολογίζοντας και τους συντονιστές που υπέβαλαν στο πρώτο στάδιο της προκήρυξης H2020-PHC-2015-two-stage. Δεν υπολογίσουμε τις προτάσεις που είναι «ineligible» ή «withdrawn»

Αριθμός εγκεκριμένων έργων	19	199
Αριθμός συμμετοχών σε έργα	30	1.280
Αριθμός οργανισμών σε έργα	20	876
Αριθμός (Ελλήνων) συντονιστών σε έργα	3	199
Εγκεκριμένη χρηματοδότηση ΕΕ	€11.445.960	€629.378.847

% επιτυχίας προτάσεων	7,9%	8,2%
% επιτυχίας συμμετοχών	7,7%	9,2%
% επιτυχίας συντονιστών	7% (3,4%*)	8,2% (5%*)
% επιτυχίας χρηματοδότησης ΕΕ	6,9%	7,7%
% συνολικής χρηματοδότησης	1,8%	



metrics.ekt.gr/el/node/34



H2020 Keys to Success

- Read Work Programme & Topic "Rules of the Game"
- Write for the evaluators (against evaluation criteria)
- Proposal has to be "self-contained"
- Take care of details / good presentation: the difference between winning & losing can be 0,5 points
- Write a good abstract: first impression counts



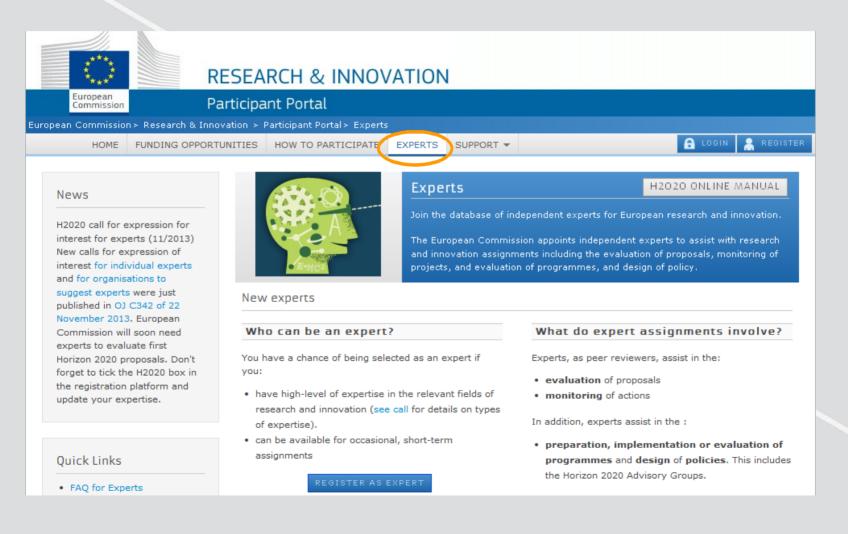


H2020 Keys to Success

- High-quality & multidisciplinary research proposals perfectly in line with the call
- Original, innovative, & ambitious research: be innovative in approaches, methodology, solutions....
- Contribution at EU & International level: proposals that solve a clear problem, address real needs
- Appropriate expertise
- Well-managed research
- Value for money



H2020 Keys to Success – Register as an Expert





H2020 Keys to Success - How to Start

- Define the problem (e.g. medical need)
- Identify the stakeholders & users (patients, industry, etc)
- Define
 - The requirements (e.g. drug, quality, state of the art)
 - Resources needed (costs, people, partners)
 - Identity risks (failure, competition,)
 - Work procedures (what, who, when, how, what if)
 - Implementation, Management structure
- Contact your National Contact Point!







Επικοινωνία

Σας ευχαριστώ για την προσοχή σας

Εθνικό Κέντρο Τεκμηρίωσης | www.ekt.gr

Helpdesk για το Horizon 2020 | Τηλ.: 210 7273925

- 7º Πρόγραμμα Πλαίσιο (ΕΚΤ): www.ekt.gr/fp7
- Ορίζοντας 2020: <u>www.ekt.gr/horizon2020</u>
- Enterprise Europe Network-Hellas: www.enterprise-hellas.gr
- OpenAire: www.openaire.eu
- Δείκτες Έρευνας & Καινοτομίας: http://metrics.ekt.gr/
- Research Infrastructures Observatory: http://observatory.euroris-net.eu

