



Horizon 2020: Where are we? How a H2020 call will be put together - the process and role of researchers, PCMs and NCPs

European Forum on Epilepsy Research

Dublin, 25th May 2013

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Foundation for Science and Technology | GPPQ - FP Promotion Office



FCT Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA

Disclaimer: the information on this presentation does not exempt the consultation of the official sources of information

What is behind Horizon 2020 | Political context



Priorities

Smart growth

Sustainable growth

Inclusive growth

Economic governance

7 flagship initiatives



What is behind Horizon 2020 | Political context

European Forum on Epilepsy Research | Dublin, 25 May 2013

EUROPE 2020
A European strategy for smart, sustainable and inclusive growth

Priorities

Smart growth

- Digital agenda for Europe
- Innovation Union
- Youth on the move

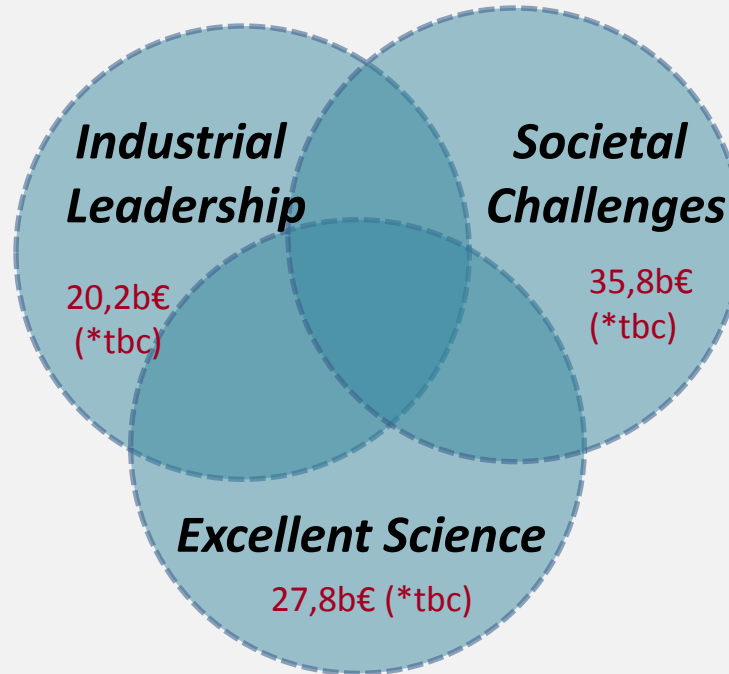


1 of the 7 flagship initiatives



Horizon 2020 (2014-2020) – Three mutually reinforcing priorities – 87,7b€* (“FP” + EIT+ CIP)

Strengthen industrial leadership in innovation. Includes major investment in key technologies, great access to capital and support for SMEs



Reflects the priorities of the EU 2020 strategy, addressing major concerns shared by all Europeans



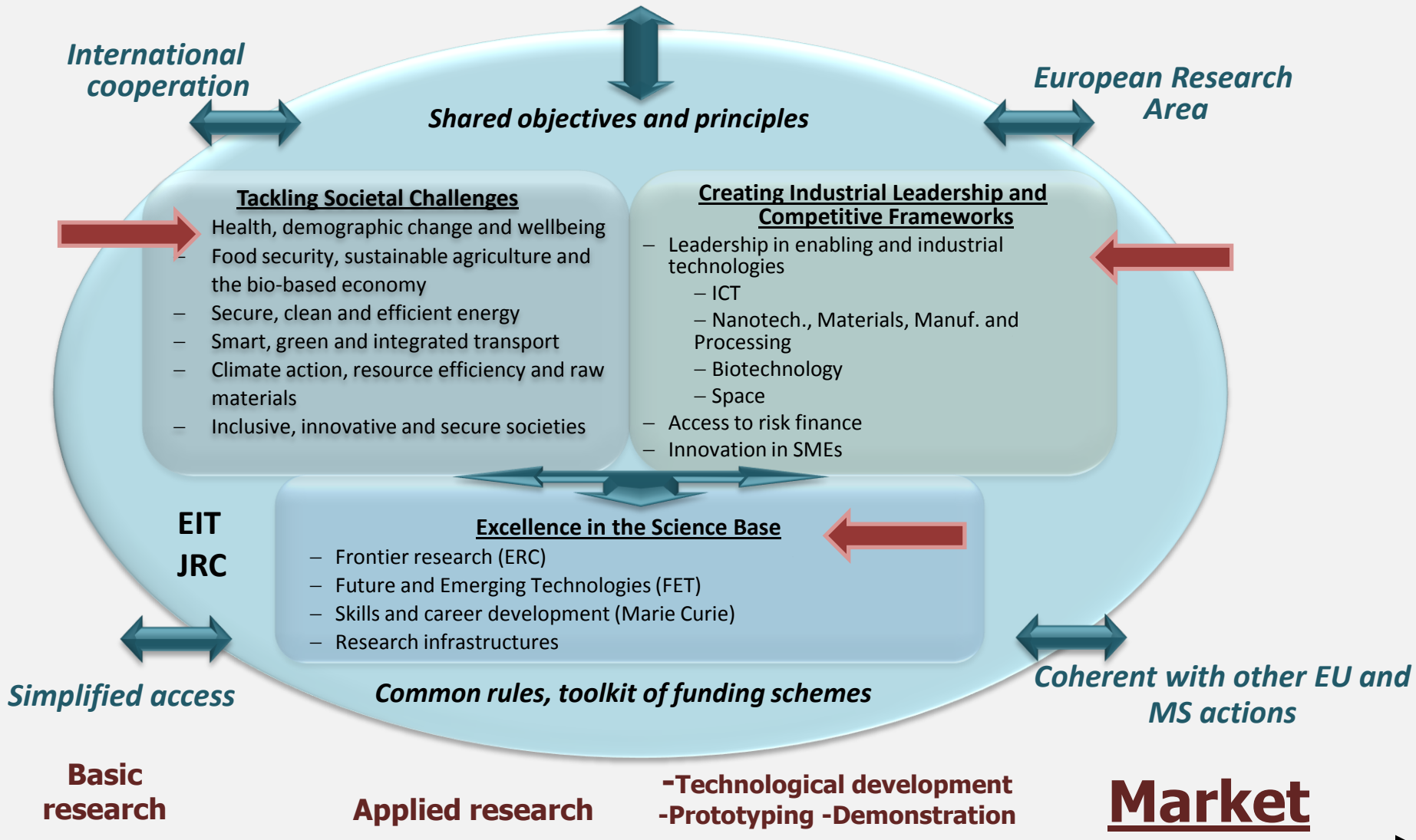
Support EU's position as a world leader in science, with an increase in funding to the European Research Council

<http://ec.europa.eu/research/horizon2020>

* EC proposal (Nov 2011)

Horizon 2020 (2014-2020) – Objectives and structure

Europe 2020 priorities



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Where are we in the preparation of Horizon 2020?

-  - Last year of FP7
-  - Horizon 2020 preparation



[2014-2020]

*Launch of
first calls
(Jan 2014)*

Adoption of legislative acts by Parliament and Council on Horizon 2020

*Workshops (Brussels)
Member States Consultation (Autumn)*

Draft of the first work programmes (Summer -tbc)

FP7 Health Programme Committee meeting (June 2013)

Draft Horizon 2020 Strategic Programme feb 2013

**EC proposal for H2020 (30 Nov. 2011)
under discussion with Member States and European Parliament**



SEVENTH FRAMEWORK
PROGRAMME
[2007-2013]

Thematic context – Strategic Programming (II)

2014	2015	2016	2017	2018	2019	2020
Strategic Programme						
Work Programme 1 (plus tentative information for 2016)		Strategic Programme				
		Work Programme 2 (plus tentative information for 2018)		Strategic Programme		
				Work Programme 3 (plus tentative information for 2020)		
						Work Programme 4

Work Programme 2+1: [2014-2015] + perspectives for 2016

Thematic sub-challenges (focus areas – maximum impact)

Portfolio of activities:

- coverage of the innovation cycle
- different perspectives (gender balance, socio-economic aspects, ICT, International cooperation, ...)
- Complementarities with other initiatives (Private-public and Public-Public partnerships, ...)

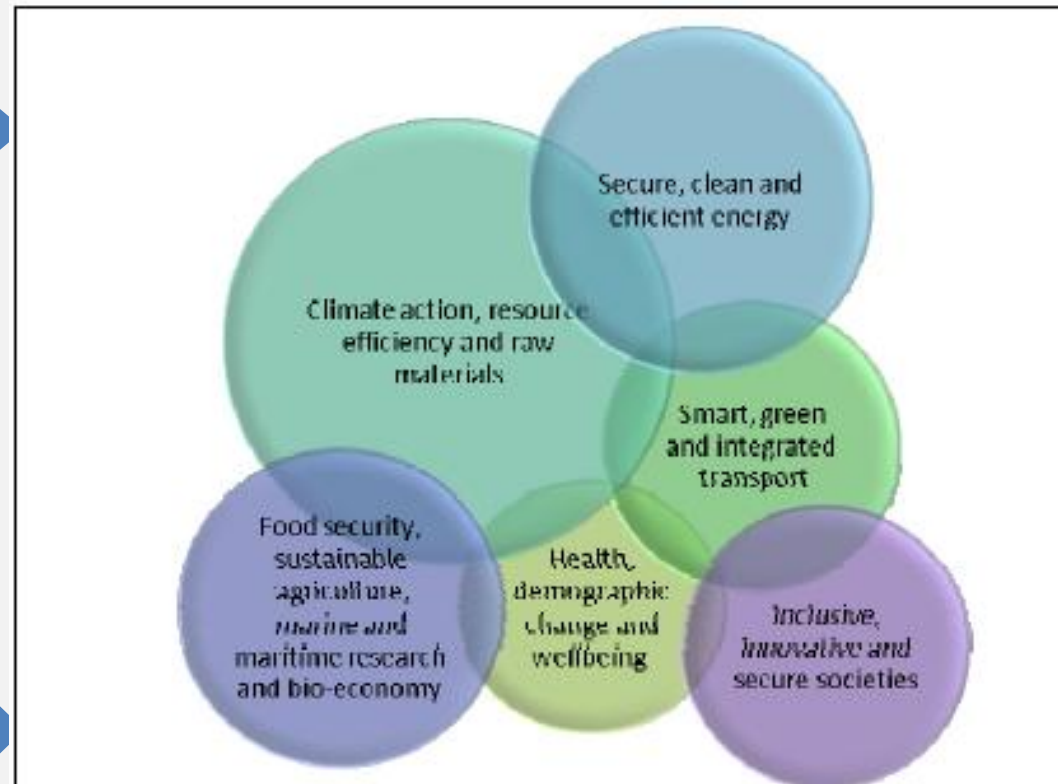
Thematic context – Strategic Programming (I)

Legal base

Strategic Programme for
2014-2016 calls

Horizon Groups

Figure 1: Interrelations between Grand Challenges


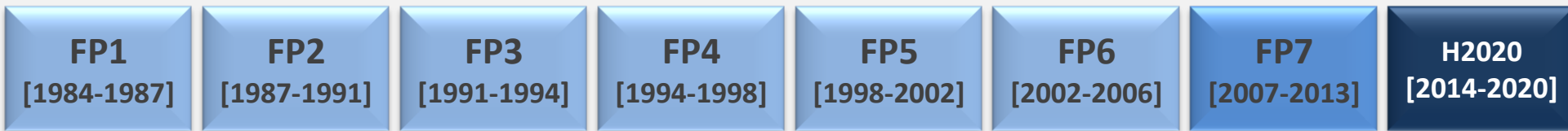


Work
programmes

Horizon 2020
Specific
Programme

Preparation of Horizon 2020

From FP7 to Horizon 2020



Learning from
experience
... But, bearing in
mind the intended
break from the past

How it works at European level

European fora (managed by EC)

*Advisory
Groups (AG)*

*ERAC
(ex-CREST)*

*Programme
Committee*

*National
Contact Points
(NCP)*

Activities

---- Expertise ----

---- Policy & strategy ----

*---- Management of Specific
programmes ----*

*---- Information, promotion of the
funding opportunities visibility,
advices, assistance, support, training,
signposting EC ----*

Member States | Associated Countries

*Individual
experts*

*National
Representatives*

*National
Delegates*

*NCP
systems*

How it works at European level ... in more detail

Advisory Groups (AG)

- Contribute to the European Union's vision and objectives /agenda of Horizon 2020
- Provide high quality and timely advice for the preparation of the Horizon 2020 calls for project proposals.

Experts for Horizon 2020 Advisory Groups: Call for expressions of interest:

http://ec.europa.eu/research/horizon2020/index_en.cfm?pg=h2020-experts

- Individual in their personal capacity – i.e. experts with outstanding knowledge in their areas acting independently and in the public interest, who cannot represent collective interests nor being affiliated with private organisations which may benefit from the work of the group;
- Individual representing a common interest shared by stakeholders in a particular policy area; they shall not represent an individual stakeholder, or
- Individual representing an organisation, in the broad sense of the word including companies, associations, Non-Governmental-Organisations, trade unions, universities, research institutes, international organisations.



How it works at European level ... in more detail

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Programme Committee (PC)

- Vote and agreement on the Commission's management of programmes (work programmes and proposals' negotiations results).

The H2020 Commitology (EC <-> PC) is still under negotiation

National Contact Points (NCP)

Guiding principles for setting up systems of National Contact Points (NCP systems) for FP7):

- ✓ Informing, awareness raising
- ✓ Advising (administrative procedures, legal and ethical issues, etc), assisting and training
- ✓ Signposting and Feedback (to Commission services, Community business support network, etc.)
- ✓ Support to the Programme Committee Members , namely as Experts of the National Delegations

Learning from FP7 experience: how the Framework Programme works

'The starting point is always the previous Framework Programmes and the results and evaluations of outputs'

'Results can continue to come in a long time after the project finishes, maybe three to five years or more, so you may not see the whole picture for some time.'

(Graham Stroud, Head of Unit for the Support for the Implementation of the Research Programmes, DG Research, July 2006)



Learning from FP7 experience: how were the Health Work Programmes (calls) prepared

Health Specific Programme (2006) + *RoadMap*

Inputs

European Policies

Bilateral and international agreements of the EU

EU Scientific Priorities

Strategic Research agendas
(e.g. Joint Technology Initiatives, European Innovation Partnerships)

Studies, Roadmaps

Continuity/
complementarities to projects portfolios of current/past FP projects,

Workshops, Conferences

Inputs from stakeholders

Analysis and Discussion
within the EC services

Annual work programmes

Proposal for the
annual
implementation
work programme

Programme
Committee

Call for
proposals

Advisory Groups



Learning from FP7 experience: involvement in the work programme preparation (I)

• **Who** can provide inputs for the WP?

Ministries, CP Members or any other stakeholder like institutions or individual researchers /entrepreneurs

• **When** should the inputs be submitted?

“Not too early and not too soon”, depending on the call planning

• **How?**

Through medium to long strategies (e.g. establishment of national and international coordinated networks, scientific conferences,, contacts with EU initiatives, *ETPs* and project coordinators, contacts with EC Scientific Officers within different EC Directorates, coordination with PC Delegations, through NCPs ,etc.)

• **Why?**

You already know the answer...



Learning from FP7 experience: inputs for work programmes (WP) (II)

Relevance criteria:

- ✿ European added value
- ✿ In scope with the Health Theme objectives
- ✿ Answer to European opportunities/ problems
- ✿ Relevance to European political and scientific needs
- ✿ Contribution to European commitments /external relations
- ✿ Matching other initiatives, FP7 funded projects
- ✿ Budget availability.

Reflect on the
input timing

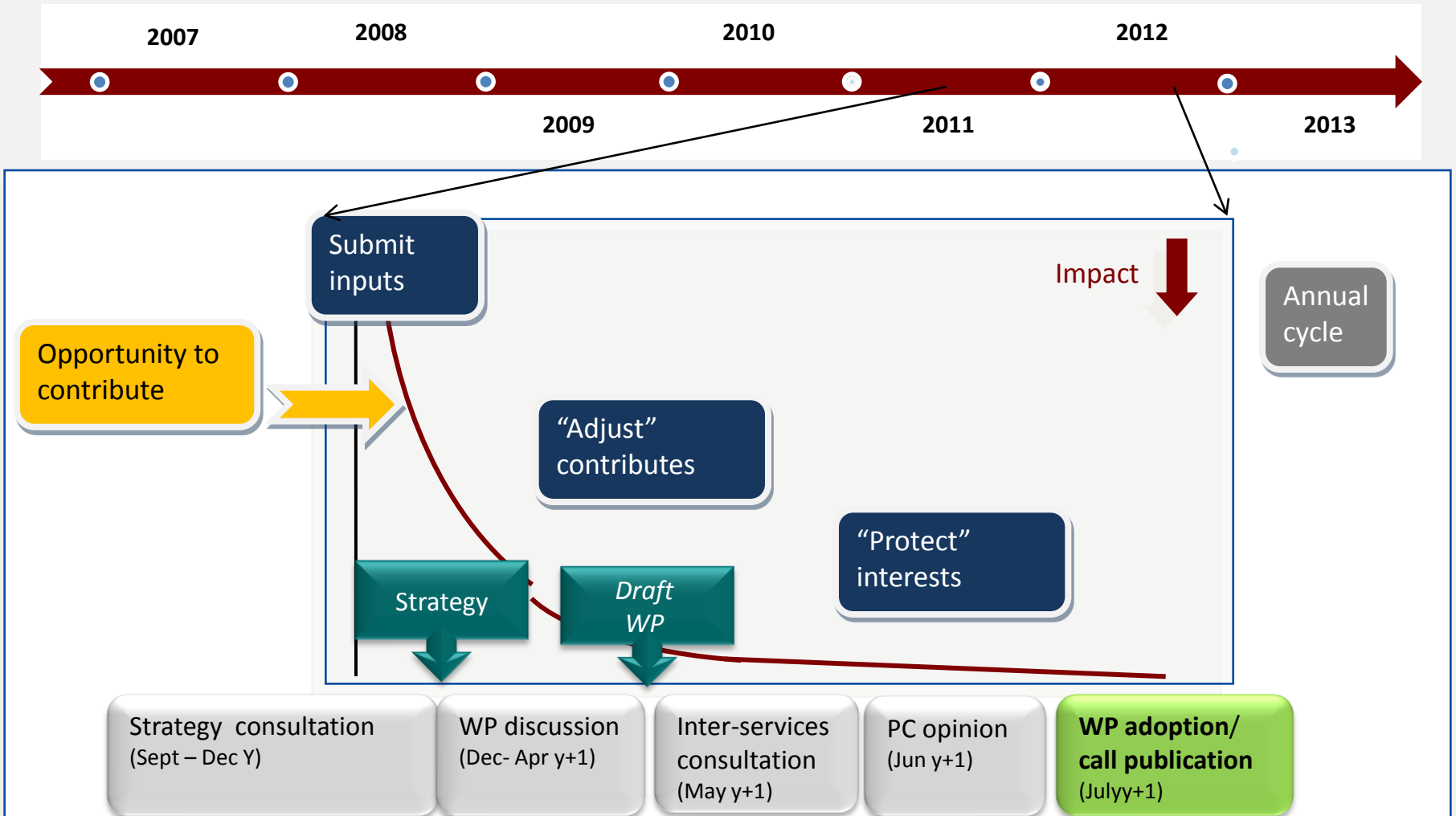
Relay with EU
/National
Programmes,
priorities

Identify R&I gaps

Propose sub-challenges areas (not “FP7 like topics”)

- ✿ Strategic importance to European competitiveness and growth
- ✿ Policy and other strategies support
- ✿ Critical action
- ✿ Support to global and/or regional challenges under EU responsibility.
- ✿ Support to the coordination of the European research ERA (including the socio-economic dimension).

Learning from FP7 experience: preparation of work programmes (WP) – annual cycle (II)





Commission Directory

EUROPA > European Commission > ... > Commission



Commission Directory

EUROPA > European Commission > ... > Commission > RTD

[Privacy](#) | [Lar](#)

Warning: The use of this infor

SEARCH BY NAME

SEARCH BY ORGANISATION CHART

SEARCH BY KEYWORD



++ RTD:Research and Innovation

+++ RTD.PA01:Principal Adviser "Research and Innovation Interface"

+++ RTD.PA02:Principal Adviser "Relations with Executive Agencies"

+++ RTD.ADV01:Adviser "Economics Aspects of Research and Innovation"

+++ RTD.ADV02:Adviser "Scientific Culture"

+++ RTD.ASS1:Assistant to the Director-General



++++ RTD.DDG3.F:Health

++++ RTD.DDG3.F.ADV01:Adviser "New strategic initiatives"

++++ RTD.DDG3.F.1:Horizontal aspects

++++ RTD.DDG3.F.2:Medical research

++++ RTD.DDG3.F.3:Infectious diseases and public health

++++ RTD.DDG3.F.4:Advanced therapies and systems medicine

++++ RTD.DDG3.F.5:Personalised medicine

++++ RTD.DDG3.F.6:Administration and finance

RCH BY ORGANISATION CHART

SEARCH BY KEYWORD

- RTD.DDG3.F.2.001

[Administrative Assistant](#)

[Scientific / Technical Project Officer](#)

[Head of Sector - Neuroscience](#)

[Project Assistant - EU policies - Policy and project assistant](#)

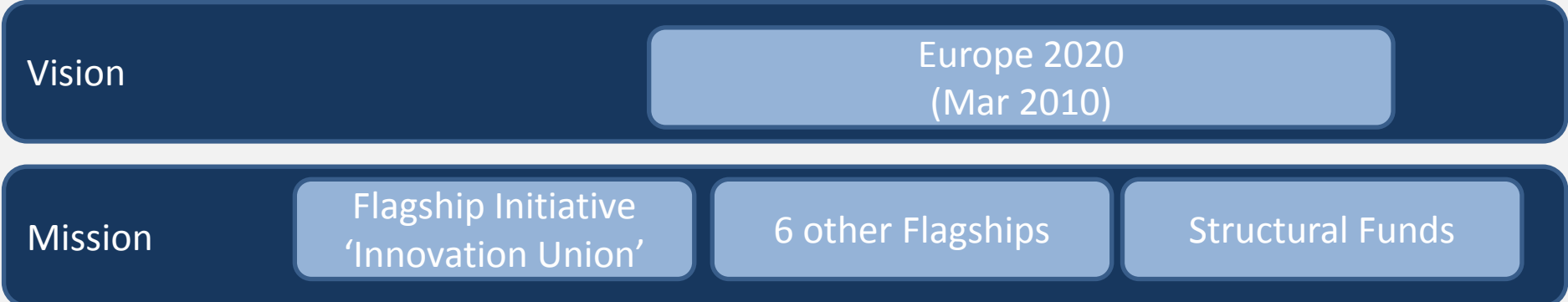
[Policy Analyst - Seconded National Expert](#)

Neuroscience

Mr P. CUPERS

[ie search](#)

Recalling Europe 2020 Strategy



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http://ec.europa.eu/research/innovation-union/index_en.cfm

Europe 2020 strategy >> Innovation Union >> European Innovation Partnerships (I)



Triple win for Europe:

- *enabling EU citizens to lead healthy, active and independent lives while ageing;*
- *improving the sustainability and efficiency of social and health care systems;*
- *boosting and improving the competitiveness of the markets for innovative products and services, responding to the ageing challenge at both EU and global level, thus creating new opportunities for businesses*

Increase the average healthy lifespan by two years by 2020.

3 Main areas:

prevention and health promotion

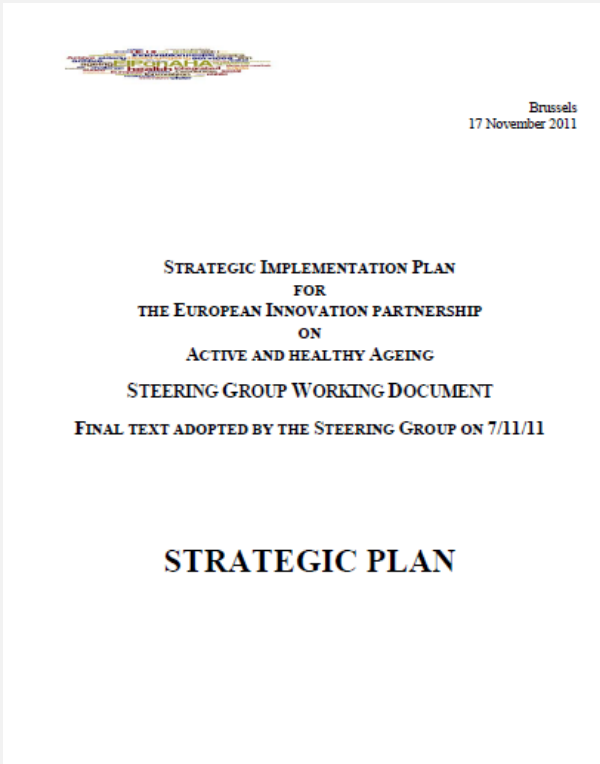
care and cure

active and independent living of elderly people

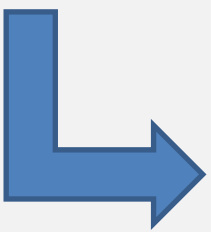
6 Action Groups:

- [Prescription and adherence action at regional level](#)
- [Falls Prevention](#)
- [Prevention of functional decline and frailty](#)
- [Integrated Care](#)
- [Independent Living](#)
- [Age-friendly Environments](#)

Europe 2020 strategy >> Innovation Union >> European Innovation Partnerships (II)



E.g. Of Implementation




Home > Initiatives > Ageing@Coimbra / University of Coimbra

Home Members Initiatives Funding Forum Documents Events News

About Initiative name Ageing@Coimbra / University of Coimbra

Initiative acronym Ageing@Coimbra

Member type

- Action Group Member

Relevant pillars and/or actions

- Health literacy, patient empowerment, ethics and adherence programmes, using innovative tools and services

Executive Summary

Coimbra is a reference region for Health in Portugal, owing to excellence of Research, Innovation and Care. The economic power of the Health sector in Coimbra is supported by Hospitals (University of Coimbra Hospitals); Private Clinics; UC (Faculties of Medicine, Science and Technology, Sport Sciences, Pharmacy; Interdisciplinary Research Institute - III); Research Units (Center for Neuroscience and Cell Biology- CNC/UC, Center for Social Studies, Biomedical Institute for Research on Light and Image-Association); Biomedical Law Institute, Technology Transfer and Innovation campus (BIOCANT, IPN) and Municipalities (Coimbra, Mealhada, Cantanhede). The goals of Ageing@Coimbra are supported by key strategic actions to improve the quality of life of elderly people (patient organizations and social networks), to improve adherence to prescription and to offer innovative solutions for remote detection of health events and status, particularly in Alzheimer's and Parkinson's Diseases, [Epilepsy](#), Cognition, Cardiovascular and Diabetes. Stakeholders are and will continue to promote articulated actions to comply with the goals of Ageing@Coimbra, under the coordination of [UC](#), affiliated research units and spin-off companies. Strategic programs and initiatives are integrated in regional innovation ecosystems, DHMS (Healthcare and Medical Solutions Development program), Willuso (wellbeing program involving thermal facilities), amongst others.

Keywords Ageing Well at Home/Independent Living

EU research and Innovation landscape – Epilepsy Research



RESEARCH & INNOVATION
Health

European Commission > Research & Innovation > Health > Medical Research

Brain Research
Human development and ageing
Cancer
Cardiovascular diseases
Diabetes and obesity
Rare Diseases
Severe Chronic Diseases

General Info | **Calls Info** | **Highlights**

» **European Month of the Brain | May 2013**

Medical research in the European Union

One of the objectives of the European Union is to improve the health of European citizens and boost the competitiveness of health-related industries and businesses, while addressing global health issues.

Therefore the EU fosters medical research at the European level. The main EU tools for funding research are framework programmes for research and technological development (FPs). They fund research at a transnational level and are designed to structure and integrate European-wide research, as well as build a 'critical mass' of expertise and excellence.

In the field of medical research the [Seventh Framework Programme \(FP7; 2007-2013\)](#) supports the following areas:

- [brain research](#) and related diseases,



EUROPEAN COMMISSION
European Research Area

Brain Research
EU Funding
(2002-2009)

PROJECT SYNOPSSES

EU research and Innovation landscape – Epilepsy Research (examples)



Welcome to HealthCompetence

This website includes all projects related to life science and health supported by the European Commission since 2004. It gives visibility to organisations and scientists involved in these projects and, together with interactive search devices, facilitates the identification of potential collaboration partners and the set up of partnerships between academia and industry in health research.

HealthCompetence will also progressively give access to the research results in terms of technology offers, patents and publications.



Simple Search

Search



Project Search

find Projects by research field, country and more

Go >>



Person Search

find Organisations and Persons

Go >>



EpiPGX - Epilepsy Pharmacogenomics: delivering biomarkers for clinical use



EPICURE - Functional Genomics and Neurobiology of Epilepsy: a basis for new therapeutic strategies

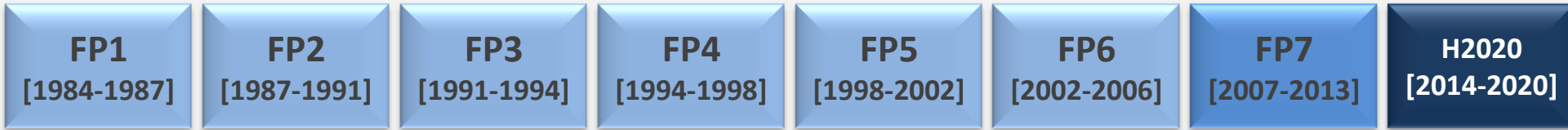


ARMOR - Advanced multi-parametric Monitoring and analysis for diagnosis



EPILEPSIAE - Evolving Platform for Improving Living Expectation of Patients Suffering from Ictal Events (PT coordination)

Preparing for Horizon 2020 (I)



- ❖ **Large PPP in RTD & Innovation will continue into H2020**
 - ❖ *Participate actively in consultations related to H2020 (e.g. Public-Private Partnerships)*
 - ❖ *Get involved in the European Innovation Partnership on Active and Healthy Ageing and on the EIT's Knowledge Innovation Community expectably launched on this area in 2014*
 - ❖ **Integrate** *European networks, invest on top level collaborations*

- ❖ **Market oriented topics under Societal Challenges | Basic research mainly funded under future ERC and FET**
 - ❖ **Change** *your mindset for searching the right funding opportunities and adapt to the new upcoming reality*
 - ❖ **Contribute** *to the discussion of the EU funding landscape*





Before Horizon
2020 launch

HORIZON 2020

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

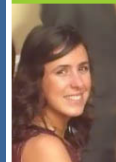
Continuity vs. BREAK FROM THE PAST

socio-economy
research
business
advisory
groups
one-stop-shop
JTI (IMI)
partnerships
structural funds
competitiveness
innovation
market
single set of rules
ERA
risk
simplification
partnering
SME
KIC (EIT)
impact
EIP
synergies
industry
Internacionalization
Excellence
JPI
International cooperation



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and Alternate Delegate of Innovative
Medicines Initiative SRG
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SAÚDE | ALIMENTAÇÃO, AGRICULTURA E PESCAS, E BIOTECNOLOGIA
INICIATIVA TECNOLÓGICA CONJUNTA SOBRE MEDICAMENTOS INOVADORES
QUESTÕES LEGAIS E FINANCEIRAS (TRANSVERSAL A TODOS OS TEMAS)



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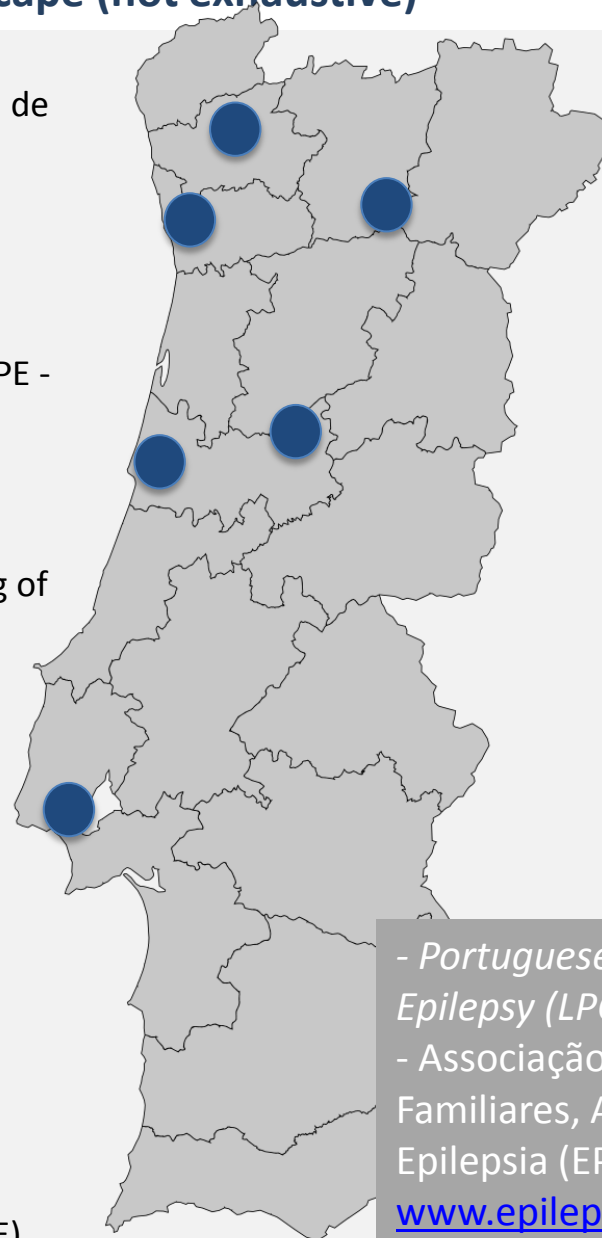
SAÚDE | ALIMENTAÇÃO, AGRICULTURA E PESCAS, E BIOTECNOLOGIA
INICIATIVA TECNOLÓGICA CONJUNTA SOBRE MEDICAMENTOS INOVADORES




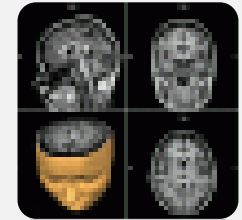
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Snapshot on Portuguese R&I epilepsy landscape (not exhaustive)

- **University of Minho (BIN)**
 - Unidade Local de Saúde de Alto Minho, EPE - Hospital de Santa Luzia
- **University of Porto (UP) (BIN)**
 - Hospital de S. João
 - Hospital Geral de Santo António
- Centro Hospitalar de Trás-os-Montes e Alto-Douro, EPE - Hospital de São Pedro - Serviço de Neurologia
- University of Beira Interior (UBI)
- **University of Aveiro (UA) (BIN)**
 - Institute of Electronics and Telematics Engineering of Aveiro (IEETA)
 - BIAL - Portela & C^a., S.A
- **University of Coimbra (UC) (BIN)**
 - Faculty of Science and Technology (CISUC) 
 - Centro Hospitalar e Universitário de Coimbra
 - IBILI - Institute for Biomedical Imaging and Life Sciences (Faculty of Medicine)
 - Center for Neuroscience and Cell Biology of UC
- Hospital de Sta Maria
- Institute of Molecular Medicine (Neurological Clinical Research Unit)
- Fundação da Faculdade de Ciências (FFC/FC/UL)
- Centro de Investigação e Intervenção Social (CIS/ISCTE)



 Basic and/or clinical research (incl. clinical trials sites)



Brain Imaging Network (BIN)
Access to MRI equipment in the area of Brain Functional Imaging and high density electrophysiology

- Portuguese League Against Epilepsy (LPCE)
- Associação Portuguesa de Familiares, Amigos e Pessoas com Epilepsia (EPI)
www.epilepsia.pt