



Programmes européens Horizon 2020 : quelles opportunités pour la recherche dans les domaines de la santé, de l'autonomie et de la qualité de vie ?

16 mars 2016

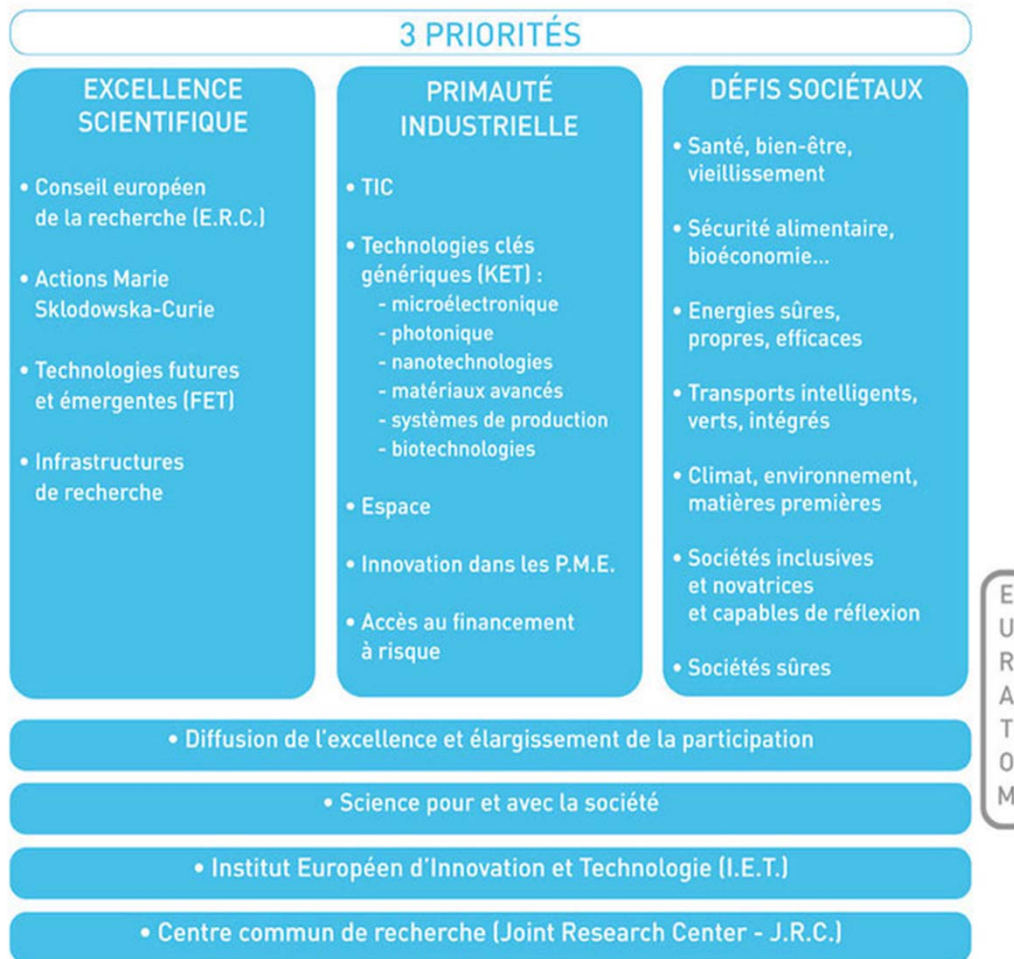
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Cadre général – Horizon 2020

Le programme Horizon 2020 (2014-2020)



- **€77Mds (2014-2020)**
- **↗27% (2007-2013)**

Les types de projet

Type d'action	Objectif	Taux de co-financement		Eligibilité
RIA: Research & Innovation Action	Projet de recherche collaboratif	100%	100%	au moins 3 entités légales , établies dans des pays (membres de l'U.E. ou associés) différents (*)
IA: Innovation Action	Projet collaboratif de démonstration, mise au point,... TRL>4	100%	70% entreprise	au moins 3 entités légales , établies dans des pays (membres de l'U.E. ou associés) différents (*)
CSA: Coordination & Support Action	Mesures d'accompagnement et de réseautage (normalisation, dissémination, sensibilisation...)	100%		au moins 1 entité légale , établies dans un pays membre de l'U.E. ou associé (*)
FTI (Fast Track Innovation)	Projet innovation – commercialisation rapide des résultats 36 mois après le démarrage du projet – projet de 1 à 2 ans – bottom-up approach	100%	70% entreprise	3 à 5 partenaires max. Les entreprises (grands groupes et PME) y auront une place prépondérante (60% du budget du projet Ou être majoritaires dans le consortium)
SME	Etude d'opportunité (phase 1) ou action de démonstration (phase 2) – bottom-up approach	70%		au moins 1 PME , réservé aux PME dans des pays membres de l'U.E. ou associés.



Dans la thématique ICT Internet des Objets Deadline 12 avril 2016

- ❑ **IoT Pilot 1: Smart living environments for ageing well**
- ❑ The objective is to deploy innovative and user-led pilot projects capable of supporting and extending independent living at home for older adults based on Internet of Things (IoT) technologies. The smart living environments should be based upon an integrated system of a range of IoT-based technologies and services with user-friendly configuration and management of connected technologies for homes and outside.



Dans la thématique ICT Big Data Deadline 12 avril 2016

- **Big Data PPP: Large Scale Pilot actions in sectors best benefitting from data-driven innovation**
- The challenge is to stimulate effective piloting and targeted demonstrations in large-scale sectorial actions ("Large Scale Pilot actions"), in data-intensive sectors, involving key European industry actors. The Large Scale Pilot actions are meant to serve as best practice examples to be transferred to other sectors and also as sources of generic solutions to all data intensive sectors. Possible industrial sectors for Large Scale Pilot actions include (but are not limited to) health, energy, environment, earth observation, geospatial, transport, manufacturing, finance and media.

Dans la thématique ICT, Robotics & Autonomous systems

Deadline le 25 avril 2017

□ ICT-25-2016-2017: Advanced robot capabilities research and take-up

- ✓ RIA : Open generic technology, developing RAS building blocks in the form of key technical capabilities, market-led prototypes involving end-users (systems development; interaction; mechatronics and perception/navigation/cognition)
- ✓ IA : Deployment prospects of RAS through end-user-driven application developments, where the gap represents a challenging market entry barrier



Dans la thématique ICT Innovation pour les PME (Appels tous les 3 mois)

- ❑ **Instrument PME, Open Disruptive Innovation, phase 1 et phase 2**
- ❑ The challenge is to provide support to a large set of high risk innovative Startups and SMEs in the ICT sector. Focus will be on companies proposing disruptive ICT concepts, products and services applying new sets of rules, values and models which ultimately create new markets (e.g. by tackling non consumption) or disrupt existing markets.

Dans la thématique advanced materials and nanotechnologies for health care

(27 octobre 2016 et second stage 04 mai 2017, 19 janvier 2017)

- NMBP-12-2017:Development of a reliable methodology for better risk management of engineered biomaterials in Advanced Therapy Medicinal Products and/or Medical Devices (27 Octobre 2016 et second stage 04 mai 2017)
- NMBP-14-2017:Regulatory Science Framework for assessment of risk benefit ratio of Nanomedicines and Biomaterials (27 octobre 2016 et second stage 04 mai 2017)
- NMBP-15-2017:Nanotechnologies for imaging cellular transplants and regenerative processes in vivo (27 octobre 2016 et second stage 04 mai 2017)
- NMBP-13-2017:Cross-cutting KETs for diagnostics at the point-of-care (19 janvier 2017)
- NMBP-16-2017:Mobilising the European nano-biomedical ecosystem (19 janvier 2017)



Dans la thématique Santé Innovation pour les PME (appels tous les 3 mois)

- ❑ **Instrument PME, Accelerating market introduction of ICT solutions for Health, Well-Being and Ageing Well, phase 1 et phase 2**
- ❑ The challenge is to help overcome the current gaps in exploitation of promising research results in ICT for Health, Well-being and Ageing well and to stimulate increased availability and market uptake of relevant ICT products and services This concerns both interoperable and secure eHealth solutions for consumers and institutional healthcare delivery building on standards and new ICT solutions and innovation ecosystems for ageing well building on open software platforms, in order to deliver new and more efficient care to European citizens and respond to new market opportunities for SMEs.



Dans la thématique Projets Innovation rapide (appels tous les 4 mois en 2016)

- ❑ **Fast Track Innovation (3 à 5 partenaires), bottom-up approach, commercialisation rapide des résultats (au plus tard 3 ans après le démarrage du projet)**
- ❑ FTI Pilot action aims to accelerate this commercialisation process by providing extended funding opportunities through an open and agile scheme nurturing bottom-up ideas from innovative constituencies across Europe.



Appel conjoint Japon, robotique santé

Deadline le 12 avril 2016

- ❑ **SC1-PM-14-2016:EU-Japan cooperation on Novel ICT Robotics based solutions for active and healthy ageing at home or in care facilities.**
- ❑ The call will address joint research and innovation proposals for developing and demonstrating advanced ICT Robotics based solutions for extending active and healthy ageing in daily life. Proposals should build on advances in this domain, and should combine multi-disciplinary research involving behavioural, sociological, health and other relevant disciplines. Characteristics of the solutions developed should be their modularity, cost-effectiveness, reliability, flexibility in being able to meet a range of needs and societal expectations, applicability to realistic settings, safety and acceptability to end-users

Appels Santé, personalised medicine

Deadline le 13 avril 2016

- ❑ SC1-PM-21-2016 : Implementation research for scaling-up of evidence based innovations and good practice in Europe and low- and middle-income countries ;
- ❑ SC1-PM-11-2016-2017 : Clinical research on regenerative medicine ;
- ❑ SC1-PM-09-2016 : New therapies for chronic diseases ;
- ❑ SC1-PM-06-2016 : Vaccine development for malaria and/or neglected infectious diseases ;
- ❑ SC1-PM-05-2016 : The European Human Biomonitoring Initiative ;
- ❑ SC1-PM-04-2016 : Networking and optimising the use of population and patient cohorts at EU level ;
- ❑ SC1-PM-01-2016 : Multi omics for personalised therapies addressing diseases of the immune system
- ❑ SC1-HCO-06-2016 : Towards an ERA-NET for building sustainable and resilient health system models ;
- ❑ SC1-HCO-05-2016 : Coordinating personalised medicine research ;
- ❑ SC1-HCO-04-2016 : Towards globalisation of the Joint Programming Initiative on Antimicrobial resistance ;
- ❑ SC1-HCO-02-2016 : Standardisation of pre-analytical and analytical procedures for in vitro diagnostics in personalised medicine ;
- ❑ SC1-HCO-01-2016 : Valorisation of FP7 Health and H2020 SC1 research results.



Appels Santé, personalised medicine

Deadline 4 octobre 2016 (11 avril 2017, 2nd stage)

- SC1-PM-02-2017:New concepts in patient stratification
- SC1-PM-07-2017:Promoting mental health and well-being in the young
- SC1-PM-08-2017:New therapies for rare diseases
- SC1-PM-10-2017:Comparing the effectiveness of existing healthcare interventions in the adult population

Appels Santé, personalised medicine

Deadline 31 janvier 2017 et 14 mars 2017

☐ 31 janvier 2017

- ☐ SC1-PM-15-2017: Personalised coaching for well-being and care of people as they age on

☐ 14 mars 2017

- ☐ SC1-PM-16-2017: In-silico trials for developing and assessing biomedical products
- ☐ C1-PM-17-2017: Personalised computer models and in-silico systems for well-being
- ☐ SC1-PM-19-2017: PPI for uptake of standards for the exchange of digitalised healthcare records

Appels Santé, personalised medicine

Deadline le 11 avril 2017

- SC1-HCO-03-2017:Implementing the Strategic Research Agenda on Personalised Medicine
- SC1-HCO-07-2017:Global Alliance for Chronic Diseases (GACD)
- SC1-HCO-08-2017:Actions to bridge the divide in European health research and innovation
- SC1-PM-03-2017:Diagnostic characterisation of rare diseases
- SC1-PM-20-2017:Development of new methods and measures for improved economic evaluation and efficiency measures in the health sector



The 2016 Call for Commitments of the European Innovation Partnership on Active and Healthy Ageing (Deadline April 15)

What is EIP ?

- ❑ The concept of European Innovation Partnerships (EIPs) is a new approach to EU research and innovation. It **brings together all relevant actors at EU, national and regional levels across different policy** areas to handle with specific societal challenges and involves all the innovation chain levels. **The EIP in the field of Active and Healthy Ageing was the first EIP created in 2011.**
- ❑ New "**Call for Commitments**" inviting organisations from all over the world, involved in developing, promoting or deploying / implementing innovative solutions for active and healthy ageing, to come forward with projects and initiatives that they will implement in the coming 3 years, which are relevant and can clearly contribute to the goals and action plans of the existing EIP strategy

Why participating?

- Cooperation with European partners
- Visibility of your activities
- Exchange of best and innovative practices
- Finding new partners / solutions / markets, contribution to a joint European approach
- Ultimately, promotion of active and healthy ageing, and that can help you succeed in reaching your own objectives

6 working groups

□ Becoming a partner of the EIP on AHA is not subject to any fees or financial contribution. All work carried out by the partners of the EIP on AHA is purely on an in-kind basis.

1. Adherence to prescription and medical plans
2. Personalized health management and prevention of falls
3. Prevention of functional decline and frailty
4. Replicating and tutoring integrated care for chronic diseases
5. Development of interoperable independent living solutions
6. Innovation for age friendly buildings, cities and environments



Liens

■ Horizon 2020

- <http://www.horizon2020.gouv.fr/>
- <https://ec.europa.eu/programmes/horizon2020/>

■ EIP

- <http://ec.europa.eu/eip/ageing/>
- <https://ec.europa.eu/eip/ageing/commitments-tracker/add> (ECAS Account)

■ ECAS, registration see this video

<https://www.youtube.com/watch?v=1jkLGRAEaDo>