

A graphic for "Horizon 2020" featuring a glowing blue background with a central globe of Earth. The text "HORIZON 2020" is written in large, white, sans-serif capital letters, with the globe acting as the letter 'O'. Below it, the text "and OSH Research" is written in a smaller, white, sans-serif font.

# HORIZON 2020

and OSH Research

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Health Directorate

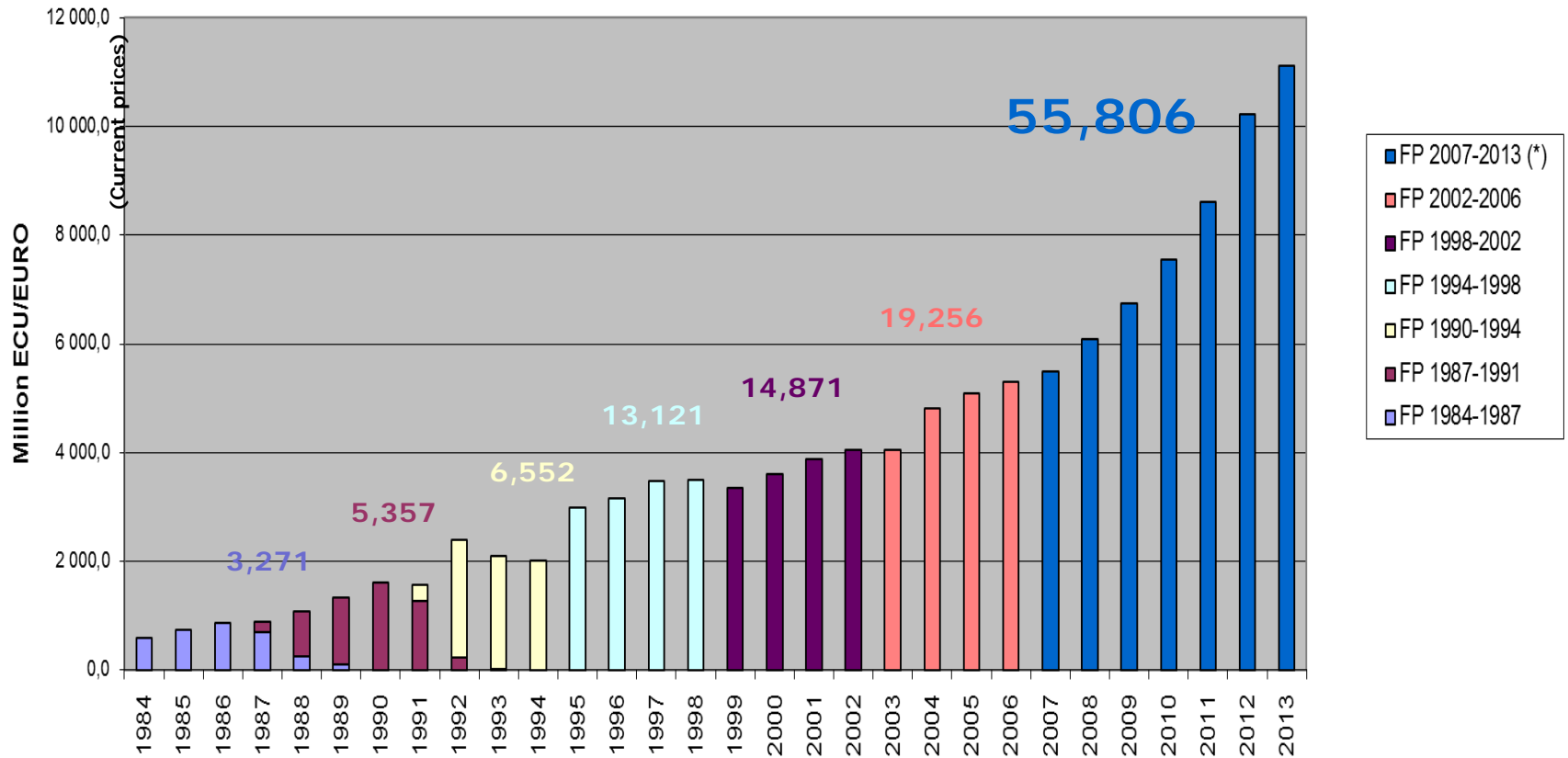
Moving towards 2020 - Priorities for occupational safety and health (OSH) research in Europe for the years 2013-2020 - Brussels, 9-10 October 2013



- ❖ Previous EU Research Framework Programmes
- ❖ Horizon2020: structure, first call
- ❖ Comment on OSH priorities



## Development of Community research - commitments



# Previous EU Research Framework Programmes addressing environmental and occupational health and safety related issues



**Supporting research and innovation, making research policy**

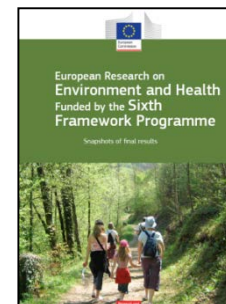
**Environment Directorate**

**Health Directorate**

**Research Framework programmes**

**Biotechnologies, Agriculture, Food Directorate**

**Industrial Technologies Directorate**



## Most frequent participating institutions in FP7 E&H projects



Participant	Nb projects
Joint Research Centre, Ispra, IT	36
National Institute for Public Health and the Environment (RIVM), Bilthoven, NL; Karolinska Institute, SE	22
Helmholtz Research Centre for Environmental Health, Munich, DE	20
Institute of Occupational Medicine, Edinburgh, UK	19
Utrecht University, NL; Imperial College of Science, Technology and Medicine, London, UK	18
Technical University of Denmark, Kongens Lyngby, DK; National Health Institute (ISS), Rome, IT; Institute of Applied Scientific Research (TNO), NL; Centre for Research on Environmental Epidemiology (CREAL), Barcelona, ES	14
Nuclear Energy Commission (CEA), FR; Ludwig-Maximilians University, Munich, DE	12
National Institute for Health and Welfare (THL), FI; Health protection Agency, UK; Norwegian Institute for Air Research (NILU), Kjeller, NO	11
Institute of Occupational Health, Helsinki, FI; Wageningen University, NL; Spanish National Research Council (CSIC), Barcelona; Swiss Federal Laboratories for Materials Testing and Research, CH; National Research Centre for the Working Environment, Copenhagen, DK	10



❖ **Commission proposal for a 80 billion euro research and innovation funding programme (2014-2020)**

**→ 79.4 billion agreed – but R&I only spending area to increase significantly**

❖ **A single programme bringing together three separate programmes/initiatives**

❖ **Coupling research to innovation – from research to retail, all forms of innovation**

❖ **Focus on societal challenges facing EU society, e.g. health, clean energy and transport**

❖ **Simplified access, for all companies, universities, institutes in EU countries and globally.**



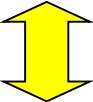


- ❖ **A strong challenge-based approach, allowing applicants to have considerable freedom to come up with innovative solutions**
- ❖ **Less prescription, strong emphasis on expected impact**
- ❖ **Broader topics**
- ❖ **Simplified list of possible types of action (e.g., research and innovation -100%; innovation actions - 70%,...)**
- ❖ **Cross-cutting issues mainstreamed (e.g., social sciences, gender, international...)**



European Commission

Europe 2020 priorities

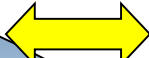


Shared objectives and principles  
Common rules, toolkit of funding schemes

International cooperation



European Research Area



Societal Challenges

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research and the bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and secure societies

OSH

Industrial Leadership

- Leadership in enabling and industrial technologies (ICT, nanotechnologies, advanced materials, biotechnology and advanced manufacturing and processing)
- Access to risk finance
- Innovation in SMEs

OSH

OSH

Excellent Science

- European Research Council
- Future and emerging technologies
- Marie Curie actions on skills, training and career development
- Research infrastructures

OSH

Simplified access



Dissemination & knowledge transfer



Supporting the objectives:

European Institute for Innovation and Technology  
Joint Research Centre





### Health challenge

- ❖ PHC 1 – 2014 - Understanding health, ageing and disease: determinants, risk factors and pathways
- ❖ PHC 3 – 2015 - Health promotion and disease prevention: improved inter-sector co-operation for environment and health based interventions
- ❖ PHC 21 – 2014 - Developing and comparing new models for safe and efficient, prevention oriented, health and care systems
- ❖ PHC 23 – 2015 - Advanced ICT systems and services for integrated care
- ❖ PHC 25 – 2015 - Self-management of health and disease: decisional support systems and patient empowerment supported by ICT
- ❖ PHC 29 – 2014 - Foresight for health policy development and regulation

### Other areas

- ❖ OSH-relevant topics also under 'Smart, green and integrated transport', 'Climate action, environment, resource efficiency and raw materials', and 'Leadership in enabling and industrial technologies' (ICT and nanotechnologies)

\*Subject to change



- ❖ **Calls to be published in December 2013 at <https://ec.europa.eu/research/participants/portal/page/home>**
- ❖ **Pre-publication of the workprogramme (topics)?**
- ❖ **Deadline for applications in Q1 of 2014**



	Coverage in	
	Previous FPs	Horizon2020 (est.)
<b>5.1 The economic dimension of occupational safety and health</b>	+	+/-
<b>5.2 Demographic change — sustainable work for healthier and longer working lives</b>	+	+
<b>5.3 Globalisation and the changing world of work</b>	-	+/-
<b>5.4 OSH research for safe new technologies</b>	+	+
<b>5.5 New or increasing occupational exposure to chemical and biological agents</b>	++	++



- ❖ **Many OSH-relevant projects have been funded by the previous research Framework Programmes**
- ❖ **OSH-relevant issues are embedded in many topics proposed for the first call of Horizon2020 (transversal issue)**
- ❖ **Many of the research priorities listed in the EU-OSHA document are similar or identical to those identified by the Commission services during the preparations of Horizon2020**



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

[http://ec.europa.eu/research/health/index\\_en.html](http://ec.europa.eu/research/health/index_en.html)