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
The past: Framework Programmes 1984-2013

Development of Community research - commitments

Million ECU/EURO (Current prices)

- 55,806
- 19,256
- 14,871
- 13,121
- 6,552
- 5,357
- 3,271


Legend:
- FP 2007-2013 (*)
- FP 2002-2006
- FP 1998-2002
- FP 1994-1998
- FP 1990-1994
- FP 1987-1991
- FP 1984-1987
Previous EU Research Framework Programmes addressing environmental and occupational health and safety related issues

Supporting research and innovation, making research policy

Environment Directorate

Biotechnologies, Agriculture, Food Directorate

Industrial Technologies Directorate

Research Framework Programmes

Research and Innovation
<table>
<thead>
<tr>
<th>Participant</th>
<th>Nb projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joint Research Centre, Ispra, IT</td>
<td>36</td>
</tr>
<tr>
<td><strong>National Institute for Public Health and the Environment (RIVM), Bilthoven, NL</strong> Karolinska Institute, SE</td>
<td>22</td>
</tr>
<tr>
<td>Helmholtz Research Centre for Environmental Health, Munich, DE</td>
<td>20</td>
</tr>
<tr>
<td><strong>Institute of Occupational Medicine, Edinburgh, UK</strong></td>
<td>19</td>
</tr>
<tr>
<td>Utrecht University, NL; Imperial College of Science, Technology and Medicine, London, UK</td>
<td>18</td>
</tr>
<tr>
<td>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</td>
<td>14</td>
</tr>
<tr>
<td>Nuclear Energy Commission (CEA), FR; Ludwig-Maximilians University, Munich, DE</td>
<td>12</td>
</tr>
<tr>
<td>National Institute for Health and Welfare (THL), FI; Health protection Agency, UK; Norwegian Institute for Air Research (NILU), Kjeller, NO</td>
<td>11</td>
</tr>
<tr>
<td><strong>Institute of Occupational Health, Helsinki, FI</strong> 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</td>
<td>10</td>
</tr>
</tbody>
</table>
What is new in Research & Innovation?

- 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...)

Horizon 2020 is different...
Europe 2020 priorities

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

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

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

Shared objectives and principles
Common rules, toolkit of funding schemes

Supporting the objectives:
European Institute for Innovation and Technology
Joint Research Centre

Horizon 2020 structure

International cooperation
European Research Area
Simplified access
Dissemination & knowledge transfer

OSH
# Proposed OSH-relevant topics in the first call*

## 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 work programme (topics)?

 Deadline for applications in Q1 of 2014
## Priorities in OSH research 2013-2020: comment

<table>
<thead>
<tr>
<th></th>
<th>Coverage in</th>
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<tbody>
<tr>
<td></td>
<td>Previous FPs</td>
<td>Horizon2020 (est.)</td>
</tr>
<tr>
<td><strong>5.1 The economic dimension of occupational safety and health</strong></td>
<td>+</td>
<td>+/-</td>
</tr>
<tr>
<td><strong>5.2 Demographic change — sustainable work for healthier and longer working lives</strong></td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td><strong>5.3 Globalisation and the changing world of work</strong></td>
<td>_</td>
<td>+/-</td>
</tr>
<tr>
<td><strong>5.4 OSH research for safe new technologies</strong></td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td><strong>5.5 New or increasing occupational exposure to chemical and biological agents</strong></td>
<td>++</td>
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</tbody>
</table>
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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The European Commission appoints independent experts to assist with research and innovation assignments including the evaluation of proposals, the review of projects and the monitoring of programmes or policies.

https://ec.europa.eu/research/participants/portal/page/welcomeexpert
Thank you for your attention!

http://ec.europa.eu/research/environment/index_en.cfm
http://ec.europa.eu/research/horizon2020
http://ec.europa.eu/research/health/index_en.html