

A glowing globe of the Earth is shown in space, with a bright light source behind it creating a lens flare effect. The background is a deep blue space filled with stars and a faint, glowing blue structure resembling a DNA helix or a network of lines.

Horizon 2020 and its Societal Challenge Health, Demographic Change and Wellbeing

**Strengthening health policy
governance across all levels in the EU**

**Venue: Committee of the Regions/European
Economic and Social Committee
Brussels, 7 November 2014**

**Rosanna D'Amario
Policy Officer of Strategy Unit
Health Directorate**

**Research & Innovation Directorate General
European Commission**

Overview

Horizon 2020



Societal Challenge



International



**Health, Demographic
Change and Wellbeing**

Cooperation





What is Horizon 2020?

**The European Union's 2014-20 programme
for research & innovation**

**A core part of Europe 2020, Innovation Union &
European Research Area**

Three priorities:

- 1. Excellent science (24,4 bn €)**
 - 2. Industrial leadership (17,0 bn €)**
 - 3. Societal challenges (29,7 bn €)**
- + Other activities (5,9 bn €)**



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

Three priorities

- European Research Council
- Future and Emerging Technologies
- Marie Skłodowska-Curie actions
- Research infrastructures

- Leadership in enabling and industrial technologies
- Access to risk finance
- Innovation in SMEs



- **Health, demographic change and wellbeing**
- Food security, sustainable agriculture and forestry, marine and inland water research and the Bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, environment, resource efficiency and raw materials
- Inclusive, innovative and reflective societies
- Secure societies



Horizon 2020 - Societal Challenge 1 "Health, Demographic Change and Wellbeing"



- ✓ **Translating science to benefit citizens**
- ✓ **Improve health outcomes**
- ✓ **Support a competitive health & care sector**
- ✓ **Test and demonstrate new health & care models, approaches and tools**
- ✓ **Promote healthy and active ageing**

Workprogramme 2014-2015



- **2014 calls: first grant agreements expected by December 2014**
- **Last call: *14 October 2014* → second stage in February 2015**
- **Next calls: 24 February and 21 April 2015**



Some topics for next call (24 Feb 2015)



PHC 9*: Vaccine development for poverty-related and neglected infectious diseases: HIV/AIDS

PHC 15*: Clinical research on regenerative medicine

HCO 6:** Global Alliance for Chronic Diseases. Prevention and treatment of lung diseases

HCO 13:** ERA-NET - Cardiovascular disease

* PHC = Personalising Health and Care;

** HCO = Health Co-ordination activities

Some ERA-NET relevant for Health



- **NEURON II** (Disease-related neuroscience)
 - ❖ Started on Jan 2012 (end Dec 2015)
 - ❖ Coordinator: Germany (PT-DLR)
 - ❖ 21 Agencies and 16 countries (€ 2 million EU contribution)

- **Transcan** (Translational cancer research)
 - ❖ Started on Jan 2011 (end Dec 2014)
 - ❖ Coordinator: Italy (Ministry of Health)
 - ❖ 25 Agencies from 19 countries (€ 2 million EU contribution)



Joint Programming Initiatives in health research



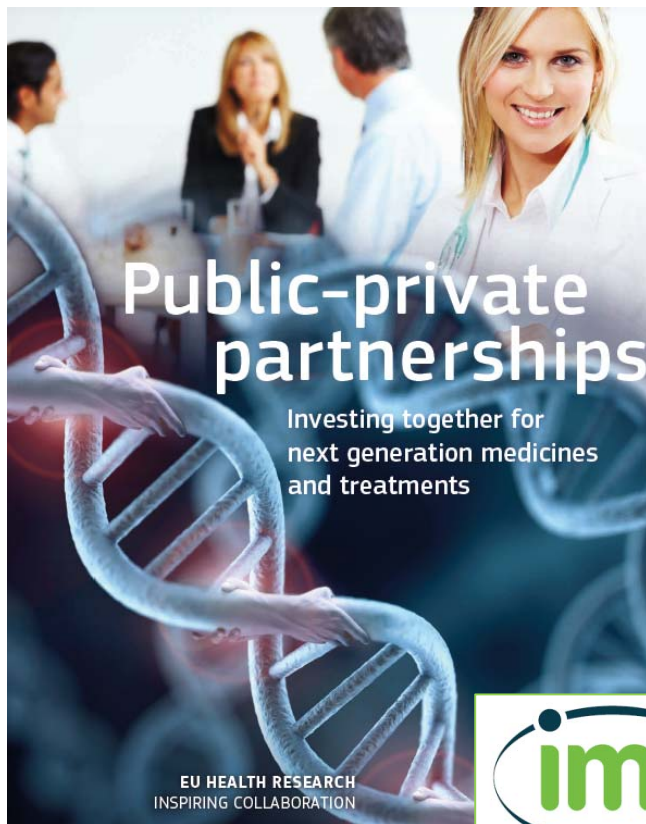
➤ **JPND** (Neurodegenerative diseases, in particular Alzheimer disease)

- ❖ Started in 2009
- ❖ Coordinated by France
- ❖ 28 Countries (proposal for ERANET co-fund)

➤ **JPIAMR** (Antimicrobial resistance)

- ❖ Started in 2011
- ❖ Coordinated by Sweden
- ❖ 19 countries

Innovative Medicines Initiative 2 (IMI2)



- ✓ **Up to €3,3 billion, shared equally between EU and industry**
- ✓ **Breakthrough vaccines, medicines and treatments**
- ✓ **Next calls:**
 - ❖ 12 Nov 2014: type 1 diabetes and retinal diseases;
 - ❖ 1 Dec 2014: Ebola and other viral haemorrhagic fevers

<http://www.imi.europa.eu/>



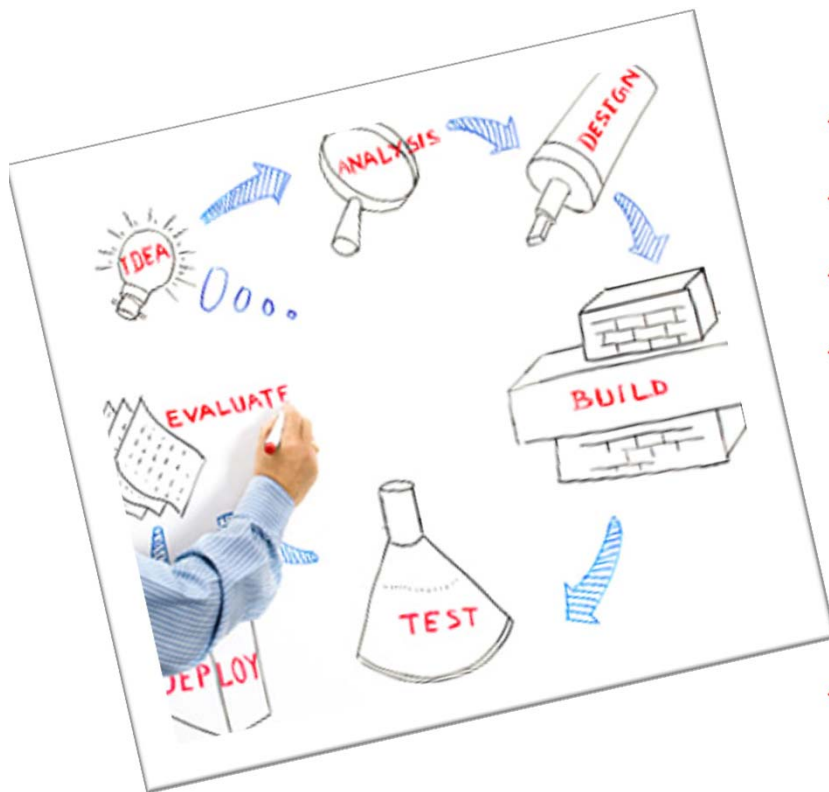
European and Developing Countries Clinical Trials Partnership 2 (EDCTP2)



- **EU contribution up to €683 million - to be matched by participating EU/associated countries**
- **Broader scope: including neglected infectious diseases, all clinical phases, diagnostics and delivery optimisation**
- **Longer duration: 10 years**

<http://www.edctp.org/>

Special support for SMEs in Horizon 2020



- ❖ **~5 billion EUR in H2020**
- ❖ **Challenge driven, bottom up**
- ❖ **A single company can be funded**
- ❖ **3 phases / 3 entry points:**
 - Concept and feasibility assessment
 - R&D, demonstration, market replication
 - Commercialization
- ❖ **Open call cut: next one on 17 Dec 2014 (phase 2)**



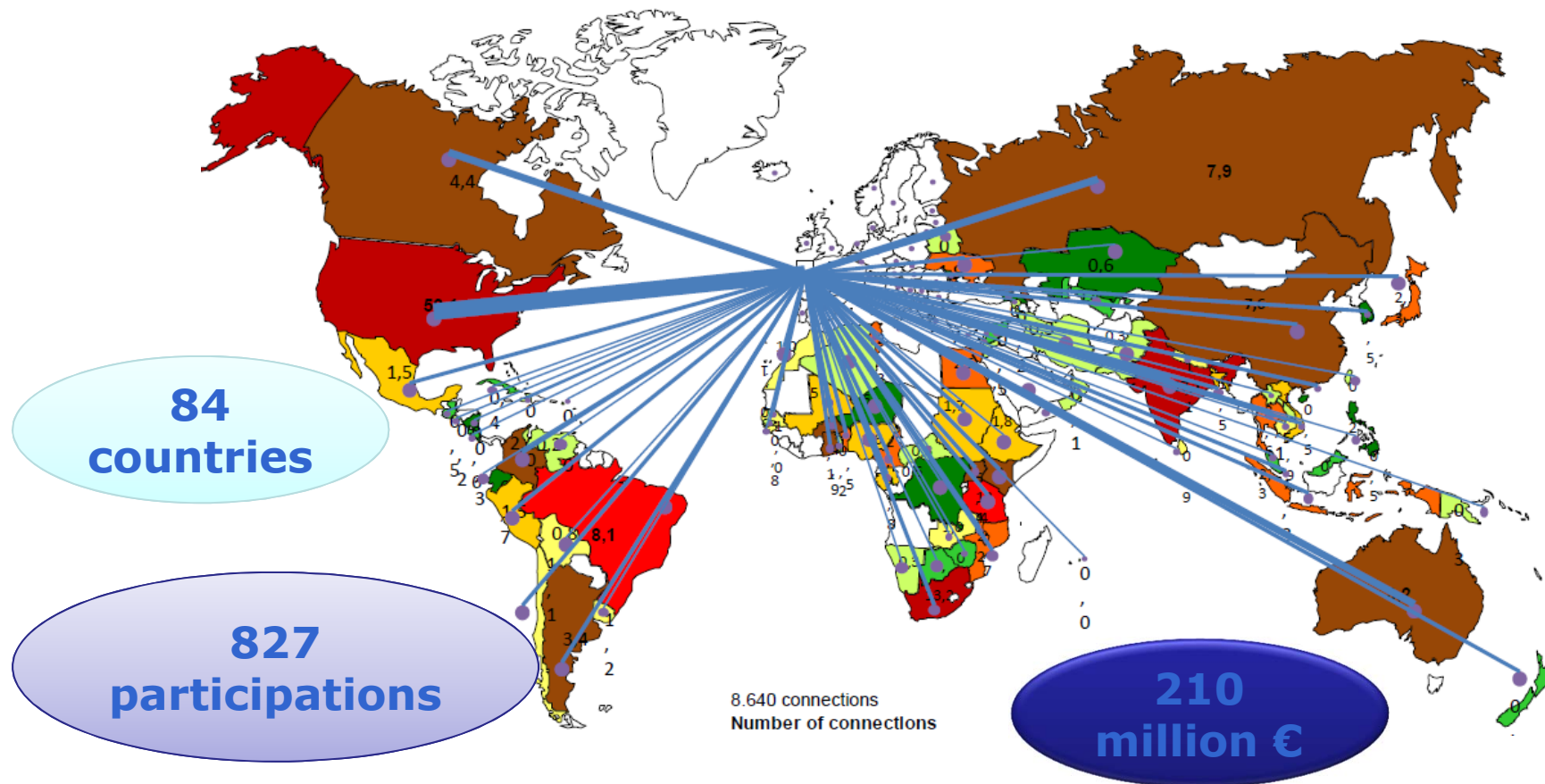
European
Commission



International cooperation: a need not an option



International cooperation in the Health programme under FP7 (2007-2013)





Multi-lateral health research activities in health research

**International K.O.
Mouse Consortium**

**Global Alliance for
Chronic Diseases**

**International Human
Epigenome Consortium**

**International Rare
Disease Research
Consortium**

**International Cancer
Genomics Consortium**

**International Initiative
for Traumatic Brain
Injury Research**



**International Human
Microbiome Consortium**

**New! Global Research
Collaboration for Infectious
Disease Preparedness**



Global Research Collaboration for Infectious Disease Preparedness

(GloPID-R)

**A network of funding organisations
across the continents**





What is GloPID-R?

- **A network of research funders**
- **Launched in Brussels in February 2013**
- **The goal is to facilitate an effective research response within 48 hours of a significant infectious diseases outbreak with pandemic potential.**
- **Participating funders are so far from Australia, Canada, China, France, UK, US, Sweden, Brazil, South Africa and the European Commission. Thailand, Germany, Denmark and Malaysia have expressed their interest.**
- **Funding organisations from other countries are invited to join!**





More info @

- ✓ <http://ec.europa.eu/programmes/horizon2020/en/h2020-sections>
- ✓ <http://ec.europa.eu/research/participants/portal/desktop/en/home.html>
- ✓ <http://ec.europa.eu/programmes/horizon2020/en/h2020-section/health-demographic-change-and-wellbeing>
- ✓ http://ec.europa.eu/research/era/joint-programming-initiatives_en.html
- ✓ http://ec.europa.eu/research/era/joint-programming-initiatives_en.html
- ✓ <http://ec.europa.eu/research/era/era-net-cofund-h2020-infoday2014.htm>

Thank you!

Rosanna.D'Amario(at)ec.europa.eu