



Alliance for Biomedical Research in Europe

‘Horizon 2020’s opportunities and challenges
The biomedical research perspective’



*Hosted by Mairead McGuinness
Vice-President European Parliament
November 29, 2016*

‘The value of collaborative research in Europe’

Karin Sipido

*Past-President, Alliance for Biomedical Research in Europe
Chair, H2020 Scientific Panel for Health, DG RTD, Health Directorate*

The value of health and biomedical research in Europe

‘Improved health and wellbeing of the people is the ultimate goal of research. This societal aspect is an important and traditional characteristic of European research and its emphasis and orientation toward humanitarian goals and solidarity.

In addition, health contributes to economic prosperity.

Research underpins every step in the innovation cycle, from discovery in bench and bedside research, to implementation in healthcare, and prevention.

It is part of a vision of science and knowledge in a participative society.’

‘Better Research for Better Health’

A vision for health and biomedical research - the Scientific Panel for Health, May 2016

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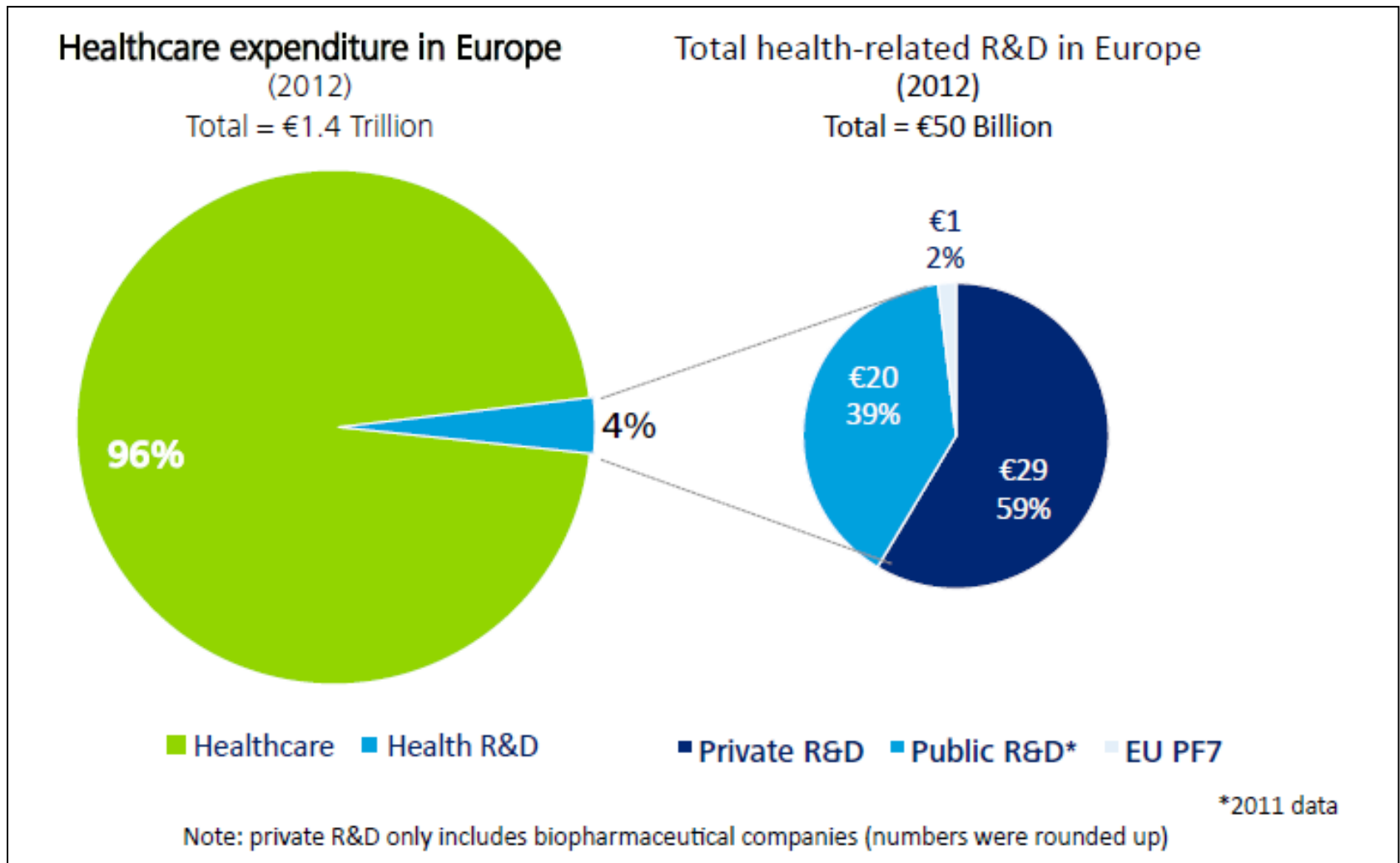
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The expected burden of disease is high..

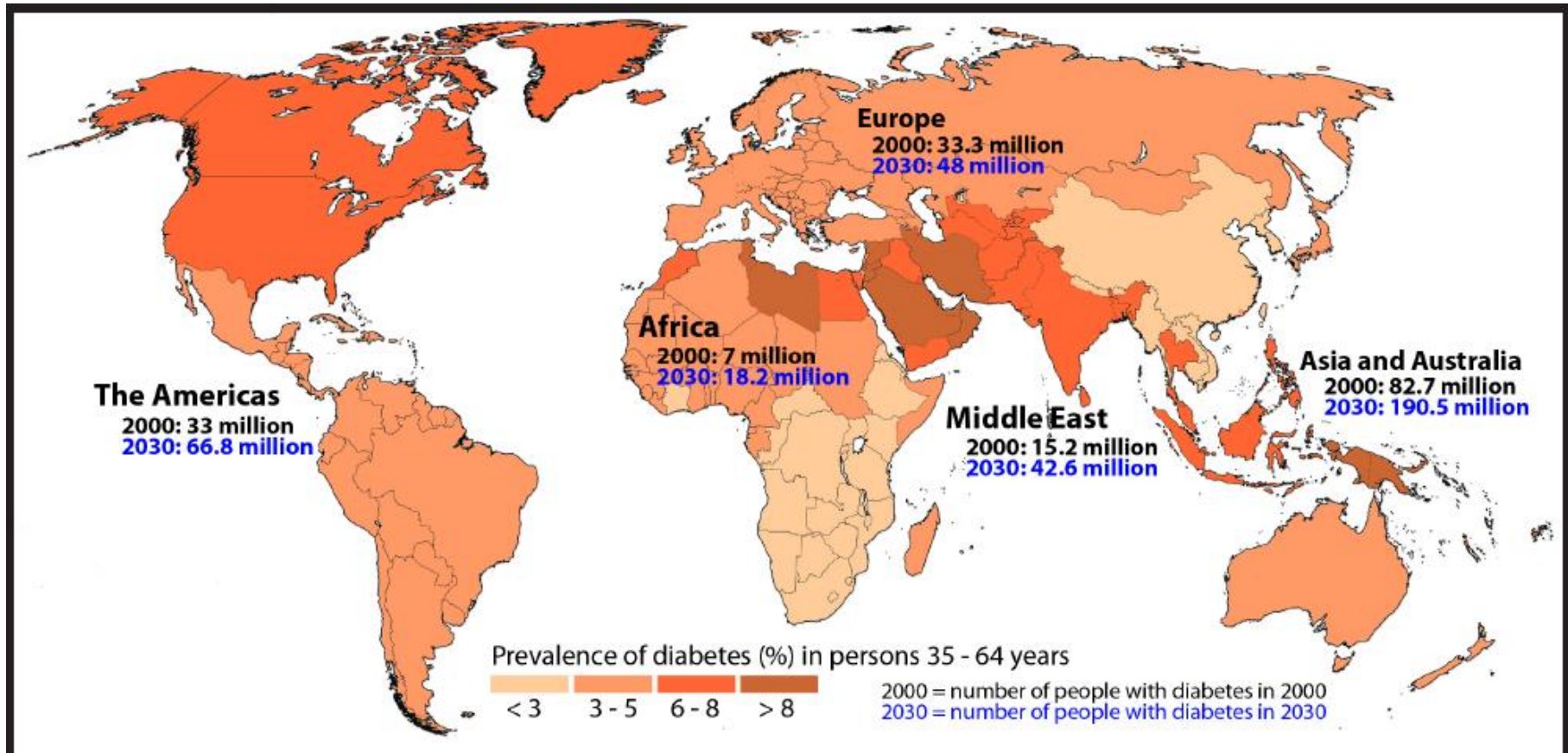
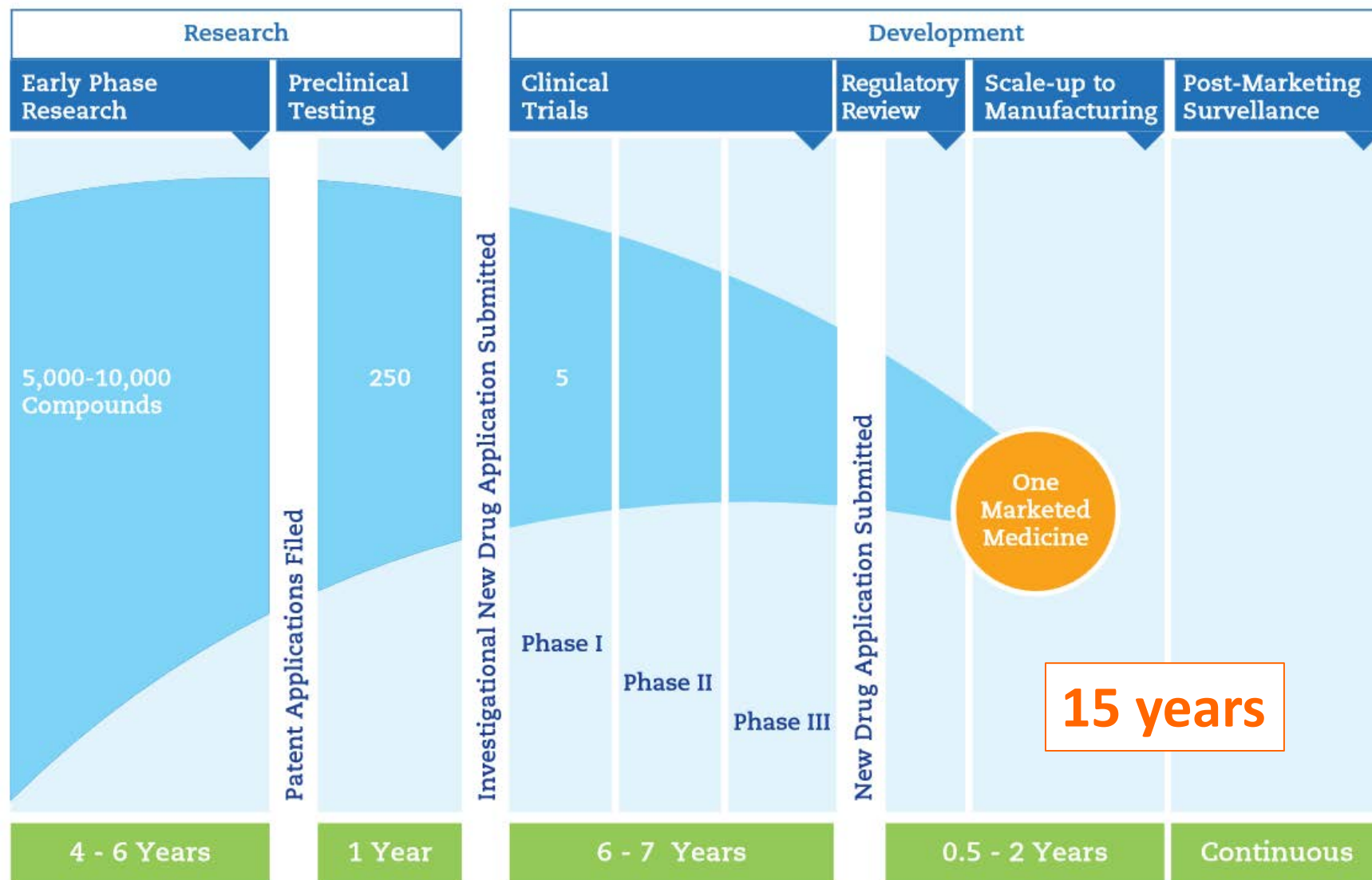
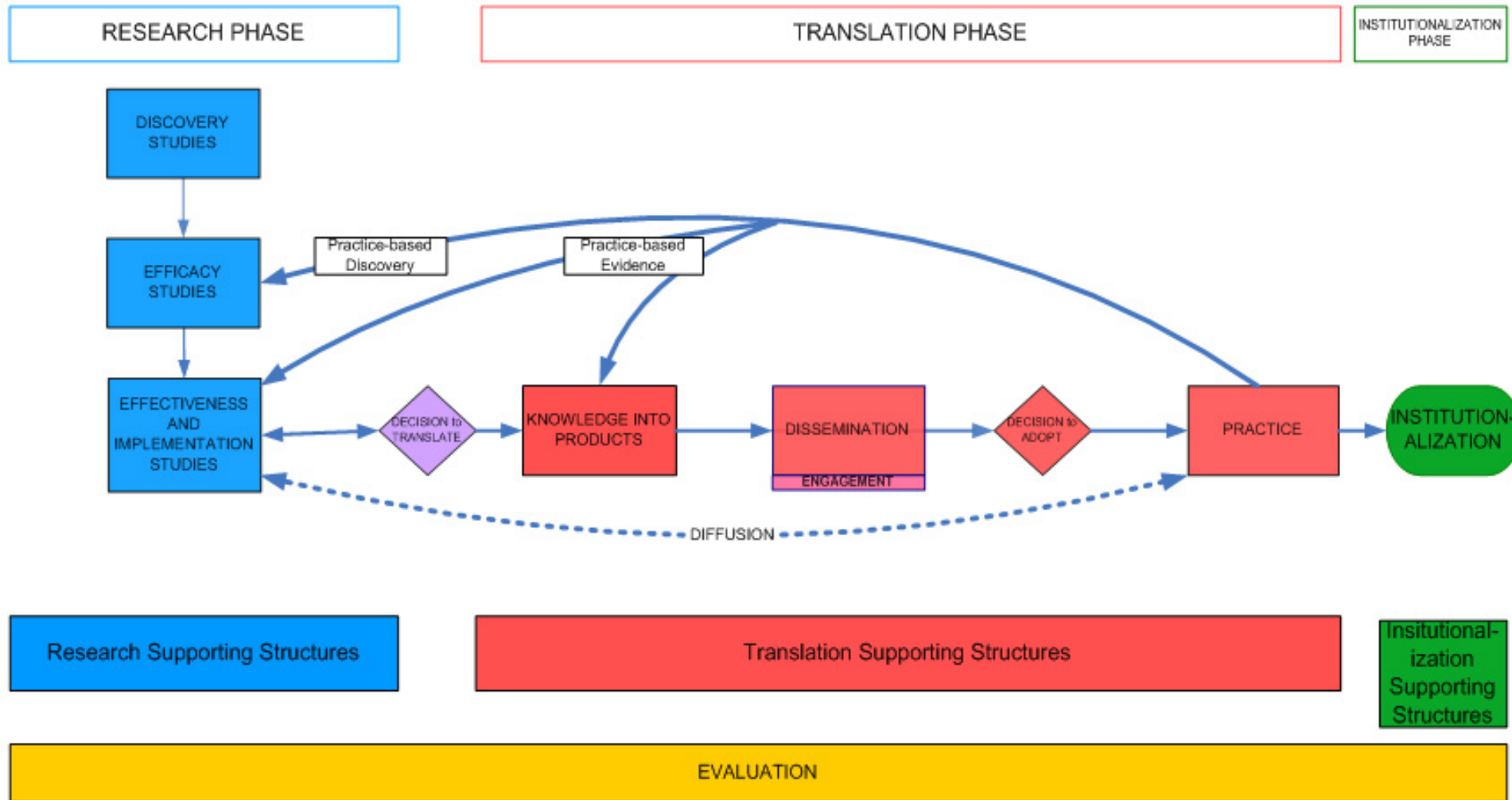


Figure 1 World map showing diabetes prevalence as percent of population (colour scale), and absolute morbidity for the years 2000 and 2030 (projected). There are geographical, and socioeconomic trends. (King et al., 1998).

while the innovation chain is long



with re-iterative research



Expectations for health care are high..

*P4 Medicine: Personalized, Predictive, Preventive, Participatory*¹

*Precision Medicine*²

Digital (e)Health

.....

Are we ready?

¹Aufray, Charron, Hood, 2010; ²Collins, 2015

In 2012 a proposal was put forward for a strategic, scientific-led action for health research and to create a *“European Council for Health Research”*



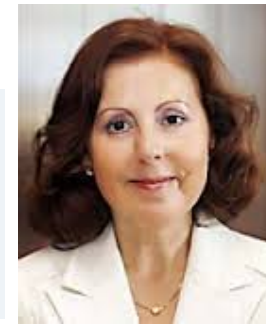
Alliance for Biomedical Research in Europe



Jose Mariano Gago



Teresa Riera Madurell



Maria da Graca Carvalho

>> translated into Horizon 2020 proposal as
‘Scientific Panel for Health’

.. a broad mandate

'.. the Scientific Panel for Health has been mandated to provide a comprehensive view on how to advance biomedical research in support of improving health in Europe, and to formulate recommendations to policy makers.'

The Lancet, 2016

<https://ec.europa.eu/programmes/horizon2020/en/h2020-section/scientific-panel-health-sph>



Who we are



- 27 experts across disciplines and activities

- advisors and liaisons to the community



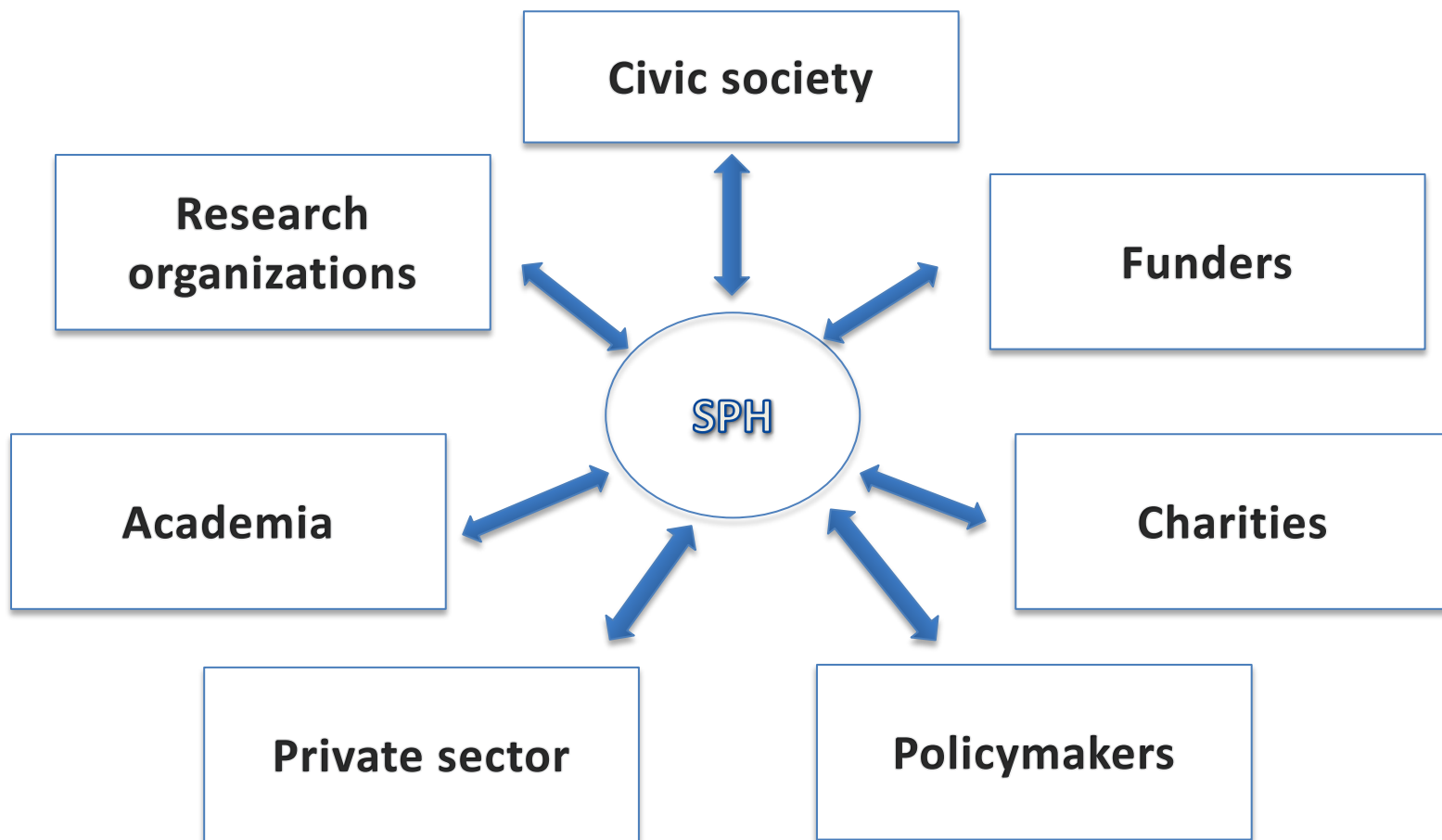
- policy experience and vision

- complementary to existing bodies

- > to consult and connect



stakeholders



“BETTER RESEARCH FOR BETTER HEALTH”

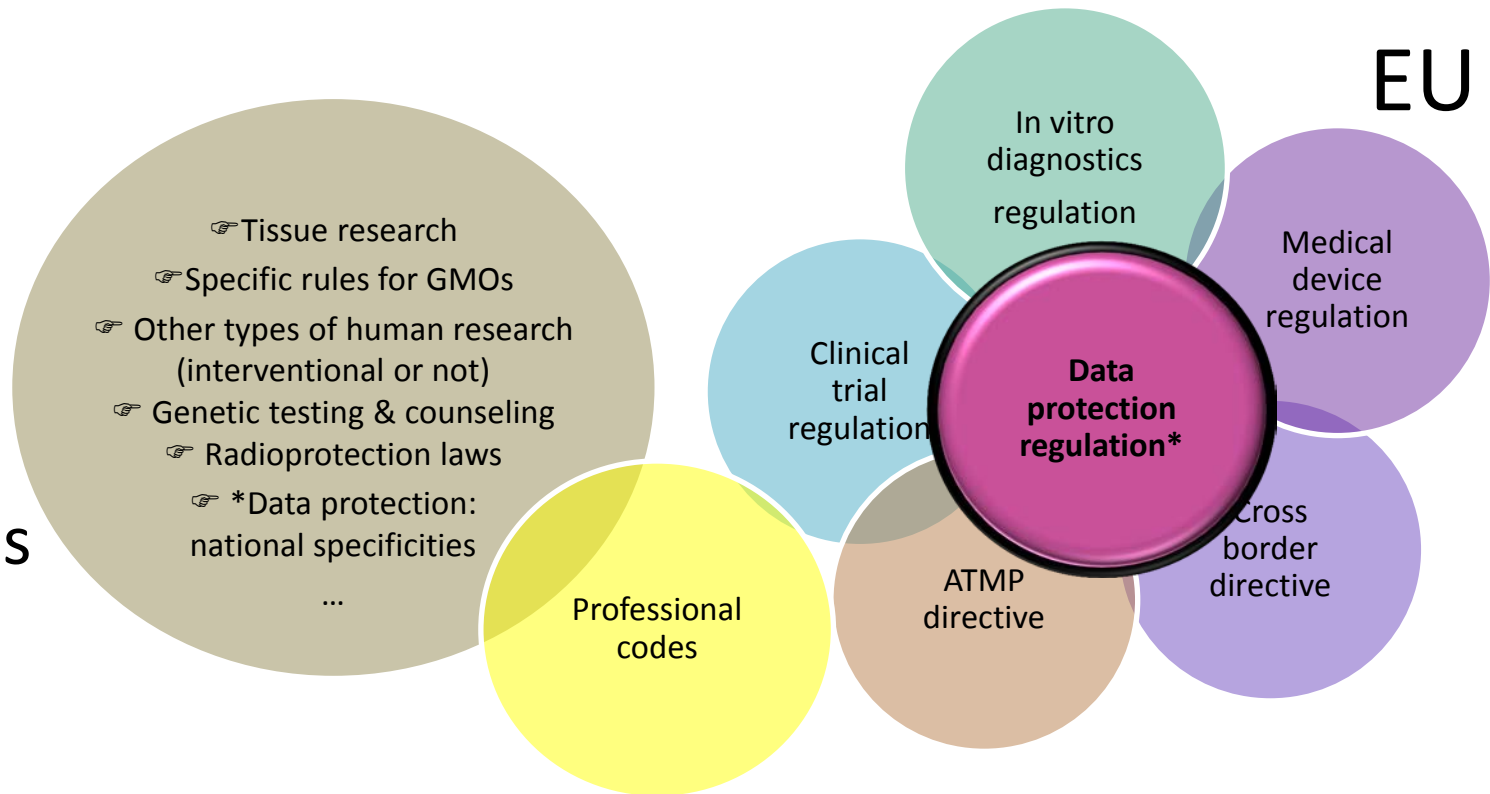
A holistic approach to challenges & opportunities

Brussels - 21 January 2016

A long and difficult way, full of regulatory hurdles



F. Meunier



⇒ *Streamline - Simplify - Harmonize*

Europe must build an integrated and harmonized legal and ethical framework to foster relevant international clinical research

BETTER RESEARCH FOR BETTER HEALTH

A vision for health and biomedical research from the Scientific Panel for Health*

Biomedical and health research are drivers for better health and patient care through innovation and implementation into practice of novel findings. In a changing society new challenges demand a new research and innovation framework and strategy.

*The European Commission's Scientific Panel for Health (SPH) is a science-led expert group based on the provisions of the Horizon 2020 Specific Programme that has been tasked with helping to achieve better health and wellbeing for all.
<https://ec.europa.eu/programmes/horizon2020/en/h2020-section/scientific-panel-health-sph>

- facilitate high quality cross-border collaboration within Europe and beyond,
- ensure a harmonized, simplified and transparent regulatory framework that supports innovation,
- nurture multi-stakeholder multi-disciplinary research across the innovation cycle, identifying common goals,



Der Wissenschaftsfonds.



NordForsk

a selection of stakeholder participation



WORLD
HEALTH
SUMMIT

BERLIN, GERMANY
OCTOBER 09-11, 2016

SCIENCE · INNOVATION · POLICIES

Strategic Priorities in R&D for Global Health

- SPH workshop: mechanisms and perspectives on research strategy and agenda setting
- Speakers from EC (Cornelius Schmaltz), WHO (Tana Wuliji), Johns Hopkins /NIH (Michael Klag), FEAM (Bernhard Fleckenstein)



‘.. the Scientific Panel for Health is calling for the:

- development of a comprehensive policy for health research, defining and aligning common projects across EC directorates, the EU and member states,
- implementation of ‘health-in-all policies’

A long-term mechanism to ensure these policies and quality of research requires a science-led multi-stakeholders’ platform for European transdisciplinary health and biomedical research which could take shape as a **European Council for Health Research** or an **Institute for Health.**’

Case studies of collaboration

impact & support

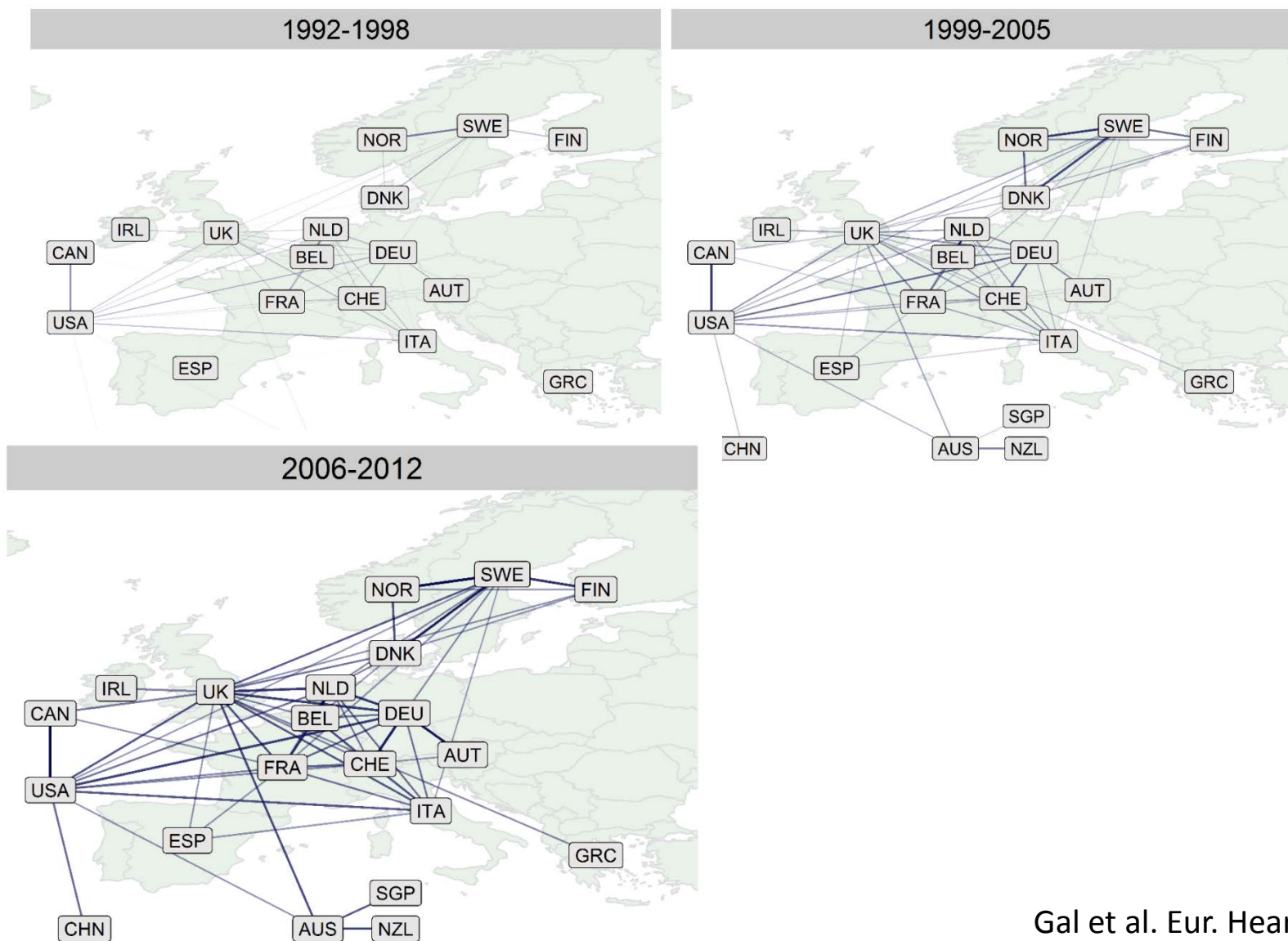
Cancer Core Europe: Paving the Way for a Virtual European Cancer Institute

From new treatments to Outcomes Research

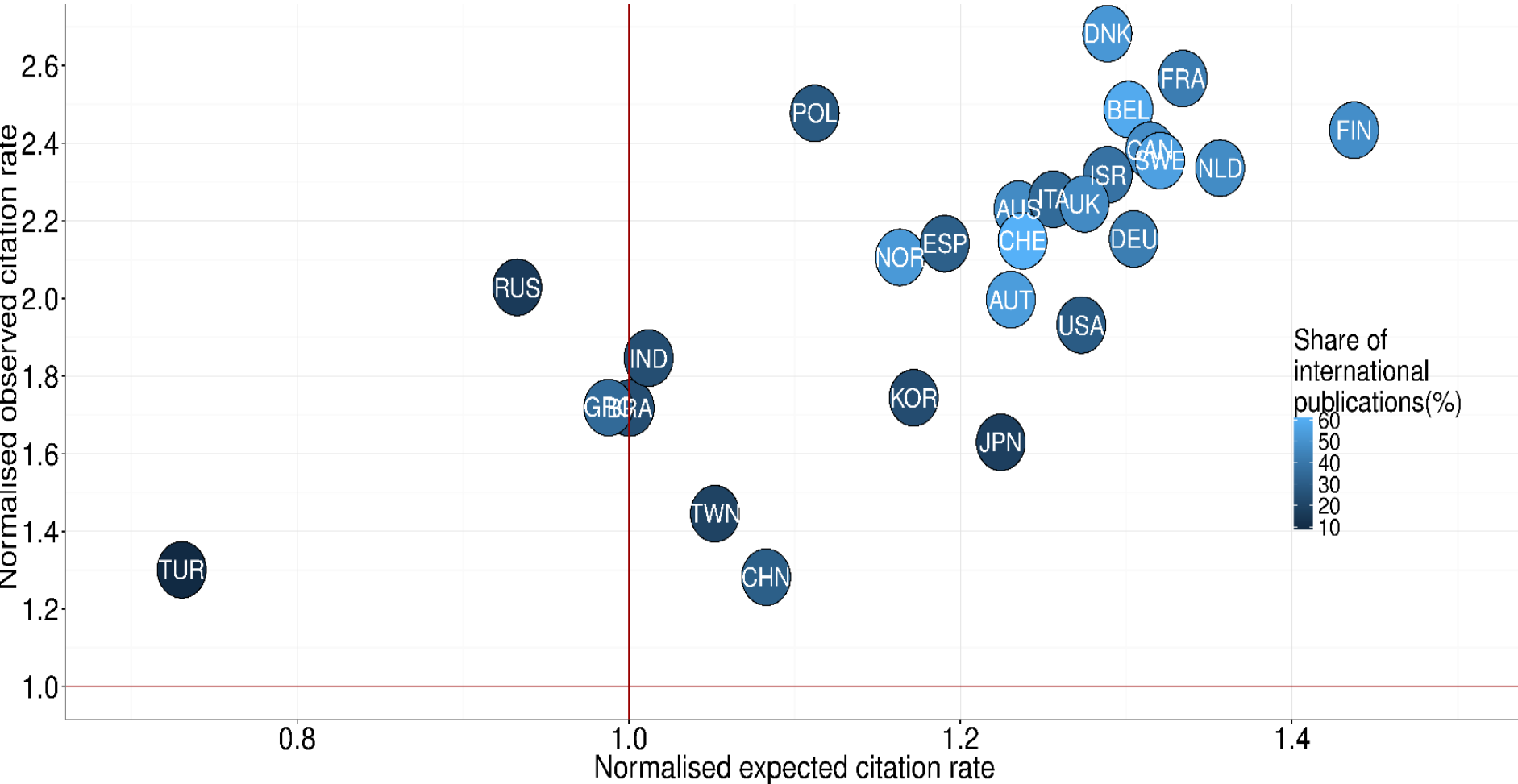
- Gustave Roussy Cancer Campus Grand Paris 
- Cambridge Cancer Centre 
- Karolinska Institutet 
- Netherlands Cancer Institute 
- Vall d'Hebron Institute of Oncology 
- German Cancer Research Centre with its comprehensive cancer centre: the National Centre for Tumour Diseases 

<http://www.cancercoreeurope.eu/index.php>

Collaboration in cardiovascular research



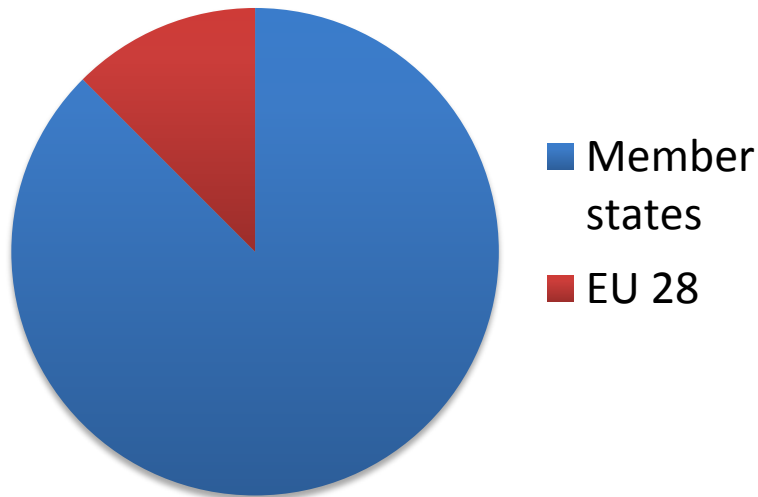
High impact of collaborative research



EU Research policy (Art. 163 & 178 of the Treaty on European Union)

“strengthening the scientific and technological basis of Community industry” and “promoting all research activities deemed necessary for other policies”.

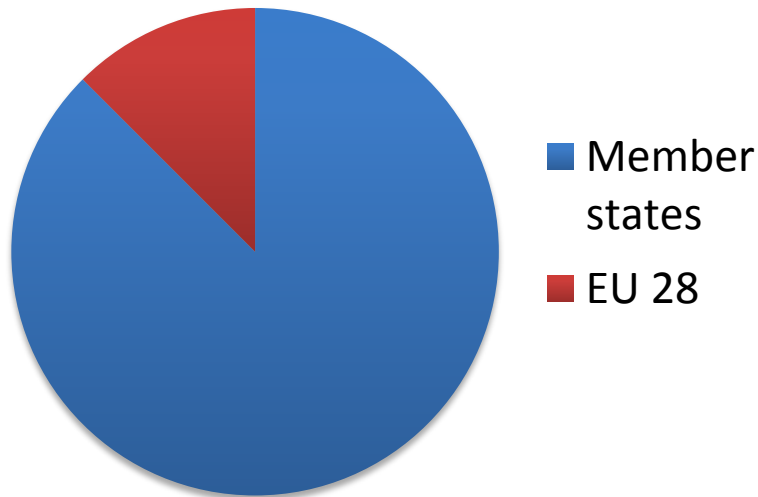
Public funding R&D - all



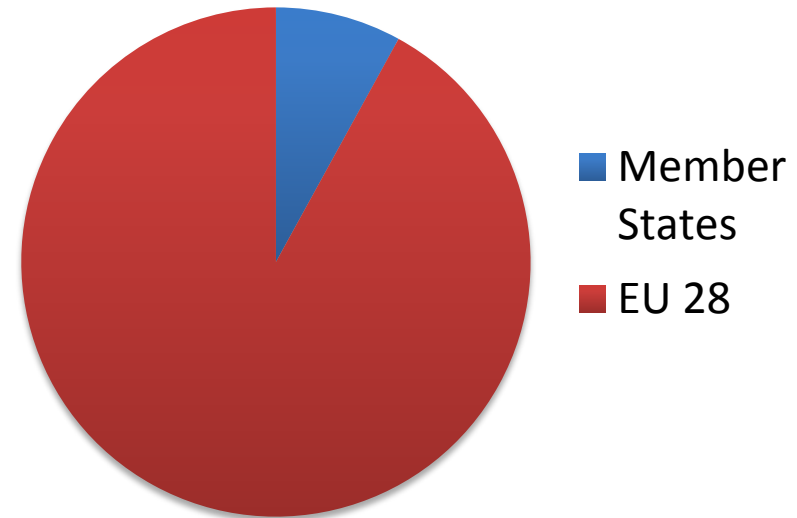
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*Cross-border collaborative research public funding**



When it comes to collaborative research across borders the EU is the prime source of public funding

* estimate based on MS funding schemes and EC reporting

‘Better research for better health’ calls for **more high quality cross-border** collaboration



next Framework Programme

‘European Council for Health Research’

‘EU Health Institute’



Thank you



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