



How technologies and collaborative initiatives can help to create new and innovative solutions to challenges faced by healthcare systems



Ruxandra Draghia-Akli, MD, PhD  
Director Health Research & Innovation DG

CCIP/CEFJ France-Japan Forum in collaboration with Hitachi, Paris, October 17 2014



Health, Demographic change and wellbeing - challenges ahead

- Chronic and degenerative diseases gain importance in the context of the ageing population
- Health expenditure at 10% of GDP - more than 70% of healthcare spending on chronic diseases

= > Need for innovation and transformation of health care interventions and health systems and services

EU must catch up with global health innovation leaders and keep its biomedical industry

HORIZON 2020



No part of the contents or materials available on this presentation may be reproduced, licensed, sold, published, transmitted, modified, adapted, publicly displayed, broadcast (including storage in any medium by electronic means whether or not transiently for any purpose save as permitted herein) without the prior written permission of the author

## Health systems – opportunities for innovation

Sector with high potential of innovation and competitiveness:

- Highly specialised labour force
- Innovation-driven sub-sectors: pharmaceuticals, medical devices, equipment ...
- E-Health

Can we capitalise on innovations from other sectors (ICT, nanotechnology...)

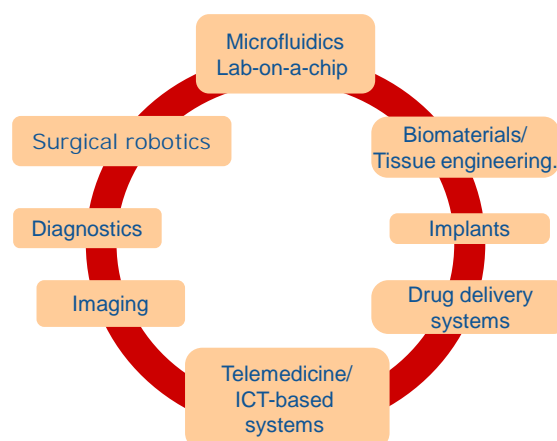
Should engage with the empowered citizen

But we need to bridge the knowledge - do gap

HORIZON 2020



## Technologies offering innovative solutions



HORIZON 2020



No part of the contents or materials available on this presentation may be reproduced, licensed, sold, published, transmitted, modified, adapted, publicly displayed, broadcast (including storage in any medium by electronic means whether or not transiently for any purpose save as permitted herein) without the prior written permission of the author

## 1004 collaborative projects in health research from 2007-13



NanoMal project - malaria, now, Dengue, Chagas or yellow fever, soon!

HORIZON 2020



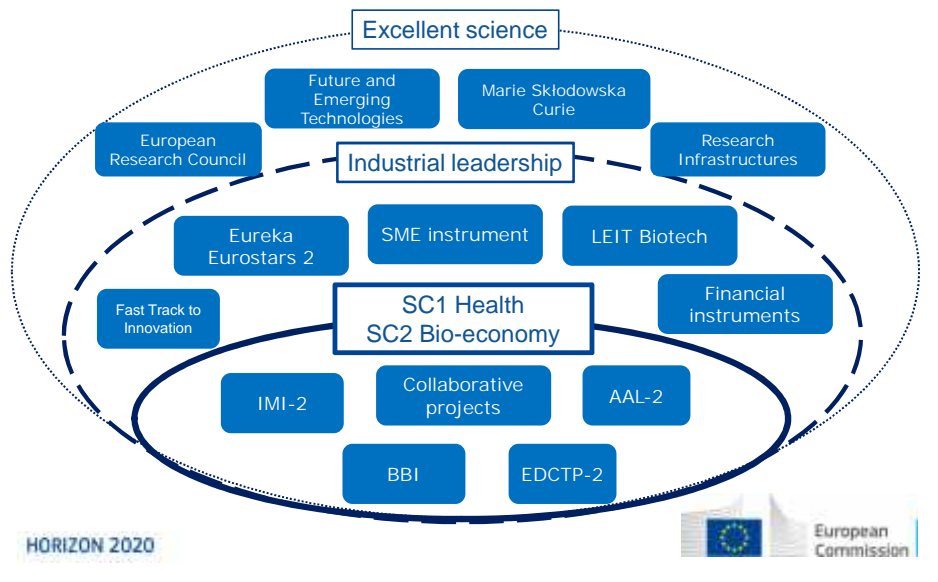
EU-level  
collaboration  
for  
innovative  
solutions



HORIZON 2020

No part of the contents or materials available on this presentation may be reproduced, licensed, sold, published, transmitted, modified, adapted, publicly displayed, broadcast (including storage in any medium by electronic means whether or not transiently for any purpose save as permitted herein) without the prior written permission of the author

## Funding for Health/Biotech in H2020



### Perspectives under Horizon 2020

- IMI2 PPP with expanded scope, 3.3 billion Euro endeavour focusing on public health needs and including other industry sectors, notably technology companies
- Topics under EU collaborative research funding directed at overcoming the innovation gap: e.g. topic on "piloting personalised medicine in health and care systems"
- Pre-commercial procurement of innovative solutions; e.g. in area of "self-management of health and disease and patient empowerment supported by ICT"
- Financial instruments and support for venture capital funding to stimulate research and innovation
- Links with EU structural funds

HORIZON 2020



No part of the contents or materials available on this presentation may be reproduced, licensed, sold, published, transmitted, modified, adapted, publicly displayed, broadcast (including storage in any medium by electronic means whether or not transiently for any purpose save as permitted herein) without the prior written permission of the author

Information about all EU funding opportunities on the Participant Portal – your one-stop shop



HORIZON 2020



No part of the contents or materials available on this presentation may be reproduced, licensed, sold, published, transmitted, modified, adapted, publicly displayed, broadcast (including storage in any medium by electronic means whether or not transiently for any purpose save as permitted herein) without the prior written permission of the author