



Public Health Research

perspectives under
Horizon 2020



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Europe under stress

- **Stalling economic recovery**
- **Changing demographics with an ageing population**
- **Depletion of natural resources & climate change**
- **Rising health care costs**



Health, Demographic change and wellbeing - challenges ahead

- Cancer, 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 in and transformation of health systems and services

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

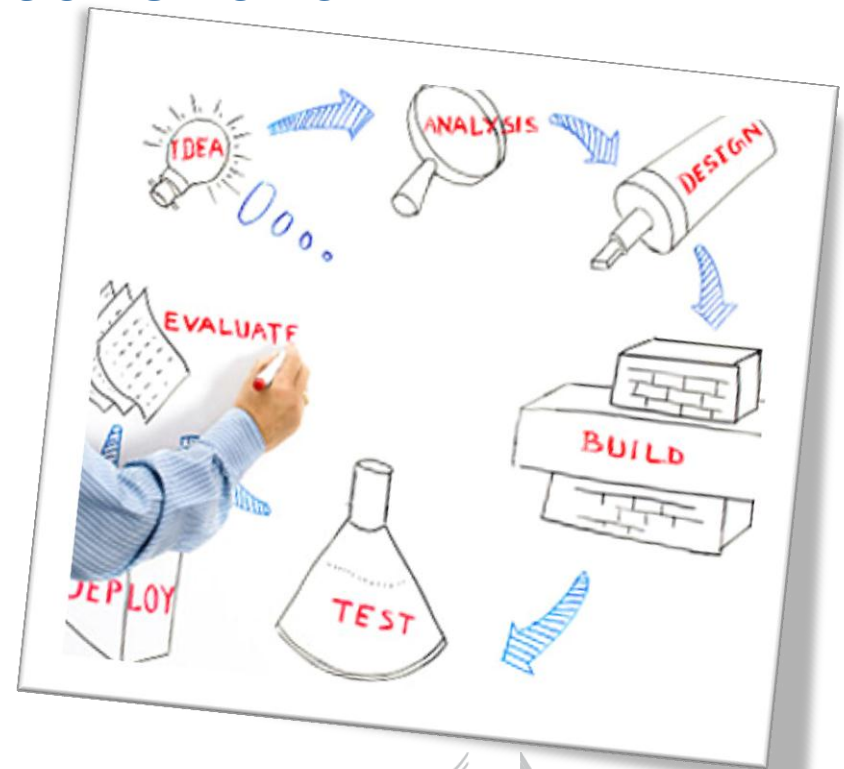
What is Horizon 2020?

The EU's 2014-20 programme
for research & innovation

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

Three priorities:

1. Excellent science
2. Industrial leadership
3. Societal challenges



A new approach

Challenge-driven

Broad topics

Less prescriptive topic texts

Two-year work programme

Stronger focus on end users

Health, Demographic change and wellbeing: An integrated approach with 7 focus areas

- Understanding health, ageing & disease
 - Effective health promotion, disease prevention, preparedness and screening
 - Improving diagnosis
 - Innovative treatments and technologies
 - Advancing active and healthy ageing
 - Integrated, sustainable, citizen-centred care
 - Improving health information, data exploitation and providing an evidence base for health policies and regulation
- + co-ordination activities

and Strategic initiatives:



Public health topics in H2020

Current work programme 2014/15

- **Health promotion and disease prevention: improved inter-sector co-operation for environment and health based interventions**
- **Health promotion and disease prevention: translating 'omics' into stratified approaches**
- **Evaluating existing screening and prevention programmes**
- **Developing and comparing new models for safe and efficient, prevention oriented health and care systems**
- **Foresight for health policy development and regulation**

European Human Biomonitoring Initiative (EHBMI) in preparation

Preparatory work is underway to develop a new initiative on human biomonitoring

The aim is to assess the exposure of European citizens to chemicals of concern

The initiative will involve the European Commission, the EU Agencies and EU Member States as well as relevant stakeholders