# EIT Health

*Creating novel solutions that make healthy lives a reality for all*

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# The EIT's first KICs

**Climate-KIC**

addressing climate change mitigation and adaptation

**KIC InnoEnergy**

addressing sustainable energy

**EIT ICT Labs**

addressing information and communication technologies

# Europe is facing major challenges in providing high quality healthcare:

**Key societal challenges:**

- Demographic changes and increased number of chronically ill put pressure on healthcare demand and costs, expected to increase considerably as a % of GDP, in a time when EU is recovering from economic crisis

- Increased cost of new technologies and regulatory hurdles

- Rigidity of existing healthcare systems, already hard pressed after years of "cost-containment"

Ref: DG Santé Disruptive innovation – considerations for health and healthcare in Europé (feb 2016)
Adapting EU health policy to an evolving Europé; Final report of the Health Workign group, Spring 2015

# Personalized Health: yearly cost

Annual cost

Function
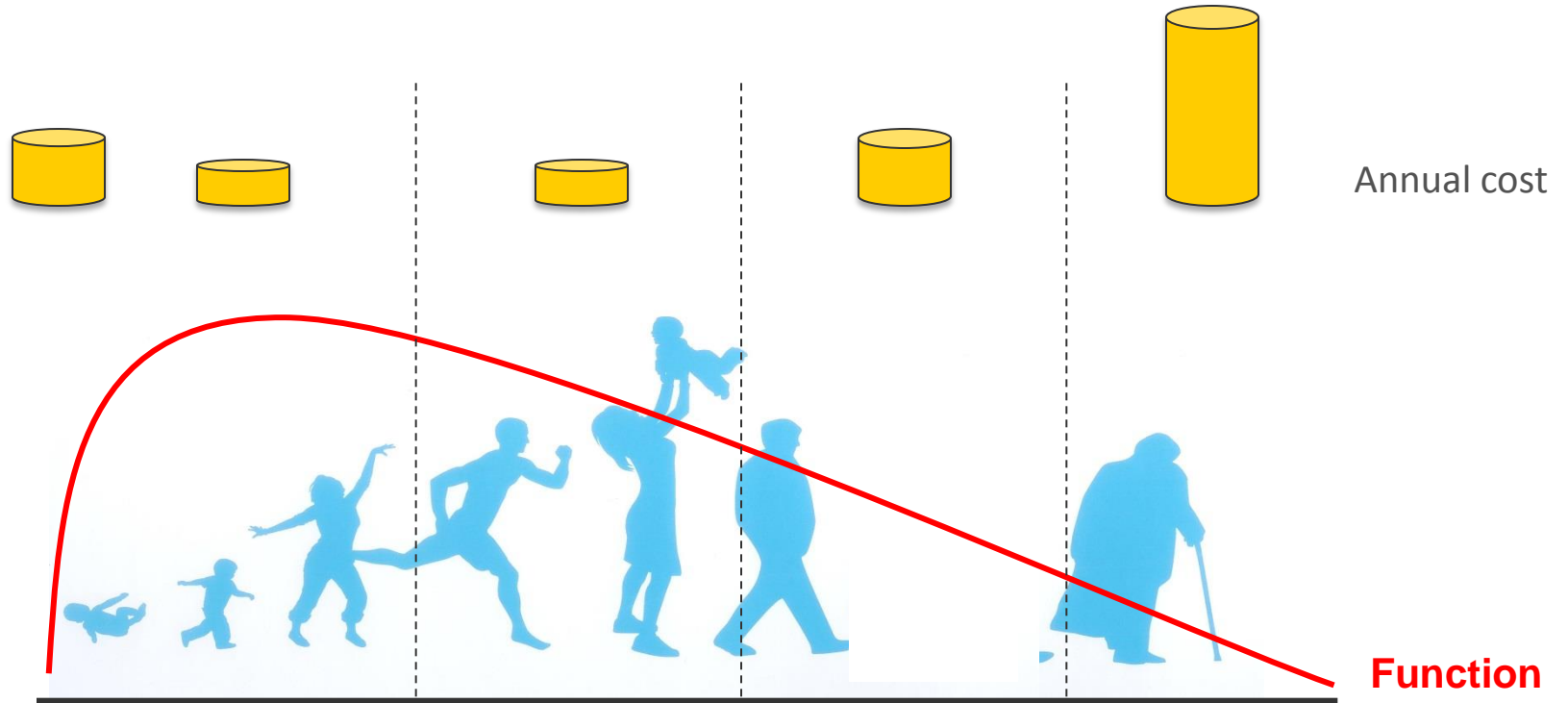
# EIT Health was created to facilitate the Paradigm Shift!

**Profess**ional-centric healthcare → Citizen-centric healthcare

**Formal** and institutional care → New technologies and healthcare providers
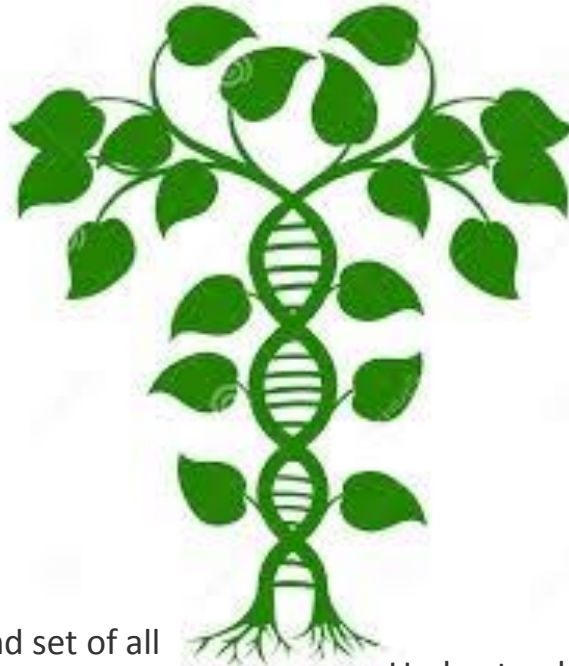
**"I am e**ntitled to health care" → "I am supported in managing my own health"

# Innovation, people, business and sustainable health care

WGC 13-02-2014
(addition to Amsterdam guiding principles)



## Societal challenge

Create strategies to change the mind set of all stakeholders towards engagement of the citizen

Take a life course perspective on health promotion and disease management

Promote health and wellbeing beyond care for individuals with frailty, disease or disability

Develop a region sensitive approach to empower citizens and reduce inequities in health and wellbeing

## Innovation challenge

Understand market needs and act upon these

Create economic value, new business and businesses

Encourage entrepreneurial activites

Involve all stakeholders in all stages of innovation

Optimize return on investment in health care

# Building on the knowledge triangle

**EIT Health Innovation Projects**

Participating in Innovation Projects as project partners, offering complementary capabilities such as test beds
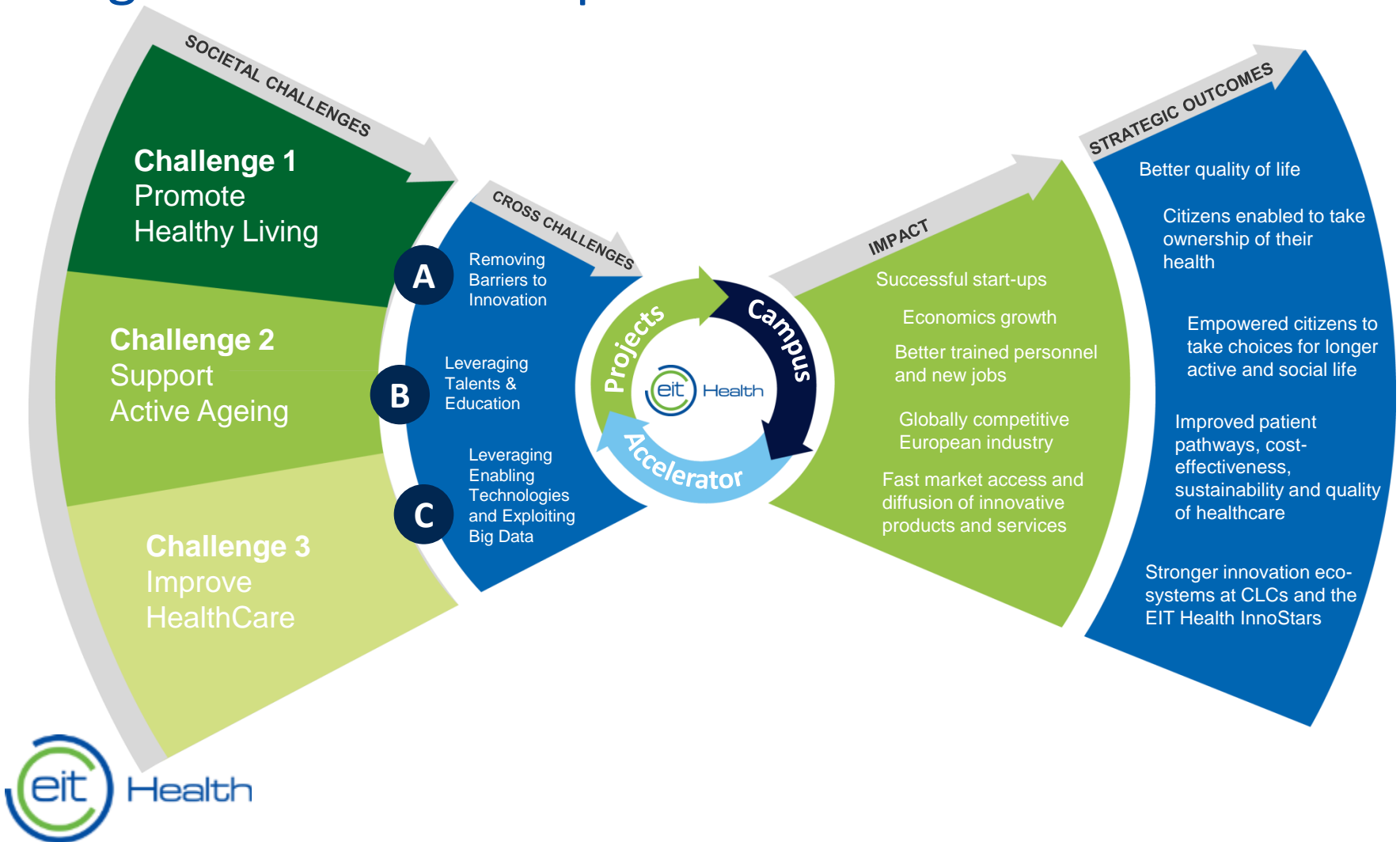
**EIT Health Accelerator**

Business Plan competitions in each CLC/ InnoStars, Business Creation services such as GoGlobal and Entrep. Lab for companies in expansion phase

**EIT Health Campus**

Individuals, young talents, health professionals, entrepreneurs should try to join programmes such as Summer School, Fellowship, etc.

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# Connecting high potential areas with an integrated innovation processes



SOCIETAL CHALLENGES

**Challenge 1** Promote Healthy Living

**Challenge 2** Support Active Ageing

**Challenge 3** Improve HealthCare

CROSS CHALLENGES

**A** Removing Barriers to Innovation

**B** Leveraging Talents & Education

**C** Leveraging Enabling Technologies and Exploiting Big Data

Projects

Campus

Accelerator

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IMPACT

Successful start-ups

Economics growth

Better trained personnel and new jobs

Globally competitive European industry

Fast market access and diffusion of innovative products and services

STRATEGIC OUTCOMES

Better quality of life

Citizens enabled to take ownership of their health

Empowered citizens to take choices for longer active and social life

Improved patient pathways, cost-effectiveness, sustainability and quality of healthcare

Stronger innovation eco-systems at CLCs and the EIT Health InnoStars

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# Our focus areas cover the expert recommendations

## Promote Healthy Living

- Self-management of health
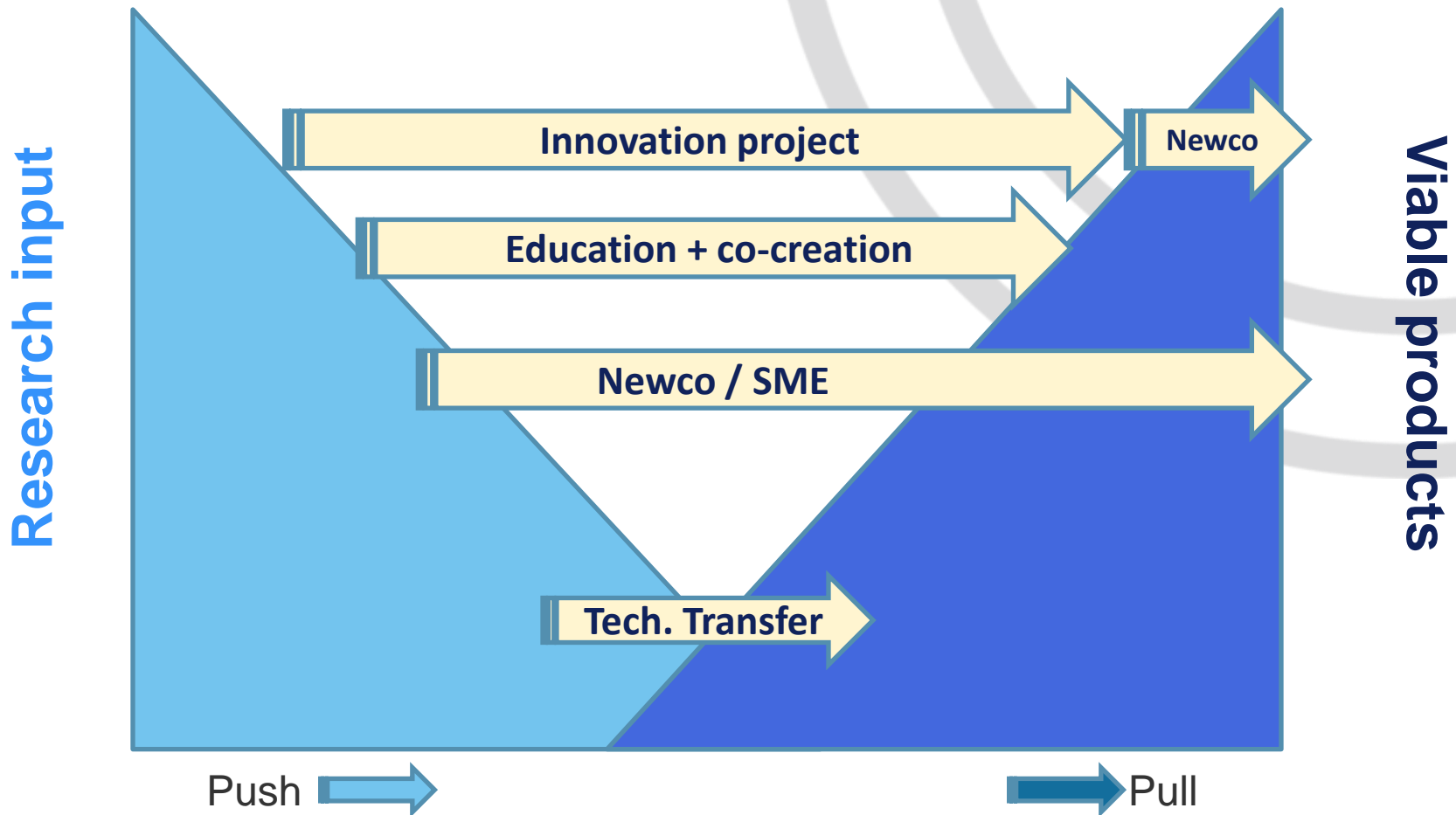- Lifestyle intervention

## Support Active Ageing

- Workplace interventions
- Overcoming functional loss

## Improve Healthcare

- Improving healthcare systems
- Treating and managing chronic diseases

# Resolving the knowledge paradox

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| Innovation Value Chain | Knowledge / Science / R&D | Innovation | Demonstration Trials | Scale-up Facilitation | Market diffusion Ecosystem building | Products & Services for citizens & patients |
|---|---|---|---|---|---|---|

**Research input**

Innovation project → Newco

Education + co-creation

Newco / SME

Tech. Transfer

**Viable products**

Push → Pull →

# „Bottom up and top down" Innovation Projects

## Projects by Ideas
### "solution-driven"

- collaborative projects
- a potential solution has been identified that either capitalises on an opportunity or addresses a specific problem presented by demographic ageing of the population

## Projects by Design
### "needs-driven"

- start from a recognised market need or societal problem
- enable corporate and public non-academic partners to quickly initiate and execute activities
- aim at developing products and services hindered by specific innovation barriers

# Education pillar:  Focus on Needs & Opportunities

EIT Health CAMPUS develops top talents, leaders and citizens of tomorrow

**GRADUATE HUB:**
**World-class knowledge:**
**MSc, & Summer Schools**
**& Sparks**

**EXECUTIVE & PROFESSIONAL HUB:**
**Entrepreneurial and innovation**
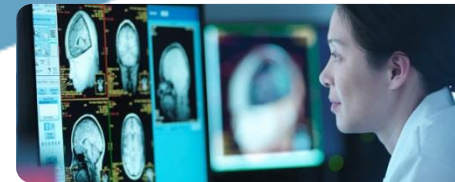**toolkits for enabling change**

**FLAGSHIP HUB:**
**Need-based and personalized**
**learning: E-labs & Innovation**
**Fellowships**

**DIGITAL HUB: including**
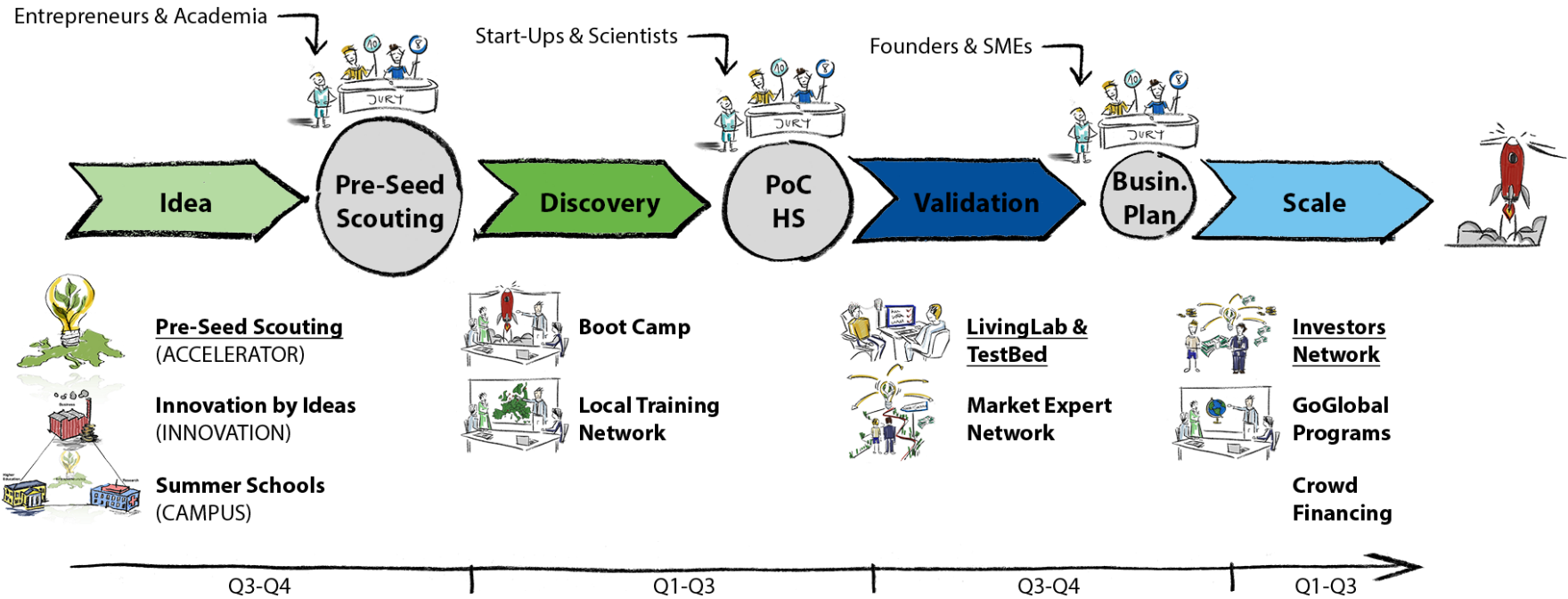**otherwise exluced learners**

**CITIZEN Programme:**
**empower ciitzens by new**
**formats such as Festivals**
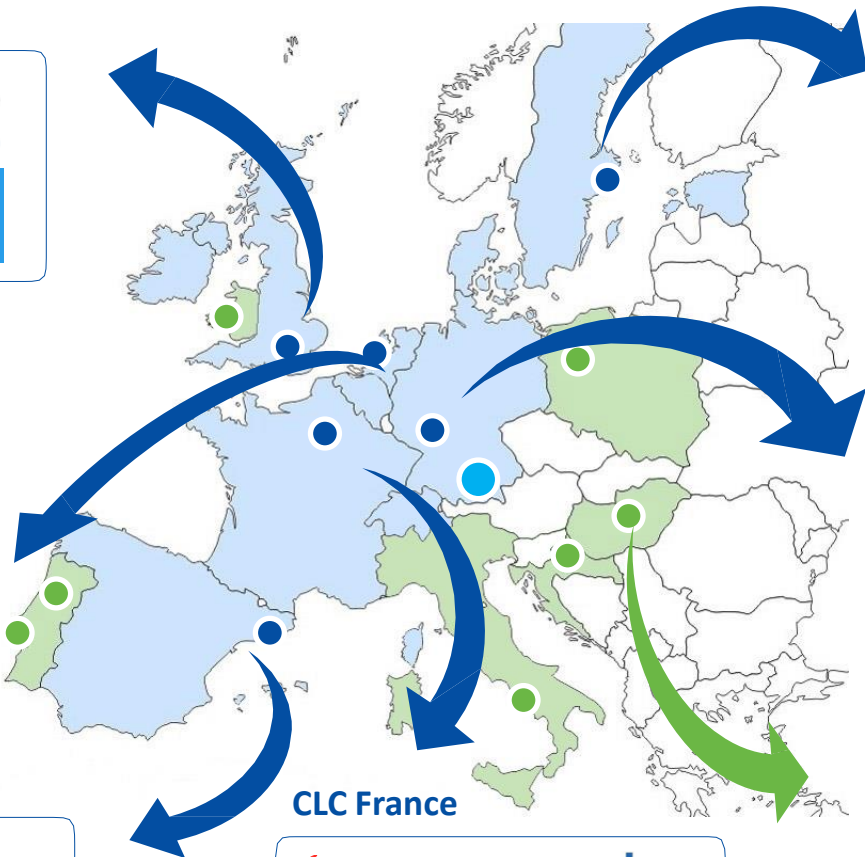
# Accelerator Supply Chain: connecting the best in EU

# A strong partnership for health across Europe



**CLC UK/Ireland**

**CLC Scandinavia**

**CLC Belgium/Netherlands**

**CLC Germany**

**CLC Spain**

**CLC France**

**InnoStars**

**EIT-Health BeNe:**

**Achmea**
**Erasmus MC**
**KU Leuven**
**Philips**
**TU Eindhoven**
**U. Gent**
**Barco**
**GIMV**
**IMEC**
**iMinds**
**Leiden UMC**
**Leijden Academy**
**Maastricht UMC+**
**TNO**
**TU Delft**
**UMC Groningen**
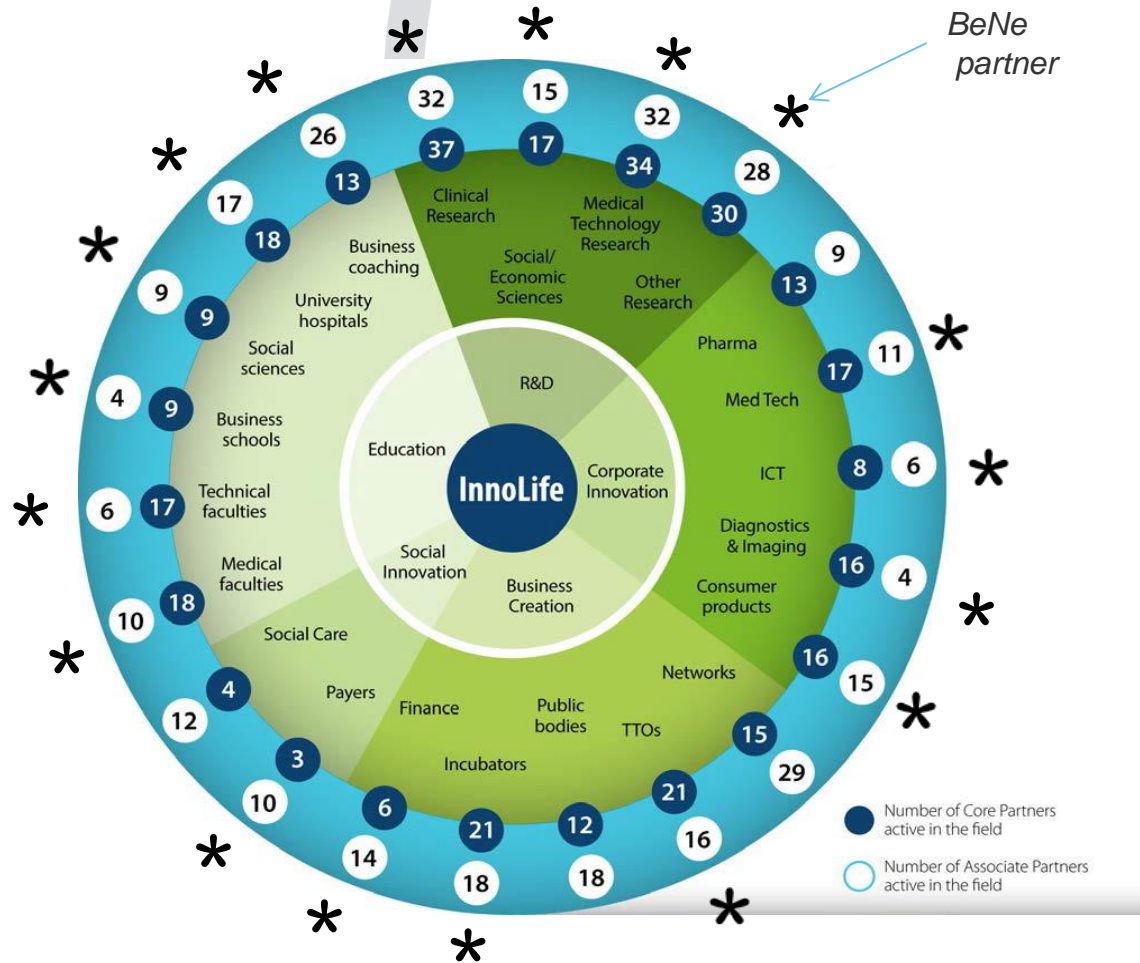
**The Co-location BeNeLux comprises 16 highly committed core- and associate partners, connected to local and regional networks, SME's and health care providers.**
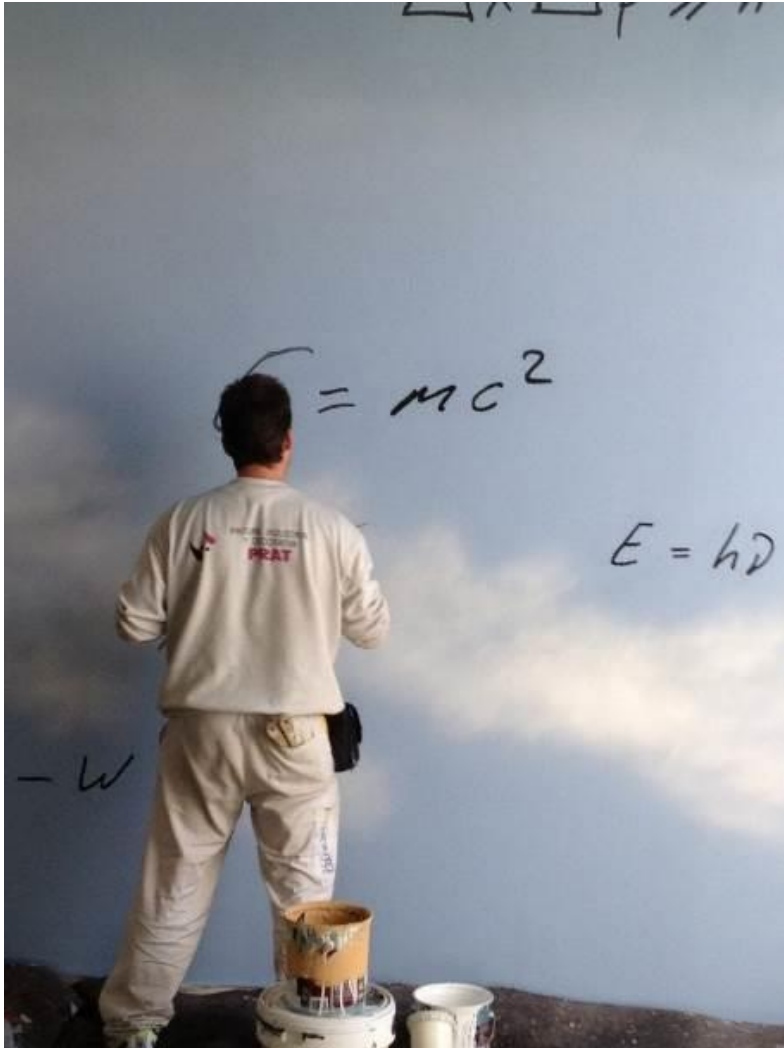
# Creating impact – goals and figures

**2016-18**

**Creating 165 start-ups and launching another 160 new services and products**

**Having 1 million students taking part in educational online programmes per year**

**Incubate approximately 340 new business ideas**

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A KIC must be borne from a strong desire to do things differently, (..) experiment at the boundaries of innovation!