

# Implementing Advanced systems & ICT solutions in the European Health Systems



## → A Complex Problem

- Definition of the problem e.g. Connected Health, active ageing, Healthy lifestyle...
  - *Health as a capital*
- Improve the quality of life, the wellbeing, the “ageing well” and the equality of services, for EU citizens
- Enable health and social care systems sustainability and efficiency
- Enhance economic development with job creation and growth
  - *Health expenditures as an investment*

## → A Complex System

- A Multi-stakeholders ecosystem for Innovation
  - Users (citizens, professionals)
  - Providers (multi-sectors industry and services)
  - Decision-makers & funders (public and private)
- A complex implementation process
- A difficult scale-up pathway

## **Policy-makers, Governments** (*European, national/Regional/local*)

- Health & Social Dpts
- Research Dpt
- Economic Development, Innovation Dpts
- Municipalities

## **Funders**

- Public/Social Insurance
- Local authorities, municipalities
- Private insurances, mutual & pension funds, banks
- Large companies

## **Health & Social care providers**

- Public and private hospitals
- Primary care representatives (GPs, nurses, paramedics...)
- Housing, care for elderly

## **Education/Research**

- Universities, schools, medicine faculties
- Private training providers, long-life training
- Research centres/institutes
- Engineering, life sciences, medical, social sciences

## **Connectors**

- Incubators
- Business Innovation Centres
- Networks, clusters, agencies

## **Investors**

- Business angels
- Venture capital, risk capital, private equity
- Large industries funds
- Crowd funding organisations

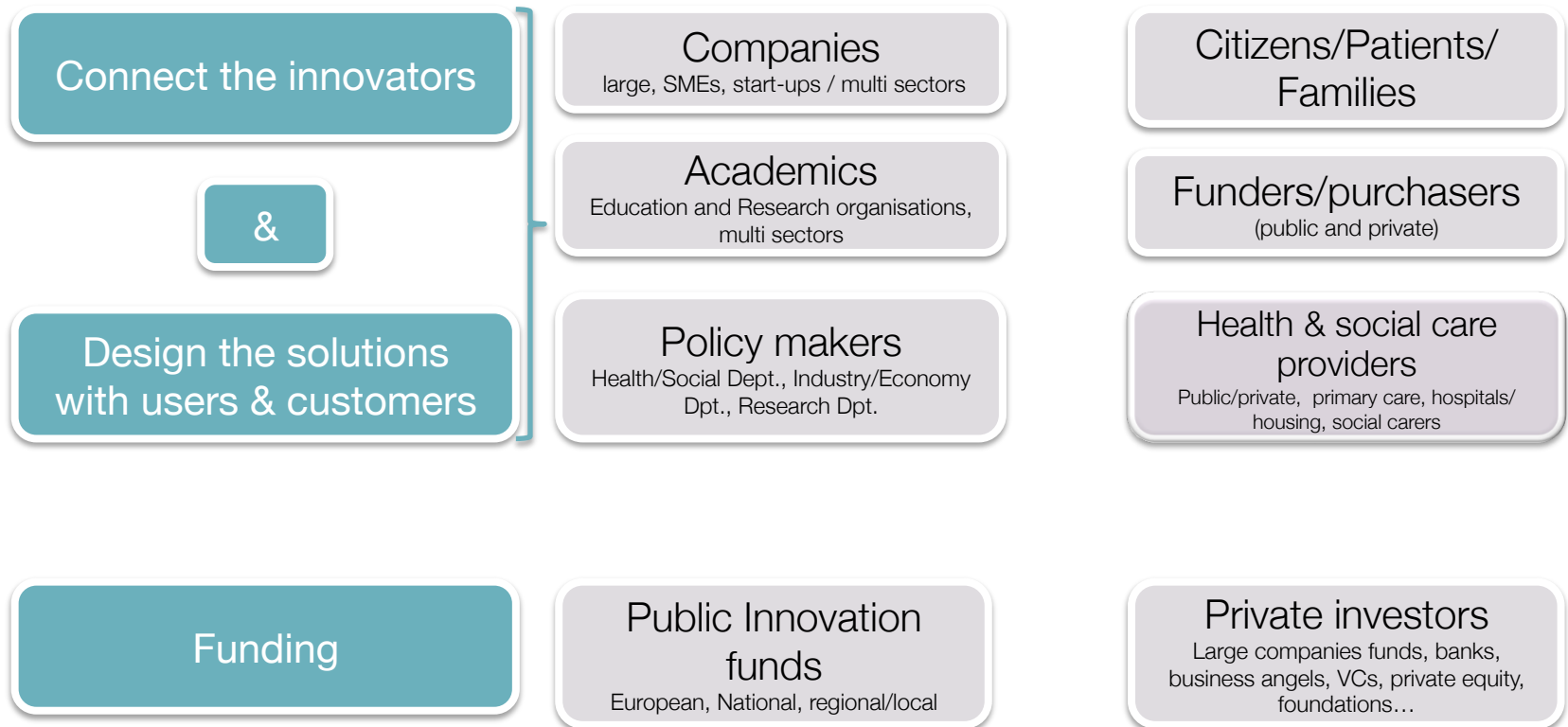
## **Companies** (*large, small / industry, services*)

- Health: pharma, medical devices, health/social services, eHealth
- Digital: web, IT systems, EHR-HIE-PHR, data management/analytics, algorithms, Telco
- Building industry, architects, Home adjustments
- Urban design, ergonomic
- Tourism, leisure, culture
- Retail, mass market distribution
- Wearable Techs, Wellness, Sport, Fitness
- Nutrition
- Transport: automotive, collective (train, metro, bus)

## **Citizens, patients representatives**

- Citizens, consumers associations
- Disease associations
- Older people associations
- Informal carers, families associations

Create your own ecosystem to innovate



## Access to ecosystems to implement & deploy (at national and regional/local level)

### Public Policies

Coordinate public policies for Health/social care, labour, innovation/research

### Workforce

Training & education for professionals, redesign of workflows, incentives models

### Citizens

Advocacy/communication, human behaviours, incentives models

### Technical framework

Interoperability, standards, norms

### Funding models & market access

Proof of concept/Evidence-based models

Business models (B2B, B2B2C, B2C)

Innovative procurement models

Meet the buyers

### Entrepreneurship

Business strategy support

Incubation programmes

Fundraising

### Deployment, scale-up

International Network of Ecosystems, within the EU and beyond (US, China)

## Key success factors

*Building trust & relationships*



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**Collaboration of the willing**

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**Quarterly Ecosystem Meetings**

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**Permanent** – not a 6 month project

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**Flexibility** about how each is organised

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**Multi-stakeholders community**

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**Breaks down the silos**

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Being part of the Ecosystem should **enhance your day job**

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**Political buy-in**, support, visibility

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Part of **an international network** - sharing and learning with other Ecosystems

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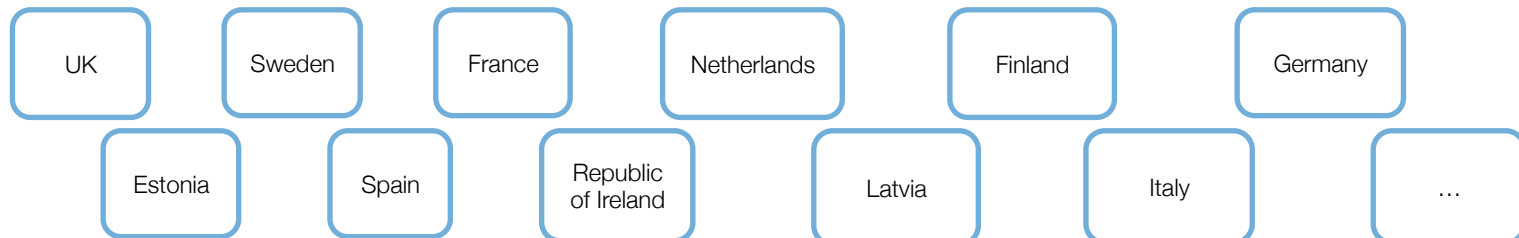
Encourage, support and promote **best practices** across network....



# International network of Ecosystems



New Ecosystems in progress



## Learn, meet & debate through events

- Conferences,
- workshops
- webinars
- Speakers' Corner
- Meet & Debate tables
- B2B matchmaking
- Informal meetings
- Education sessions

## Boost the innovation process

- Smart matchmaking - identify skills, technologies, resources, users
- Participate in European and international projects
- Innovation Funding: identify calls of projects, subsidies, private investors
- Business intelligence: learn on trends, new technologies and markets

## Implement solutions through Ecosystems

- Build the local community and define a common strategy
- Design education and training for professionals
- Advocate and communicate to the citizens
- Design & publish tenders
- Prove the concept
- Attract international players

## Develop businesses

- Incubation: support for start-ups
- Fundraising: meet the investors through our "Investor Challenge"
- Meet the buyers and design business models
- Internationalise your business and scale-up

## Build profiles

- Increase your visibility at European and International levels
- Gain exposure at local, regional, national gatherings for your brand



| Priority area / Ecosystem  | Northern Ireland (UK) | Manchester (UK) | Catalonia (Spain) | Athens (Greece) | Oulu (Finland) | Scotland (UK) |
|--|-----------------------|-----------------|-------------------|-----------------|----------------|---------------|
| Medicines Management   | X                     | X               |                   |                 |                |               |
| Big Data (health analytics, risk stratification)                   | X                     |                 | X                 |                 |                |               |
| eHealth Strategy (development/ alignment/ delivery)                | X                     |                 | X                 | X               | X              |               |
| Integrated Care  |                       | X               |                   |                 |                |               |
| Horizon 2020   |                       | X               |                   |                 |                |               |
| Chronic disease management (cardio-vascular health in Manchester)  |                       | X               | X                 |                 |                |               |
| E Prescriptions  |                       |                 |                   | X               |                |               |
| Health & Eco development   |                       |                 |                   | X               |                | X             |
| Resourcing opportunities   |                       |                 |                   |                 | X              |               |
| Diffuse innovation e.g. within NHS                                 |                       |                 |                   |                 |                | X             |
| Raising funds (innovative procurement models, new business models) | X                     |                 |                   |                 |                | X             |

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## European Connected Health Alliance

*Bringing Together the future of Health, social care & Wellness*

Website: [www.echalliance.com](http://www.echalliance.com)

Email: [info@echalliance.com](mailto:info@echalliance.com)



## French National Reference Centre for Home care and Independent Living

*French Silver Economy Strategy*

Website: [www.cnr-sante.fr](http://www.cnr-sante.fr)

Email: [contact@cnr-sante.fr](mailto:contact@cnr-sante.fr)



## OneMoreLife Community

*KIC for Healthy Living & Active Ageing*

Website: [www.onemorelife-community.eu](http://www.onemorelife-community.eu)

Email: [info@onemorelife-community.eu](mailto:info@onemorelife-community.eu)