



# Smart Health Solutions at the crossroads of Key Enabling Technologies

- XKET4HEALTH -



Ondersteund door

AGENTSCHAP  
INNOVEREN &  
ONDERNEMEN

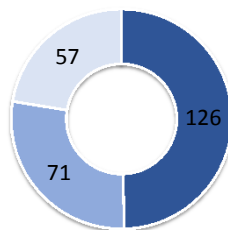


Vlaanderen  
is ondernemen

## A life sciences driven network economy

Flanders  
Life Sciences  
Hotspot

254 organizations




- with R&D activities
- with production activities
- dedicated competence providers

> 100  
additional  
technology  
providers

>62.000  
indirect jobs  
> 15.000 direct  
jobs

Companies are  
active in  
healthcare, agro  
and biobased  
applications

# FlandersBio since 12 years



Flanders  
Life Sciences  
Hotspot


## FlandersBio leads the life science driven network economy with 320 members

Key objective driven activities

- Knowledge valorisation
- Talent
- Internationalisation
- Familiarisation
- Supportive environment

*We bring partners together in excellence*

## THE PERFECT STORM IN HEALTH MANAGEMENT SPACE



Unsustainable healthcare costs

The occurrence of mega-cities

Consumerism & digitization

Aging global population

Socio-economic & behavioral shifts

Global travel

New entrants moving into the health management space

Shift from curative to preventive

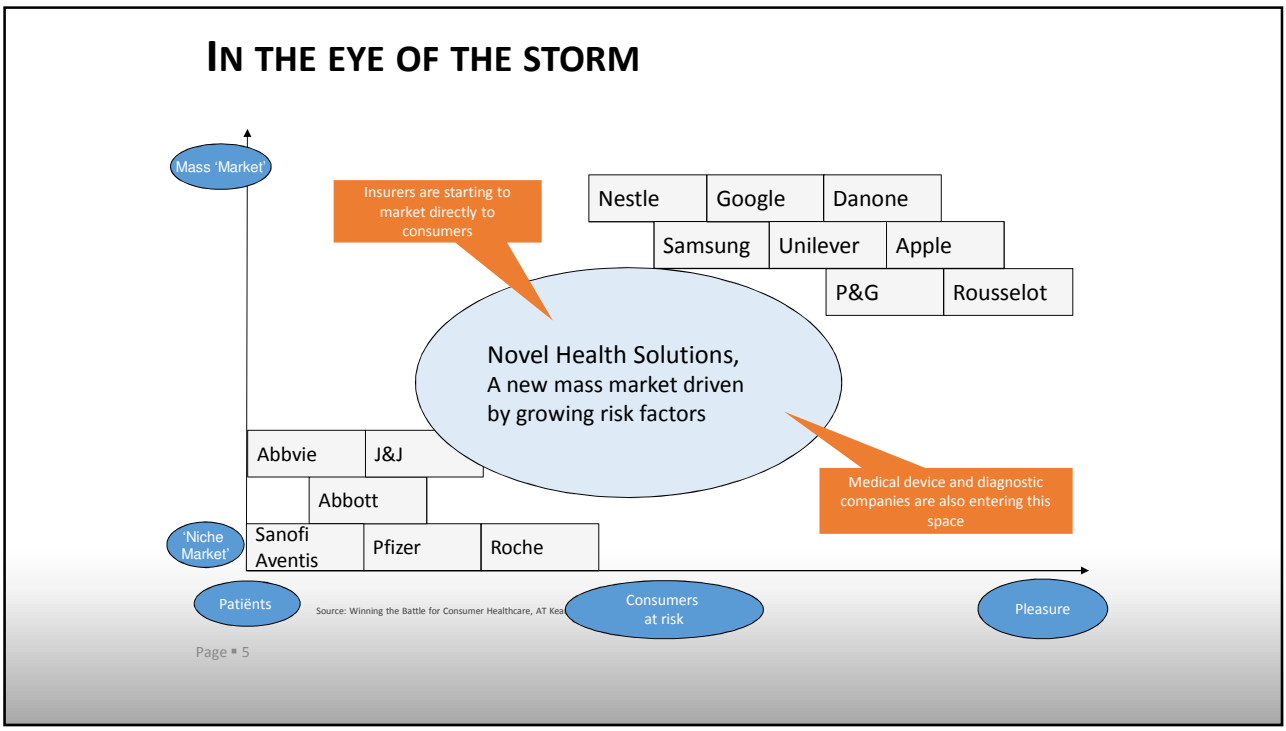
Precision medicine, precision diagnostics

Social media

Data management systems

Health awareness and management

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## NOVEL HEALTH SOLUTION EXAMPLES

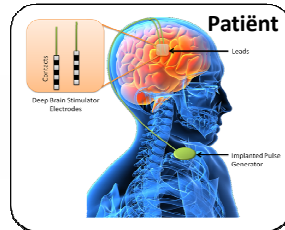
*Innovative Delivery System for Senior Nutrition*

08 December 2014 The Dutch start-up Fortified Food Coatings BV collaborated with Rousselot and DSM on a ready meal concept for the elderly, where nutrients [such as a blend of collagen peptides, vitamin D3 and calcium] are blended in a thin layer of gelatine that is sprayed over the meal and also stops the food from sliding on the plate, even when held at an angle. The concept is ideal for foodservice suppliers for the care homes for the elderly, with the fortified blend improving the presentation on the plate.

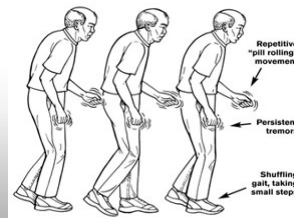
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## FROM LIVESTOCK PRECISION FARMING TO HEALTH MANAGEMENT

### Deep Brain stimulation



### Movement analysis systems



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## KEY ATTRIBUTES OF NOVEL HEALTH SOLUTIONS

Evidence based- and outcome- rather than technology-driven

Solicits consumer engagement and prevention

Driven from integrated dispersed data sources

Based on several integrated technology platforms

Stakeholder collaboration and co-creation essential

Individual consumers/patiënts are more and more at the centre

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# XKET4HEALTH REACHING OUR GOALS



## How can technology support our health?

Key Enabling Technology  
Micro/Nano-electronics

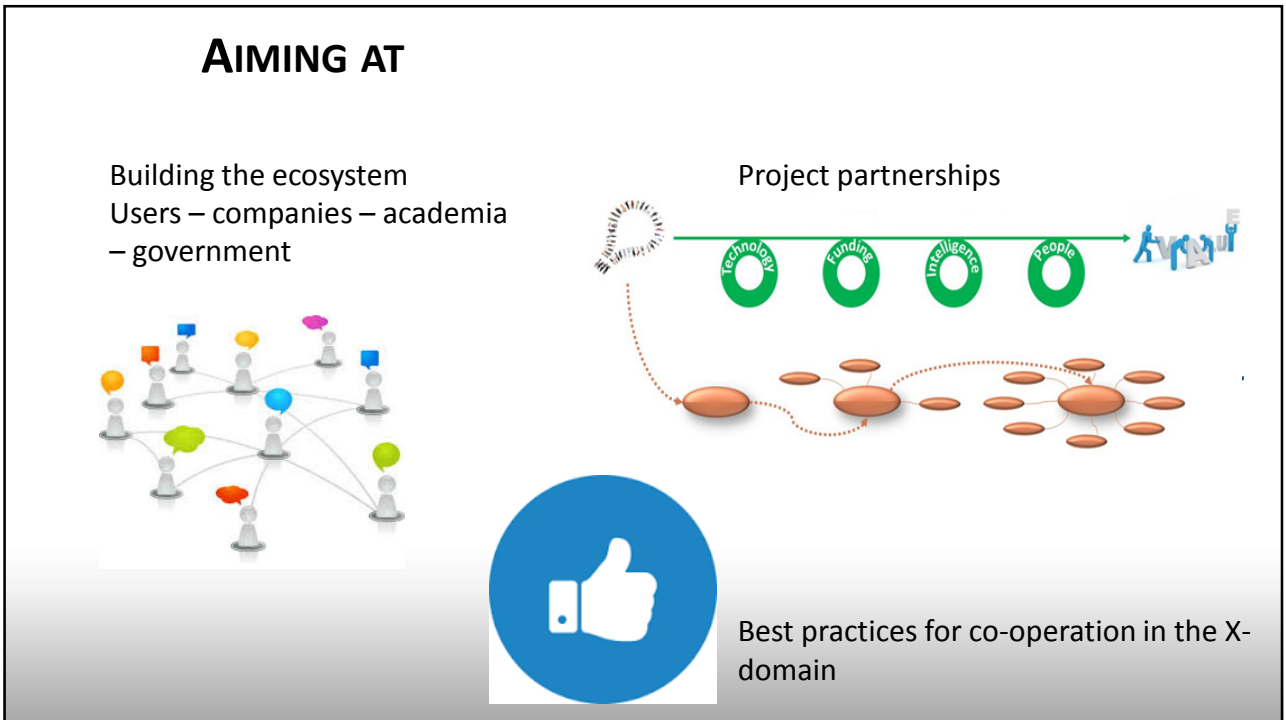
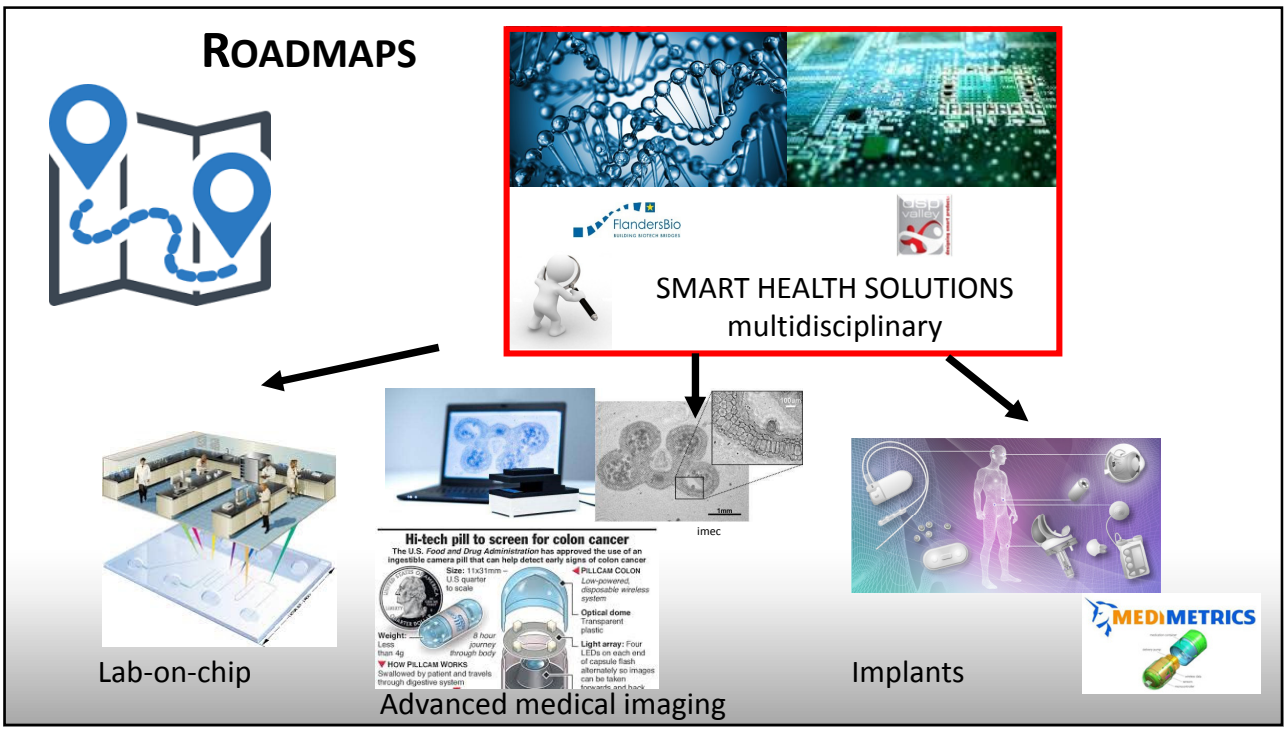


Key Enabling Technology  
Biotechnology/Life Sciences



# COMPETENCES





## WANT TO JOIN?



- Competences analysis - interviews
- Workshops (roadmapping, idea generation, future scenarios...)
- Information sessions
- Support for your idea (partners, funding opportunities, complementary expertise, future scenarios...)

## CONTACT US!



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