



FLANDERS INNOVATION HUB FOR SUSTAINABLE CHEMISTRY:
FLANDERS PRIVATE PUBLIC PARTNERSHIP ON CHEMISTRY

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Sustainability landscape

Resources



- Need for alternatives to fossil fuels
- A more efficient use of minerals is required

Processes



- Need for safer, environmentally friendlier processes
- Need for better control of processes

Products

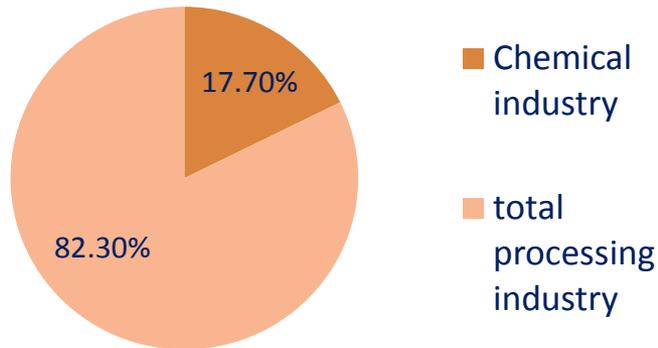


- Absolute control of waste
- Sustainable products instead of disposables

Chemical industry

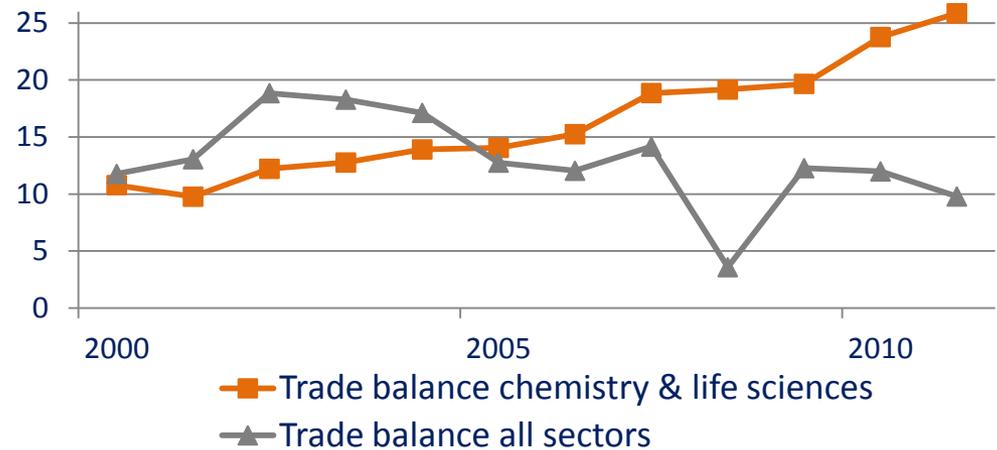
Labour creation

89.700 direct & 150.000 indirect jobs



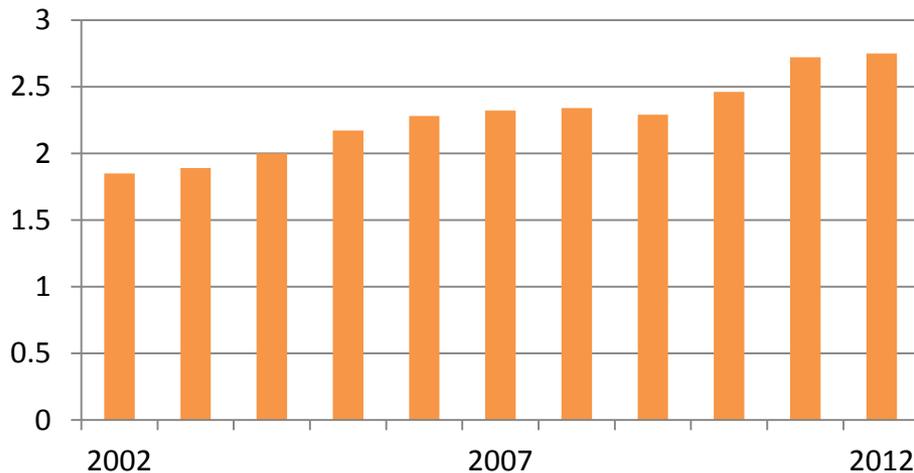
Trade balance

Billion €



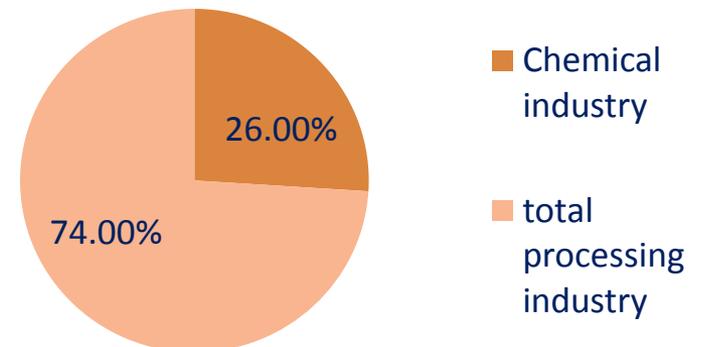
R&D expenditures

Billion €

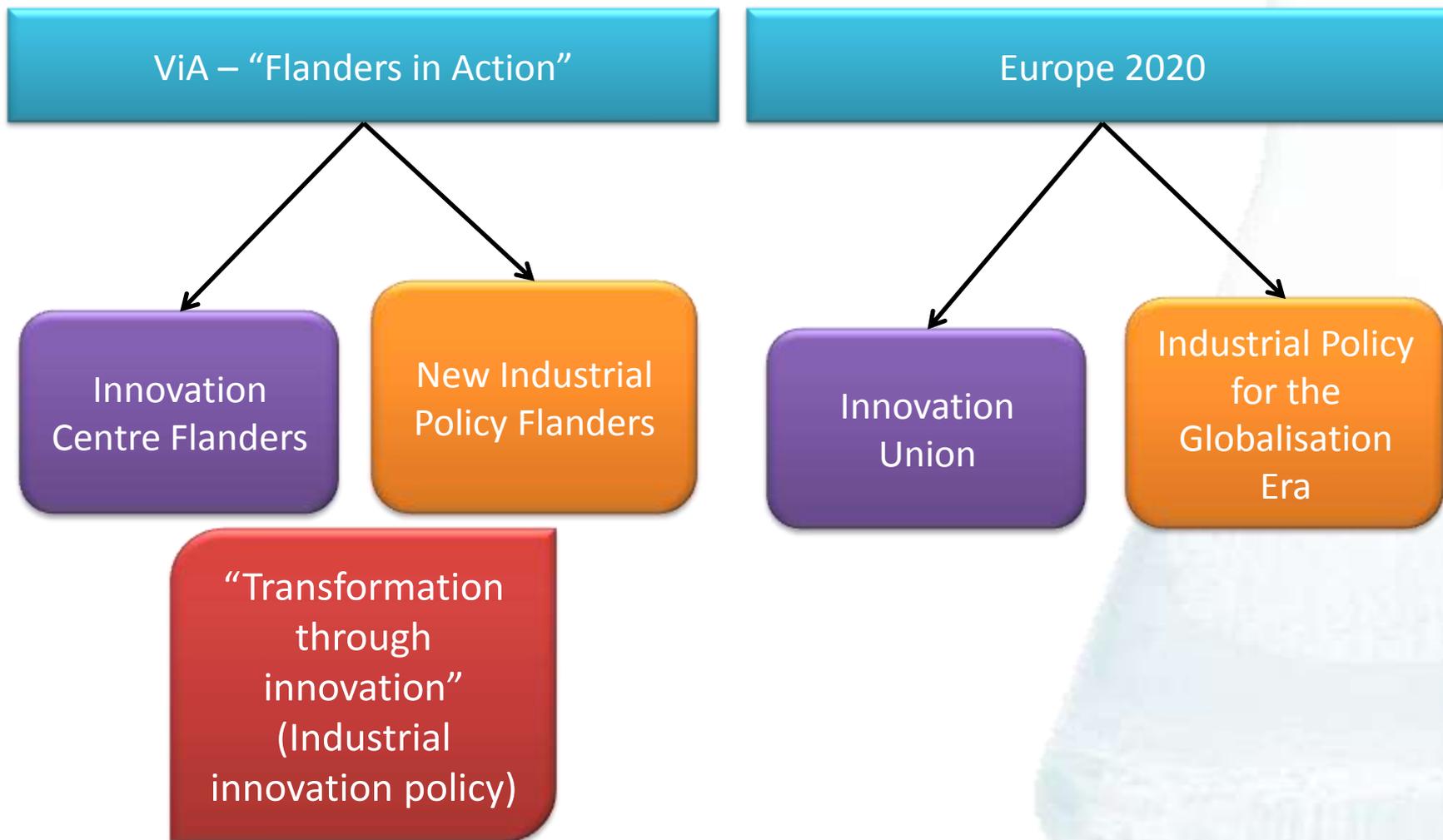


Investments

1,61 billion euro in 2012



The Global/European picture



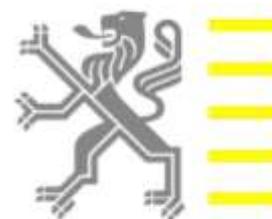
The foundation of FISCH



Chemical industry



Flemish government



**Catalyzing the transition towards sustainability
by stimulating innovations in chemistry**

FISCH identifies innovations in all aspects of the chemical value chain and facilitates, promotes and catalyzes the process of valorization.

**G
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L**

How to reach our goal

By setting up **innovation projects** that focus on **collective interests and gains** using the principles of **open innovation** within **7 sustainability themes (innovation programs)**

Creation of collective interests and gains

- Efficient use of available means
- Leverage the results
- Stimulate regional research and competence centers

Open innovation

- Collaboration with multiple (at least 3) companies & research centers
- regionally anchored (value)chain projects

7 innovation programs



Micro Algae

Miniature chemical factories

Resources

Renewable Chemicals

Using nature's power



Separation Technology

Purity is the name of the game

Processes

The smaller, the more efficient

Microprocess Technology



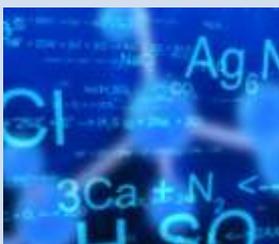
Polymer Recycling

Reusing polymers forever

Products

Sidestream Valorization

Waste becomes resource



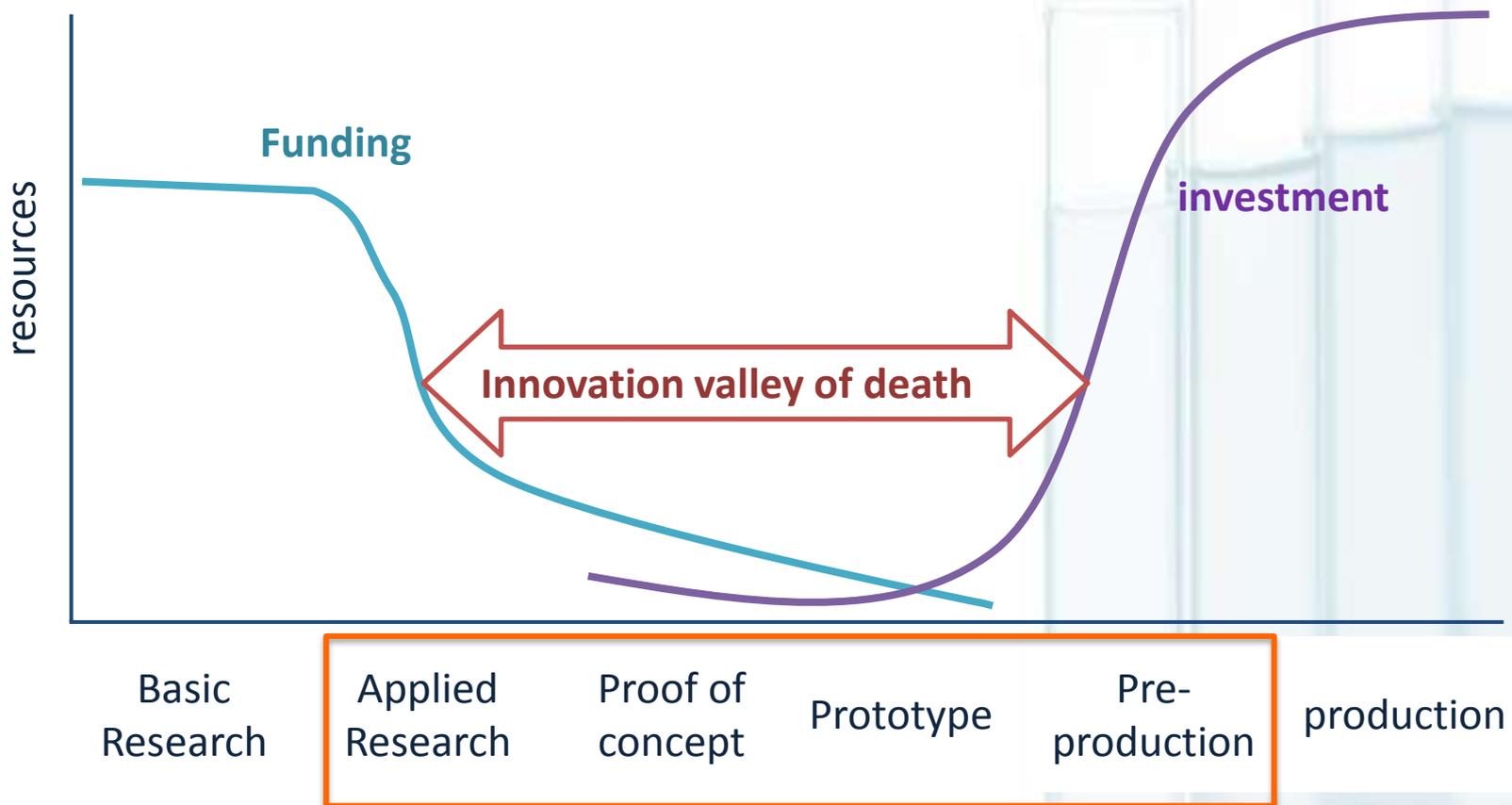
Knowledge Tools

Knowledge is power

Assessment

Project types

FISCH will bridge the “Valley of Death”



FISCH workfield

FISCH operational



Collective problem or Specific opportunity	Obtain knowledge	Open innovation: partner matching	Project definition & submission	Project funding	Project execution & monitoring
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FISCH TEAM ACTIVITIES

Team: 6 FTE

- Identify, stimulate and support research projects

Allocated budget

- Developing roadmaps for all 7 innovation programs
- Financial support for R&D and valorisation activities

Extra

- Cross-sectoral network

Project procedure

Specific innovation problem or opportunity supported by industry



Draw up Request For Partners (RFP)



Call for Partners:
sent out RFP to FISCH network



Parties subscribe to RFP:
Short proposal



Close consortium:
Selection best proposals by industry partners



Write full project proposal



Submission to and evaluation by IWT

Identification of opportunities and matching driving industrial partners

Set up work packages and select execution partners

Write-up project proposal

Submit for approval funding

Advantages

For companies and knowledge institutions:

- ✓ **Focused** goals & targets
- ✓ Fit with the agenda & goals of the **New Industrial Policy**
- ✓ Acces to an earmarked **FISCH project funding budget**
- ✓ Acces to a broad **network** of innovative partners
- ✓ **Support** with the initiation of project by the FISCH team
- ✓ Acces to **knowledge and competences**

How to get started

You have a project idea or potential opportunity, with or without partners identified

- ✓ FISCH team can help to define a project
- ✓ FISCH can identify necessary partners and facilitate the cooperation
- ✓ FISCH can provide support from it's own earmarked budget



Contact the FISCH-team



Thank You!
Questions?

Keep me informed!

Go to www.fi-sch.be and register to receive notifications about upcoming projects!

