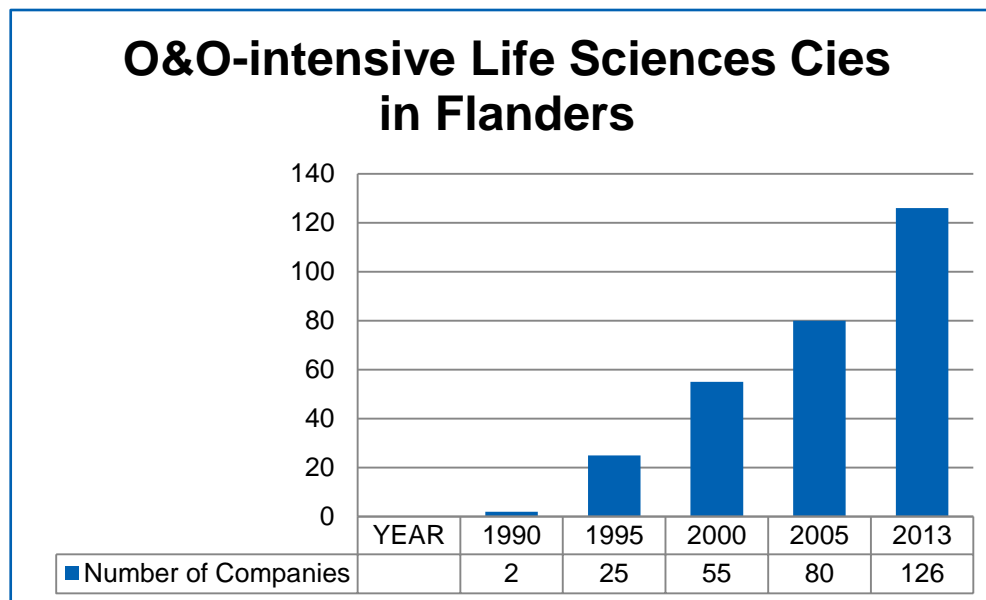


Flanders: A life sciences driven network economy

Willem Dhooge, FlandersBio

It all started in the 1980's

- Prof. Van Montagu and Schell (food and agriculture)
- Prof. Fiers (vaccin for flu)
- Prof. Collen (heart failure treatment)
- Dr. Paul Janssen (wide range of health solutions)



World class research institutes & universities

Strategic research centres with an economic focus

VIB (1996)

- Biotechnology
 - >1300 researchers
 - Universities
Antwerpen, VUB,
UGent, KU Leuven
- International liasons with
pharma & biotech industry
- www.vib.be

IMEC (1984)

- Nanotechnology
 - > 2000 employees
 - HQ: Leuven
- International liasons with
industry
- www.imec.be

VITO (1991)

- Technology solutions
 - > 700 researchers
 - HQ: Geel
- International liasons with
industry
- www.vito.be



Vrije
Universiteit
Brussel

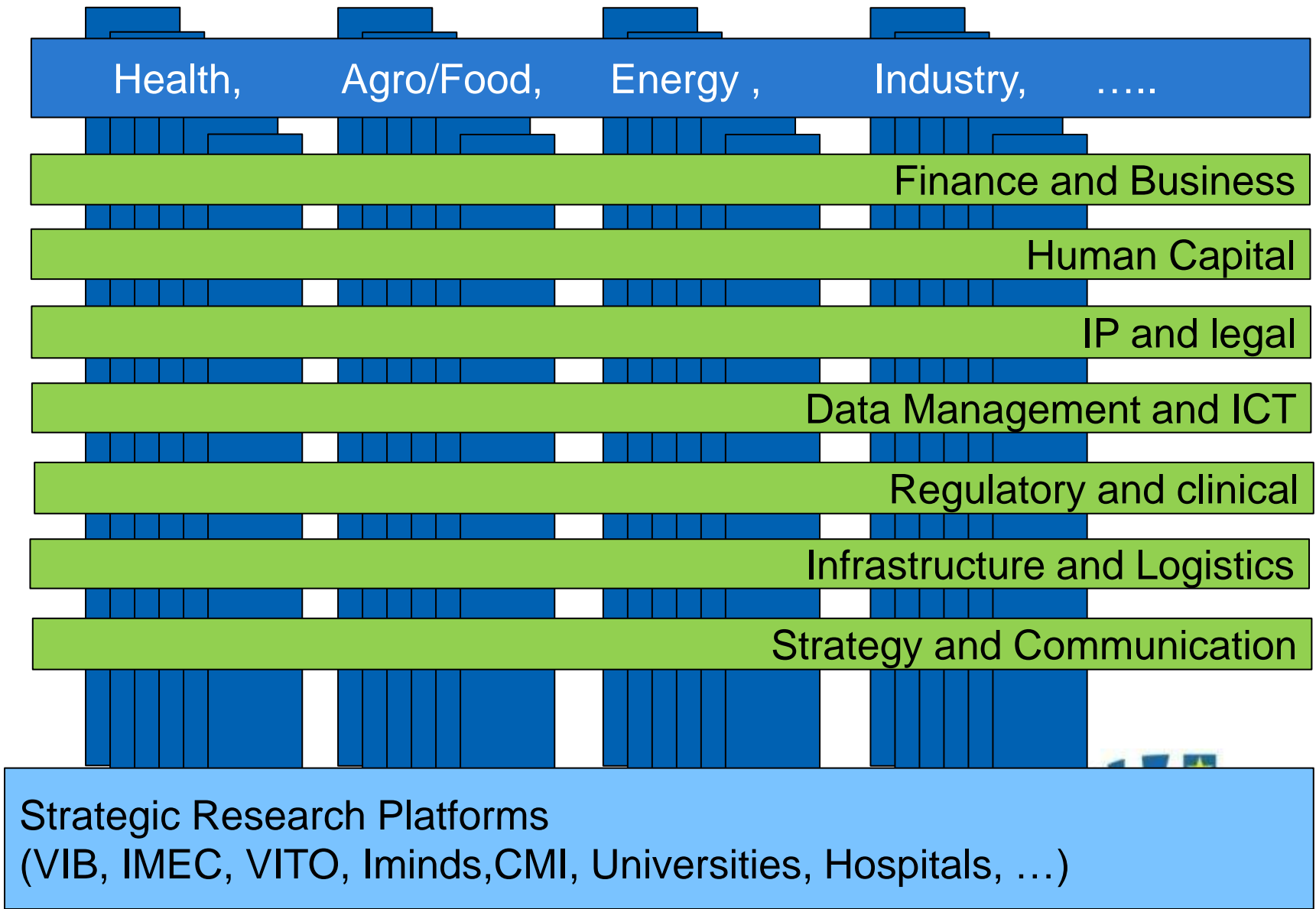


Flanders: a Life Sciences driven network economy

- World class research institutes & universities
- 254 organisations in the Life sciences cluster in Flanders
 - 126 with R&D activities
 - 71 with production activities
 - 57 providing dedicated competence companies
- Additional network of competence and technology providers (>100 companies)



The Life Sciences driven network economy



Recognition by the international financial press

Chicago Tribune BUSINESS

[Front Page](#) | [News](#) | [Sports](#) | **[Business](#)** | [Lifestyles](#) | [Opinion](#) | [A&E](#)

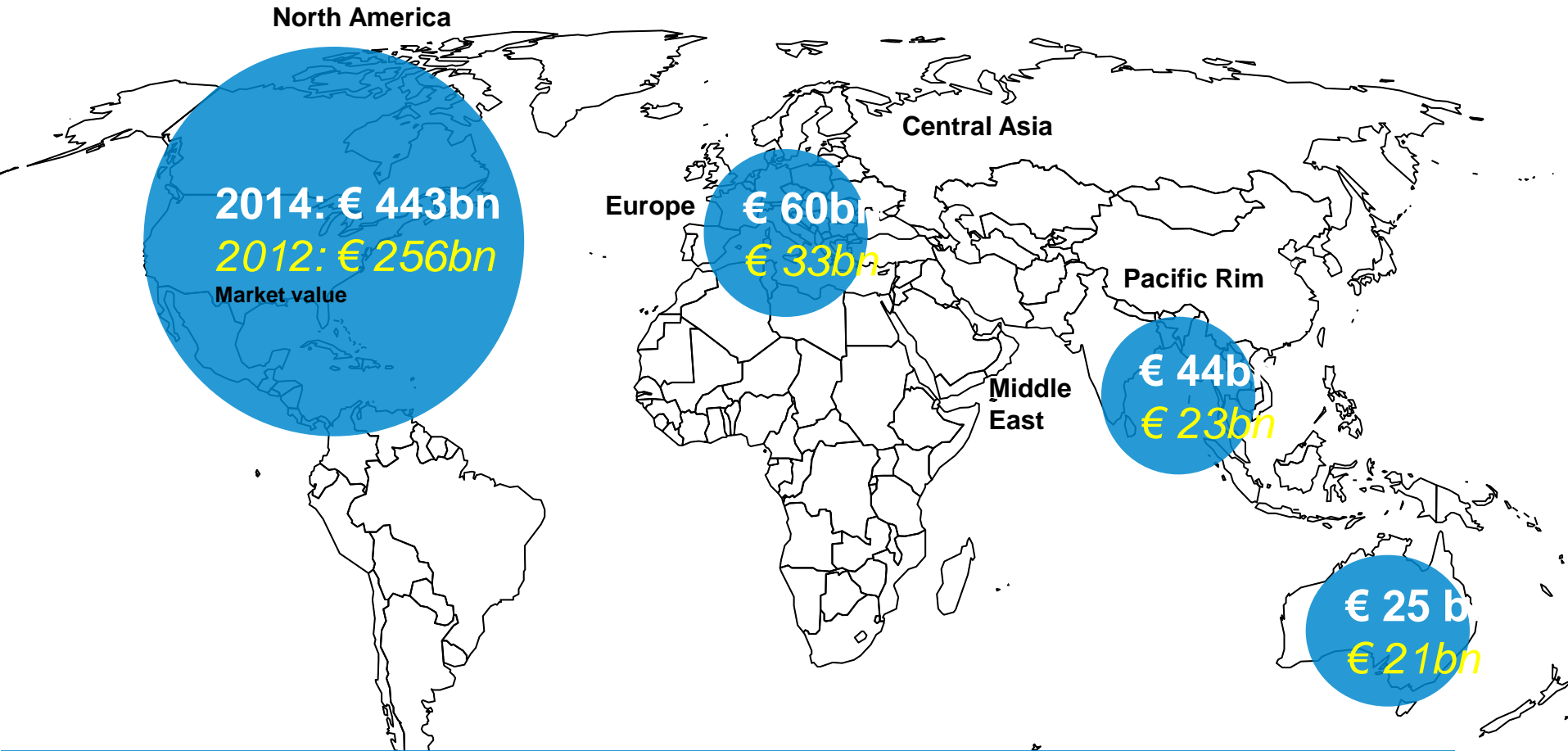
[Home](#) > [Featured Articles](#) > [Belgium](#)

Analysis: Maturing Belgian biotechs outshine European peers

Ads

October 04, 2012 | [Ben Deighton](#) | [Reuters](#)

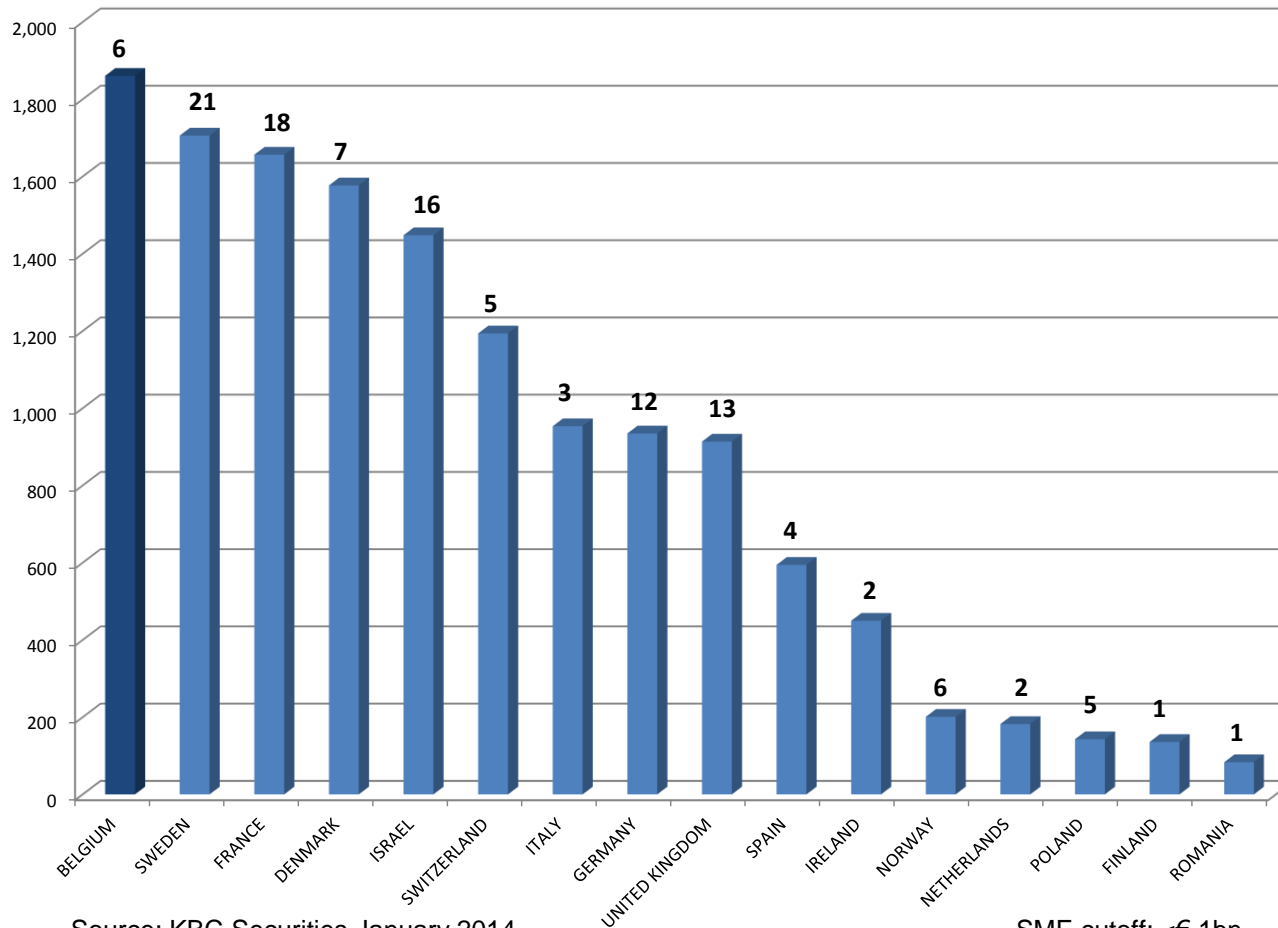
Global market Cap Biotech Companies: €570bn



Belgian biotech market cap: € 12mrd, 20% European biotech market cap

Belgian Biotech market cap at the top in Europe

Consolidated market cap per country (biotech companies mcap <€ 1mrd)



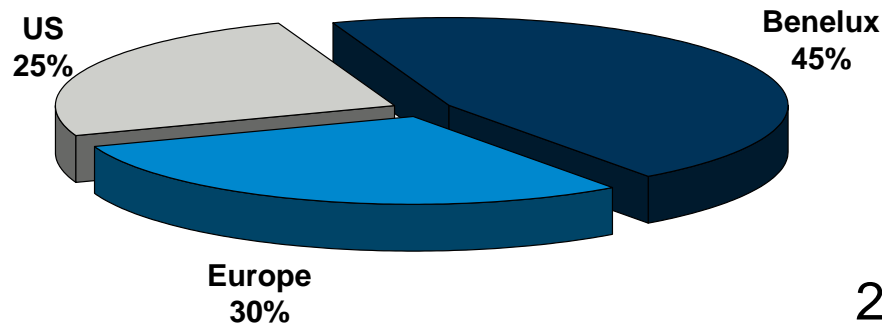
Source: KBC Securities January 2014

SME cutoff: <€ 1bn

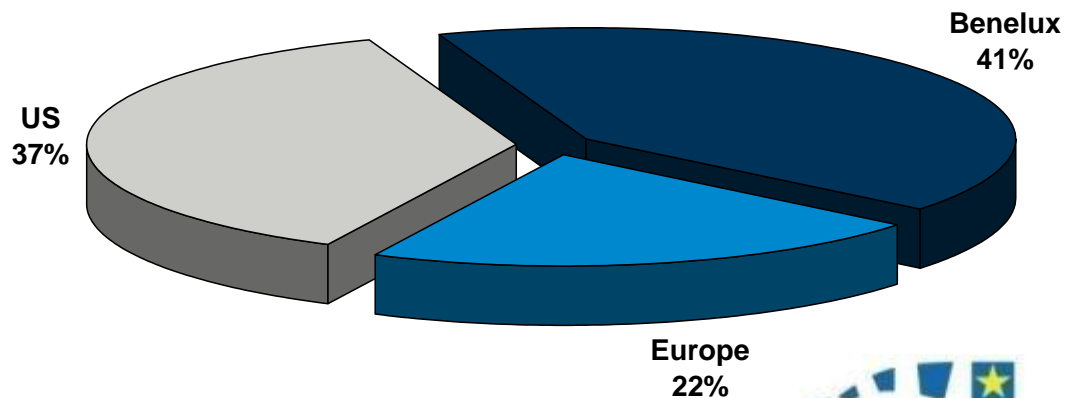


Increasing interest from abroad investor groups

2010: total value: ~€ 1mrd



2014: total value: >€ 2mrd



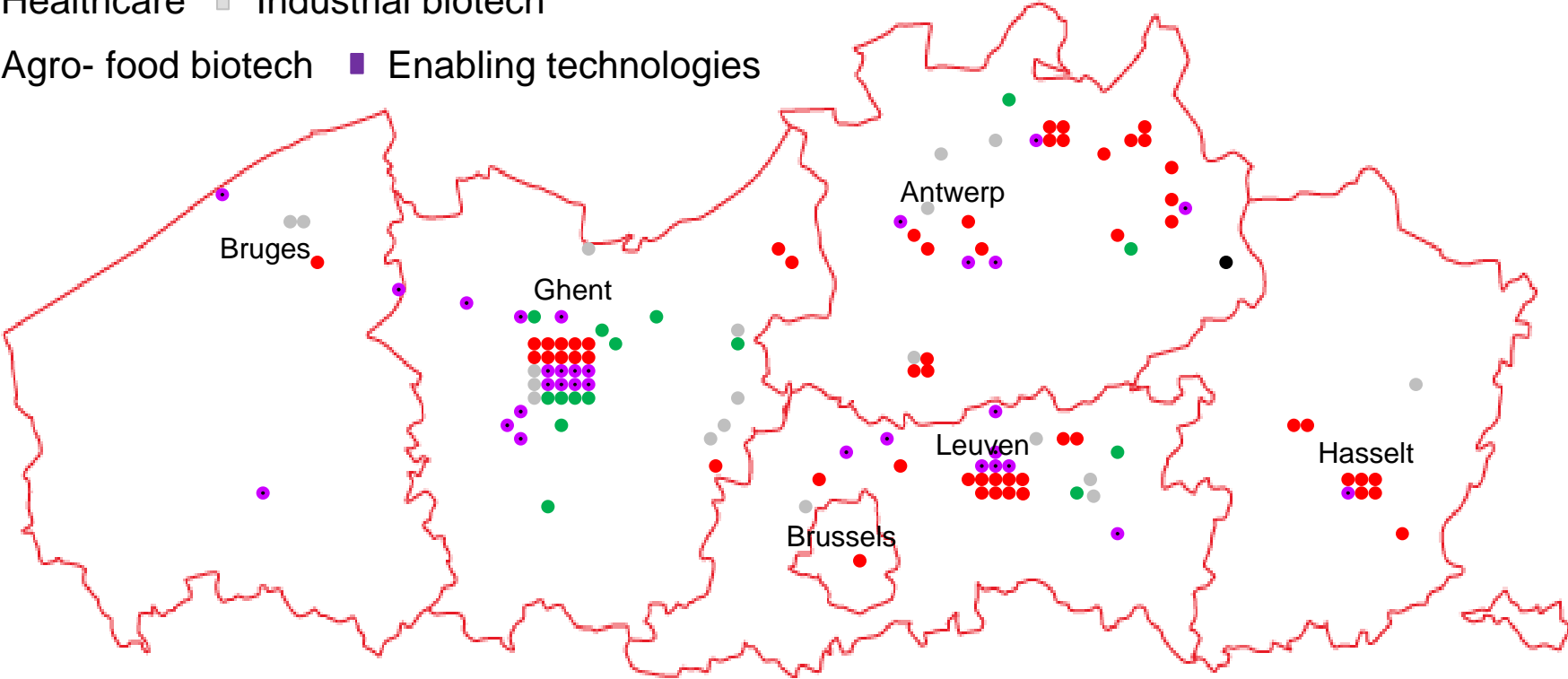
Source: KBC Securities

Flanders: The life sciences driven network economy

- > 15,000 direct jobs in biotech R&D companies and growing!!
- > 62,000 jobs indirect jobs
- > 1 B euro yearly investment in biotech R&D
- The local bio-pharma companies have a total of
 - >€ 8 Billion total potential value of licensing deals signed since 2005
 - >€ 1 Billion received so far in milestone and R&D payments
- Local biotech companies successfully launched on the Belgian and international stock markets
 - 10 IPOs since 2005
 - Market Cap of 6 listed Co's (01/2014) **2 Billion Euro**
- Several successful trade sales of companies
 - e.g. Plant Genetic Systems, Innogenetics, CropDesign, Devgen, Tibotec-Virco... for a total value of **>2 Billion Euro**
 - All these companies are still active and growing in employment

Life sciences driven companies spread in Flanders

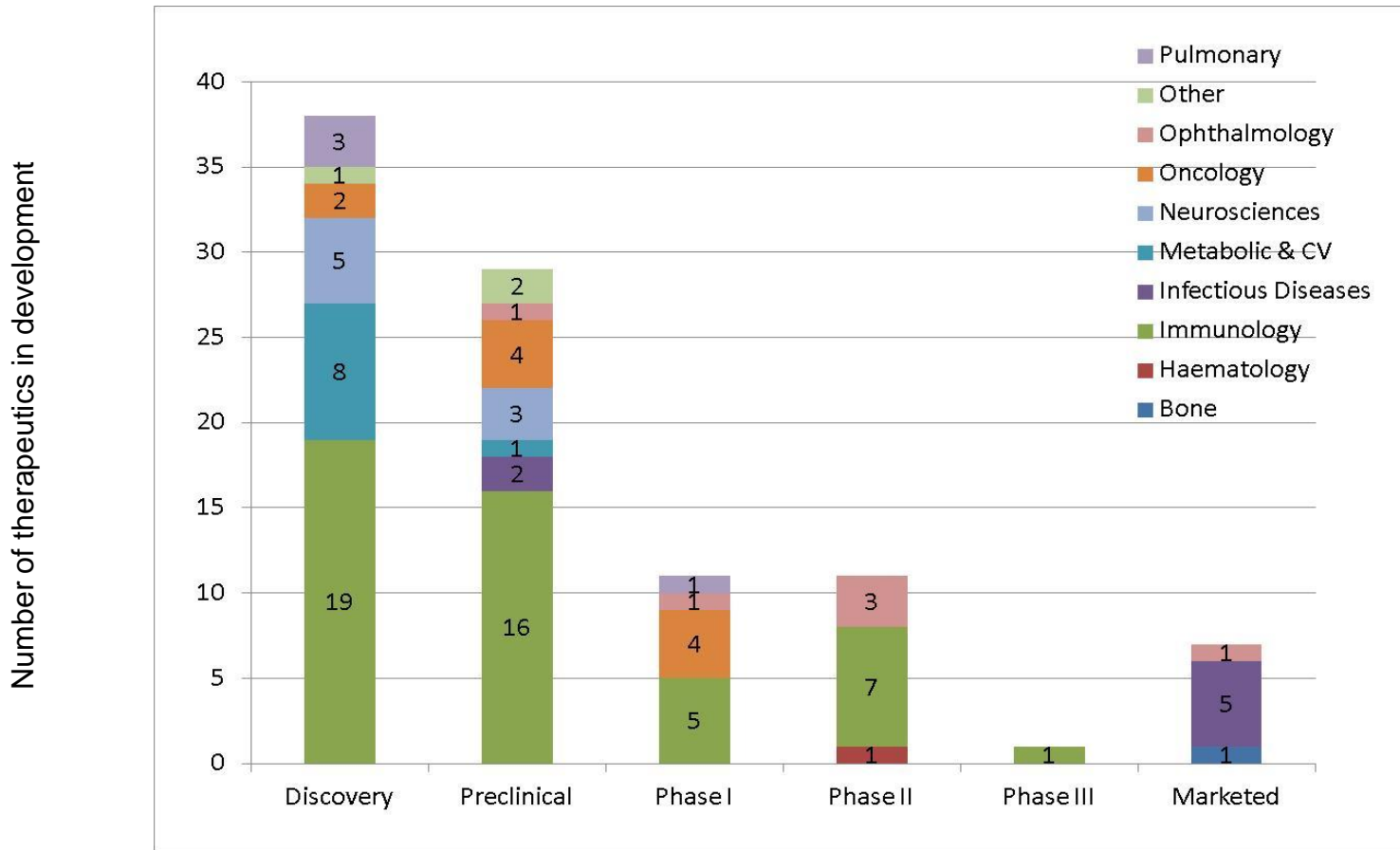
- Healthcare
- Industrial biotech
- Agro- food biotech
- Enabling technologies



Health Solution companies in Flanders – a subset



Pipeline of Health Solution companies



SMEs

130 products in the pipeline (SME + big pharma)

46 products in clinical trials

5 products in status of approval

13 products on the market

Clinical trials excellence

- **N°1 worldwide in clinical trials per capita**
- **Highest number of drugs in development per capita**
 - **5% of the top 100 drugs are developed in Belgium**
- **The highest number of phase 1 clinical trials per capita in Europe**



Bio-based solution companies in Flanders – a subset



Innovative and progressive

Science For A Better Life



ALGIST BRUGGEMAN



a BASF Plant Science Company



Ghent: largest R&D cluster plant biotech in Europe



Syngenta

Bio-Accelerator 1&2

VIB

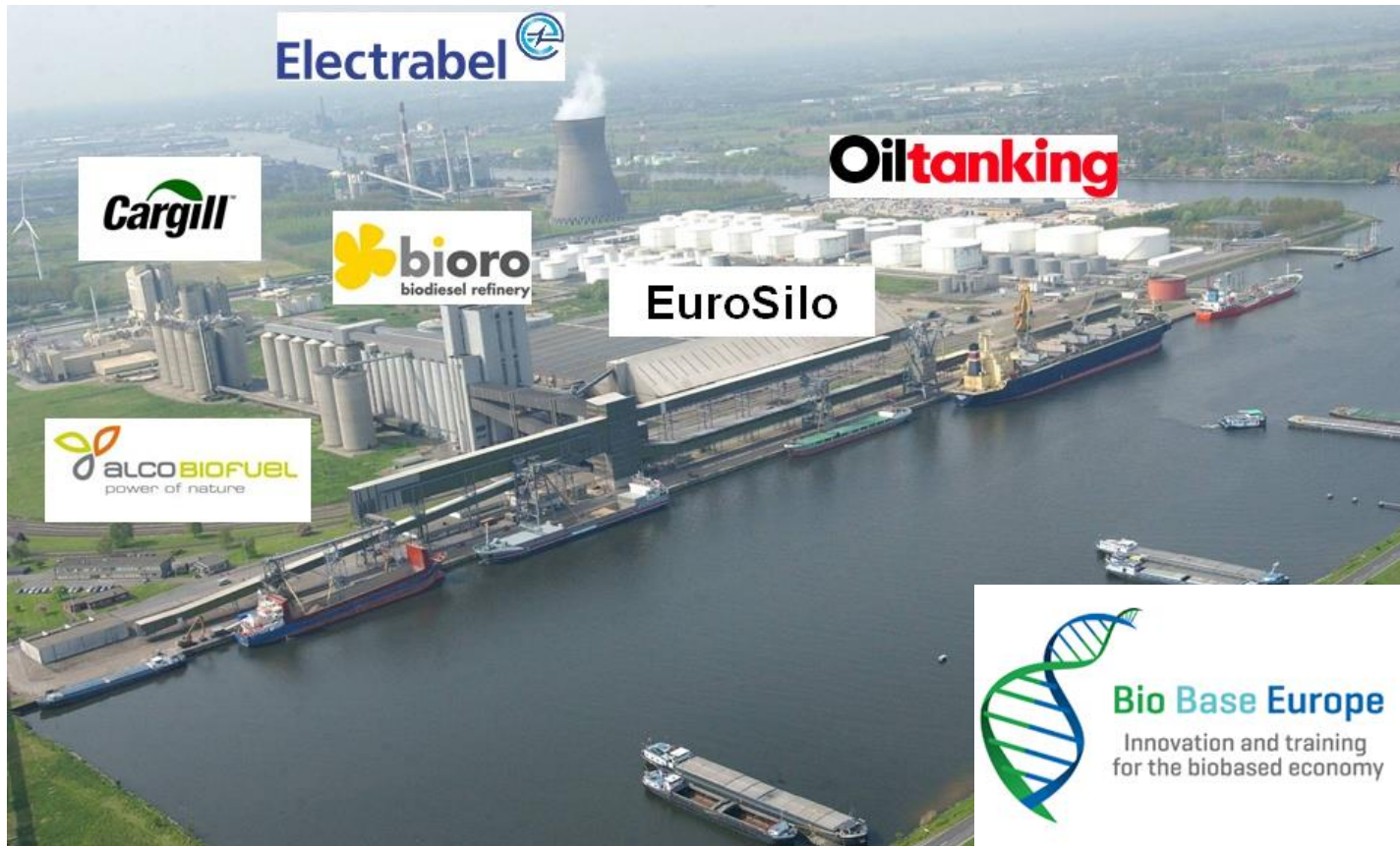
Bayer Crop Science

Bioincubator

BASF CropDesign

Bio Base Europe - integrated bioindustry cluster in Ghent

> 500 million Euro investments from 2007 - 2012



FlandersBio since 10 years

FlandersBio: leads the life science driven network economy with 280 active members

Key objectives:

- **Knowledge exchange and valorisation**
- **Talent pool**
- **Internationalisation**
- **Acceptance and familiarisation**
- **Supportive environment**

'In partnership for excellence'

Networking & Fostering Collaborations

knowledge for
growth
21 May 2015



Europe's leading regional biotech convention

- Annual Life Sciences Convention
- > 1100 participants (2014)
- > 320 companies (2014)
- Excellent business programme
- Exhibitions for companies and universities
- Job Fair

Thank you!

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Strategic partners FlandersBio

