

CEFOCHIM: a competence center working for a more competitive Wallonia



CONSTRUIRE LE FUTUR DE LA CHIMIE ET DES SCIENCES DE LA VIE



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Agenda

1. Overview of regional activities on industrial policy/competitiveness in the chemical sector

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- Essenscia - Walrip
- Greenwin
- Biowin

2. Cefochim

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- Public targets
- Trainings: why?
- Trainings: companies / jobseekers / Students and teachers
- Training equipment
- Conclusion: assets



Overview of regional activities on industrial policy/competitiveness in the chemical sector



CEFOCHIM: introduction

Competence center
and training
for careers in the
production of chemical
and (bio)
pharmaceutical



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Types of training offered

(Bio)Pharmaceutical:

Fermentation, Chromato...

Chemical Engineering:

Reactor, distillation column

Maintenance:

Utilities

Analytical chemistry:

HPLC, GC, GCMS, UPLC...

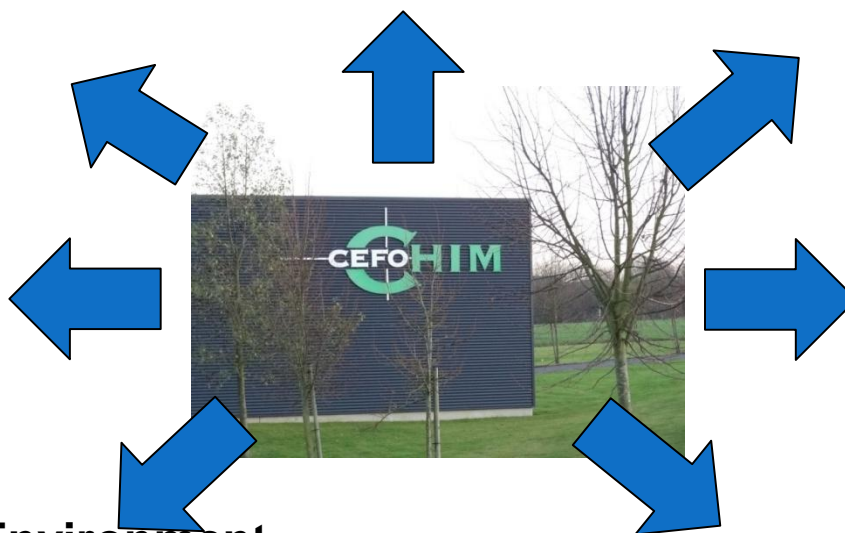
transversal skills:

Validation of skills and Distance Learning

Safety, Protection of Environment and Quality

Instrumentation / Control

Automation and computer-assisted control





CEFOCHIM's history

2003

Center inauguration

- Estimated 40,000 hours of training / year
- Funding by the Chemical Sector Training Fund

2006

LABELLED « Competence Center » and designated BLOWIN Reference Center

2013

Building « BIOPHARMA »





Partners



CEFOCHIM : figures

➤ Staff:

- Internal trainers: 18
- Management and Administrative Support: 5
- + External Trainers: 13

➤ Total area: 2,100 sqm / floor: 1.400 m²

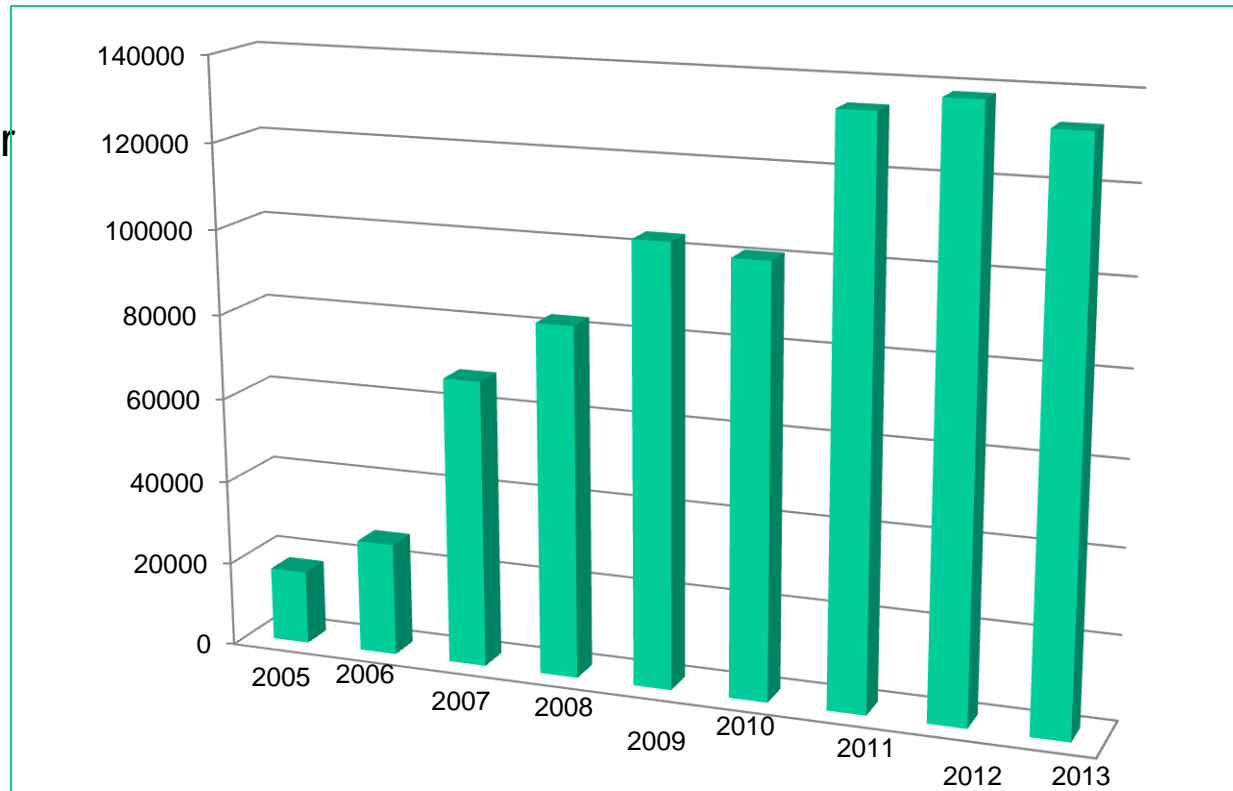
- Rooms / Building biopharma / Hall / Labs

➤ Costs

- Didactic Equipment: € 1,740,000
- Building biopharma: 850.000 €
- ZAC: 750.000 €
- Facilities: € 540,000

CEFOCHIM

Hours / year



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CEFOCHIM: public targets

- **Workers in the chemistry sector**
- **Job seekers**
- **Students of technical and higher secondary**



Training: why?

- ✓ Acquire new techniques / methods
- ✓ Ensure the quality of the product (GMP, ISO9002)
- ✓ Avoid accidents
- ✓ Increase yield (production / energy)
- ✓ Understand and apply the rules:
health / safety / environment

Training: why?

- ✓ Respond effectively within the rules
(understanding of the process, problem analysis, reaction)
 - ✓ Reduce maintenance / emergency response
 - ✓ Know and apply charges (GMP, GLP, welfare law ...)
 - ✓ Motivate staff
-

Training: companies

- **100 trainings available for companies**
 - Short-term (1 to 6 days)
 - Medium term (several weeks)
- **For all workers:** operators, technicians, foremen,
- **Companies:** Afton, Air Liquide, BASF, Baxter, Chemviron, Exxon, GSK, Prayon, Total, Solvay, Vandeputte, UCB, Yara, ...

Trainings: jobseekers



Long-term :

- Technicians biotech production.
- Operators biotech production.
- instrumentalists
- Technicians sp. cell Cultures
- Pharmacy technicians / Biotech
- Technicians in green chemistry
- Operators in Green Chemistry
- Expert in Clinical Research

Training equipment



➤ Teaching facilities

- Classrooms (10)
- Computer room
- Control room

➤ Technical rooms

- Labs (5)
- Hall (5 suites) and zone Atex)

➤ Aseptic area (zones D, C,B)->

ZAC

➤ 1 packing



ZAC



Conclusion: assets



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**Thank you
for your
attention**



Overview of regional activities on industrial policy/competitiveness in the chemical sector

The Walloon cluster strategy in the chemical sector includes:

→ **Plastiwin** : initiated by the plastic product division of **Essenscia**

-52 companies, 4 research centers and 5 training centers.

-networking organization

-main mission: to strengthen the economic, technical and commercial potential of its members.

-Important sector in Wallonia

-three main types of actors:

- the manufacturers of materials
- Processors who produce finished or semi-finished products
- Providers of expertise



Overview of regional activities on industrial policy/competitiveness in the chemical sector

Since 2007, essencia has accompanied SMEs in the implementation of REACH and CLP via two regional projects:

- Vlaanderen REACH Implementatie Projecten (**VLARIP**) in Flanders
- Wallonie Reach Implementation Programme (**WALRIP**) in the Walloon region

The projects assist SMEs:

- To build a REACH and CLP strategy
- To improve communication in the supply chain
- To substitute unsafe chemicals

- by training on REACH & CLP requirements
- by giving updates on changes in REACH & CLP
- by creating a network

The logo for walrip, with 'wal' in dark grey, 'rip' in dark grey, and 'r' in orange.

Overview of regional activities on industrial policy/competitiveness in the chemical sector

→ **Greenwin** was set up in response to the request from **Essenscia** of promoting green chemistry

-Greenwin covers the following areas:

- chemical industry
- glass and steel manufacturers
- cement industry
- construction firm



Specifically, GreenWin provides its members with:

- A meeting platform
- A bracket for mounting projects
- An assistance in fundraising
- An international visibility

→ **The cluster is taking part in the ECRN project council**



Overview of regional activities on industrial policy/competitiveness in the chemical sector

→ BioWin is:

- the Health Cluster of Wallonia
- the regional reference player for all the stakeholders (companies, research centers and universities) involved in innovative R&D projects and/or skills development in the field of health biotechnology and medical technologies.

4 strategic development axis :

- Foster the emergence of innovative R&D projects in human and animal health
- Globally promote and position Walloon expertise
- Develop skills, attract and retain a highly qualified human capital
- Support the creation of collective technological infrastructures

→ Cefochim is the reference center of Biowin for Skills Development



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