

# RESEARCHERS WITHOUT BORDERS

## Research in Belgium

Paris | 11 -12 Dec. 2017



Belgium, in the heart of Europe,  
is a country of worldwide known **painters**



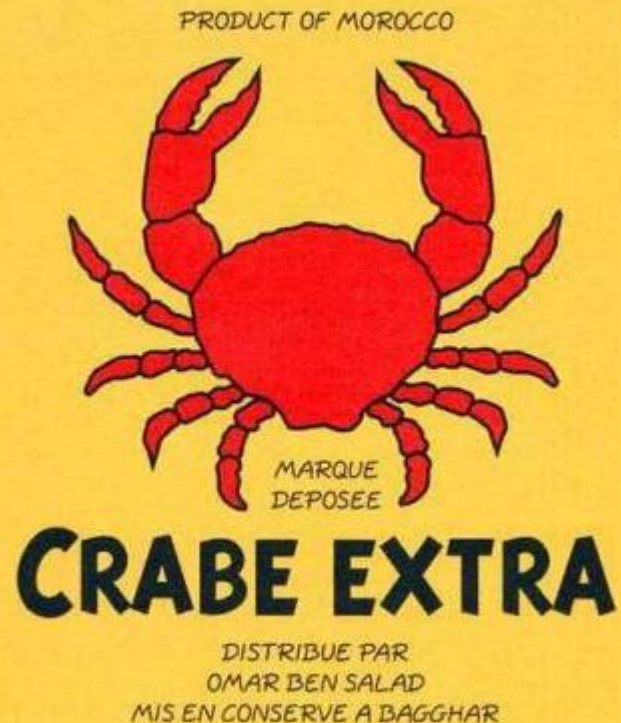
Belgium, in the heart of Europe,  
is a country of worldwide known musicians or  
**singers**



Belgium, in the heart of Europe,  
is a country of worldwide known traditions



Belgium, in the heart of Europe,  
is a country of worldwide known **gastronomy and  
beers**





Belgium, in the heart of Europe,  
is a country of worldwide known actors

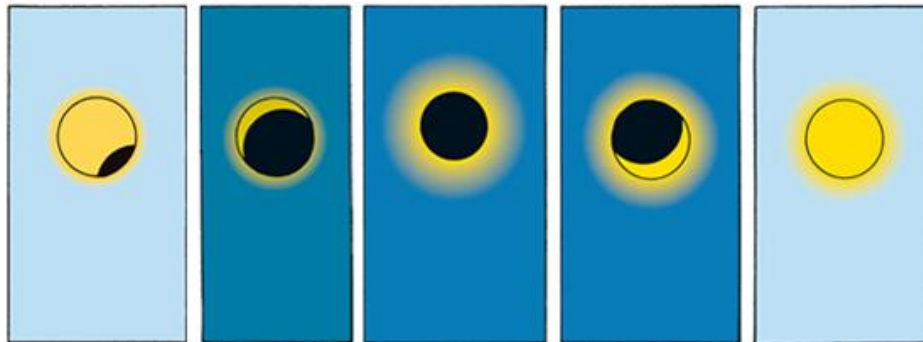


**FIN**

Belgium, in the heart of Europe,  
is a country of worldwide known **scientists** ...



Belgium, in the heart of Europe,  
is also a rainy (sometimes sunny ;- ) country !





Belgium, with its 11.10<sup>6</sup> inhabitants speaking Dutch, French and German (English is widely spread...), hosts the European Commission, the European Parliament, a lot of international organisations (within NGO's) and more than 1,000 lobby groups.



Belgium is also a federal state<sup>[a]</sup>, comprised of communities<sup>[b]</sup> and regions<sup>[c]</sup> with their own competences. In the research field too ...



[a]



[b]



[c]

If you want to explore the Moon, making research onboard of the *Belgica* vessel or dig the ice in Antarctica, so deal with a colleague of the federal level ...



# About the federal level

15 federal scientific institutes

aeronautics & space; polar or sustainable development;  
earth observation

Belgian participation to ESA / ESO / UNESCO / OECD...



LA BELGIQUE  
SE DOTE D'UNE  
AGENCE  
SPATIALE



C'EST PAS  
TROP TÔT!

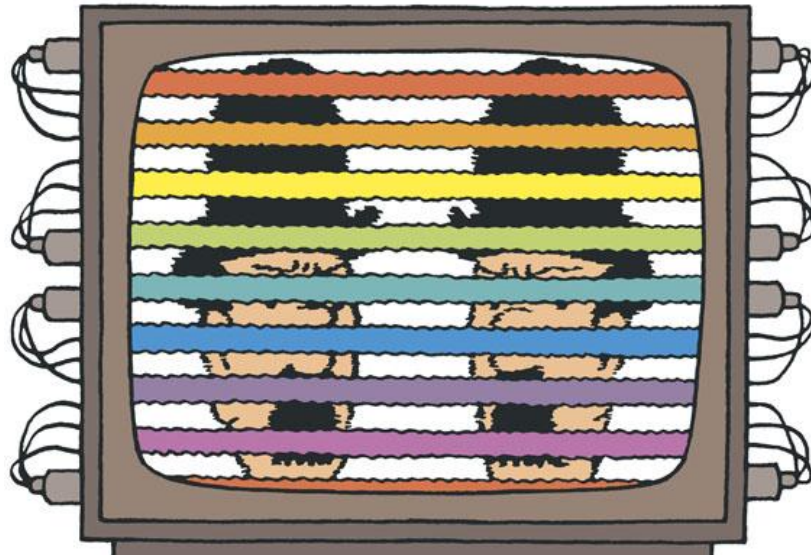
IL  
d'après Herzi



... but for technical and industrial research or performed in higher education institutions, you will deal with Regions and / or Communities.



In two words : beyond expectations.



# About the regional R&D landscape (and this is not the desert ...)

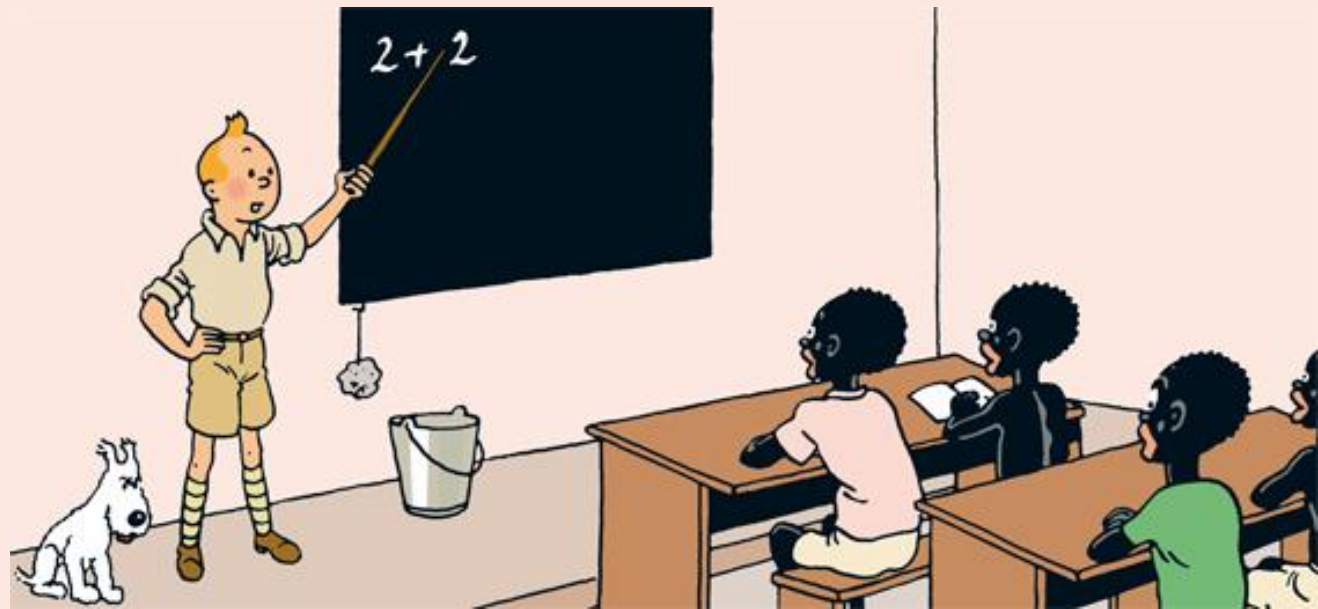


# academic landscape

6 universities

> 85,000 students (> 12,600 EU | > 5,900 non EU)

> 4,200 researchers



# academic landscape



[[www.studyinbelgium.be](http://www.studyinbelgium.be)]



# academic landscape



16 delegations  
[[www.wbi.be](http://www.wbi.be)]

# academic landscape



# academic landscape

institutions abroad

Fondation Biermans - Lapôte (Paris)

Academia Belgica (Rome)

École belge d'Athènes

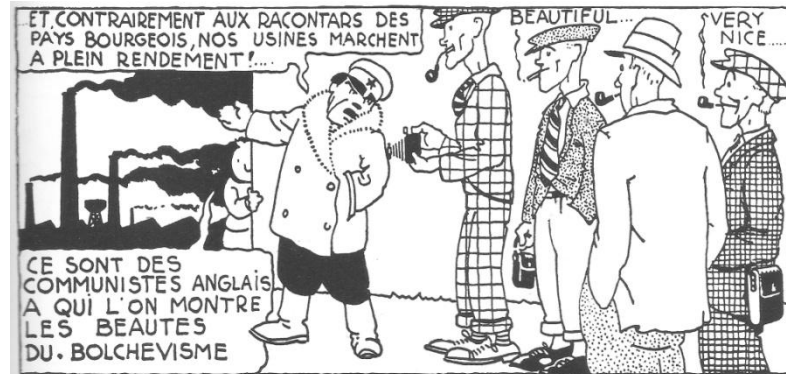
Jungfraujoch & Gornergrat high altitude Stations (Bern)



## research landscape (companies)

a lot of (multi)national companies active in agrofood, life sciences, transport & logistics, aeronautics & space, engineering & new materials, biomedicine, construction, ICT ... employing more than 5,500 researchers

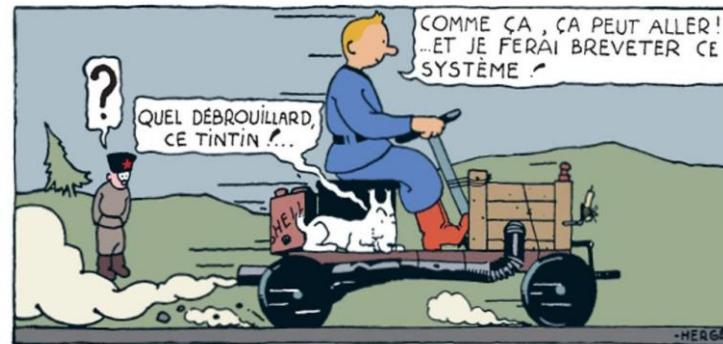
[[www.entreprisedewallonie.be](http://www.entreprisedewallonie.be)]



# research landscape (research centres)

20 public accredited research centres involved in coatings, glass & ceramics / stone, NMP, wood industries... supporting SMEs and universities

[[www.accord-wallonie.be](http://www.accord-wallonie.be)]





## research landscape (clusters)

13 competitive clusters supporting more than 200  
R&D active SME's

[[www.clusters.wallonia.be](http://www.clusters.wallonia.be)]

# research landscape (ministry)

two departments :  
research programmes + technology development



# research landscape (ministry)

## research programmes department



**6+6+5**

**6 PÔLES DE COMPÉTITIVITÉS ACTIFS**, par exemple, dans l'ingénierie mécanique, l'agro-alimentaire ou encore la chimie verte, **6 CLUSTERS** réunissant plusieurs centaines d'entreprises dans le secteur des TIC, de la plasturgie ou de l'environnement et **5 UNIVERSITÉS COMPLÈTES** en Wallonie et à Bruxelles

**9 SPIN OFFS** créées en 2016 grâce au programme FIRST éponyme

**6+6**

**AGENTS DE LIAISON SCIENTIFIQUE** en poste aux États-Unis, au Canada, au Brésil, en Allemagne, en Suisse et en Scandinavie

**AGENTS DISPONIBLES** pour l'accompagnement de projets internationaux au sein du NCP Wallonie

**1 INSTITUT WALLON VIRTUEL DE RECHERCHE** d'excellence dans le domaine des sciences de la vie

**PLUS DE 100 CONTRATS D'EXPERTS** signés en 2016 pour des missions de peer review



**24 AGENTS** dans le Département des programmes de recherche, dont 5 financés en tout ou en partie par la Commission européenne (6 femmes / 18 hommes | 21 TPI / 3 TP)



**2 ACCORDS DE COLLABORATION INTERNATIONAUX** avec la France et Le Brésil, État de São Paulo

**28**

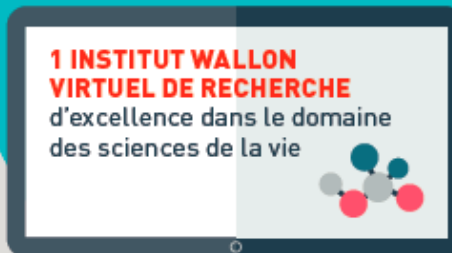
missions à l'étranger pour défendre les intérêts wallons



**22**

**CENTRES DE RECHERCHE AGRÉÉS** aux compétences variées : de la gestion et du traitement de l'eau à la recherche métallurgique en passant par l'aéronautique et les biotechnologies

Plus de **150 CONVENTIONS** établies en 2016 avec des entreprises, des universités et des centres de recherche



**research landscape (ministry)**

**research programmes department**

**regional programmes**

- ‘CWALity développement expérimental’
- WALInnov
- First

# **research landscape (ministry)**

research programmes department

## **federal and international programmes**

- participation of Walloon R&D actors to international programmes (Eureka!, Eurostars, ERAnets ...-
- management of cofunded programmes (Feder, Interreg)
- comitology





# research landscape (ministry)

technology development department

« accompagnement de la recherche »

- direct support for a new product
- patent
- hiring

# research landscape (ministry)

technology development department

## research projects

- industrial development project
- experimental development project
- prototyping



# research landscape (ministry)

technology development department

## dissemination

- scientific magazine
- contests
- sponsoring

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