

FLEMISH BRABANT FOCUS REGIONS

INTERNATIONAL COOPERATION WITH STRONG
KNOWLEDGE REGIONS

COPENHAGEN
RHEIN-NECKAR

NORTH BRABANT

CHENGDU

SKÅNE



FLEMISH
BRABANT

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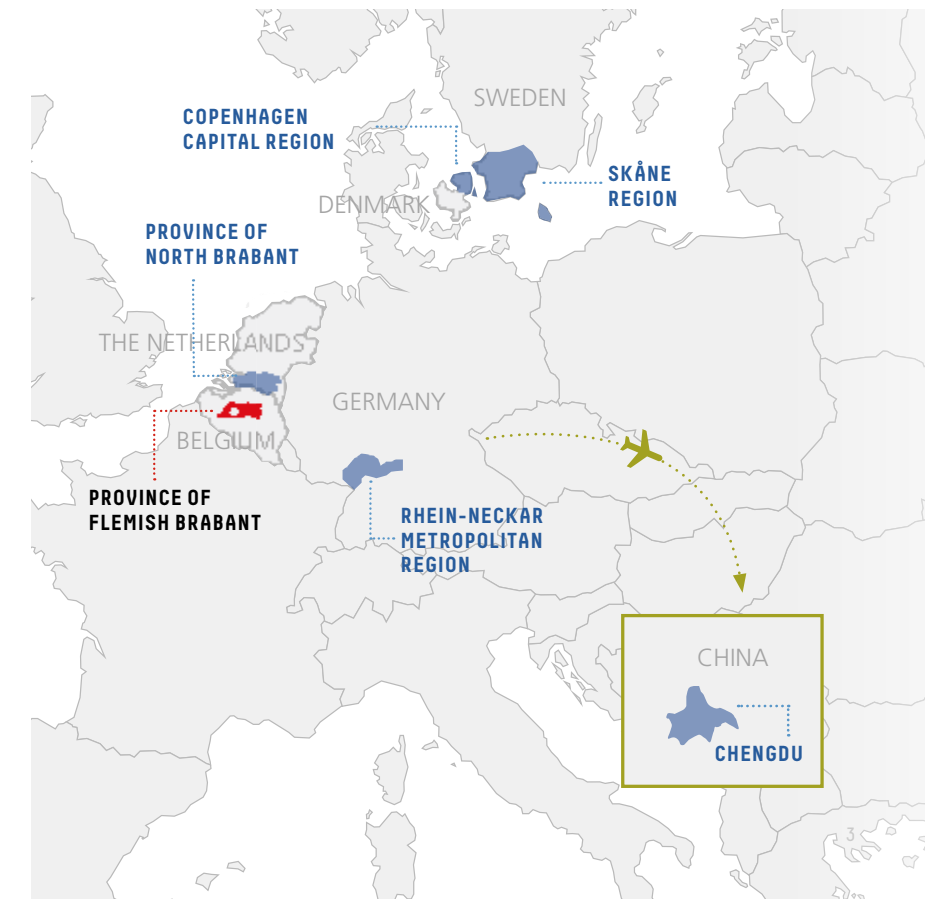
INTERNATIONAL COLLABORATION

The Province of Flemish Brabant is forging close ties with regions that complement and strengthen its assets.

Just like our own province, the regions in question are **knowledge regions** with particular strengths in health, food, logistics, cleantech and the creative sector. These regions are some of our **main trade partners**, and in addition, we cooperate closely with them in **European projects**.

What does the province do?

- * We support and act as a matchmaker between businesses/research institutions;
- * We facilitate incoming and outgoing missions;
- * We jointly develop European projects;
- * We exchange administrative knowledge and experience.

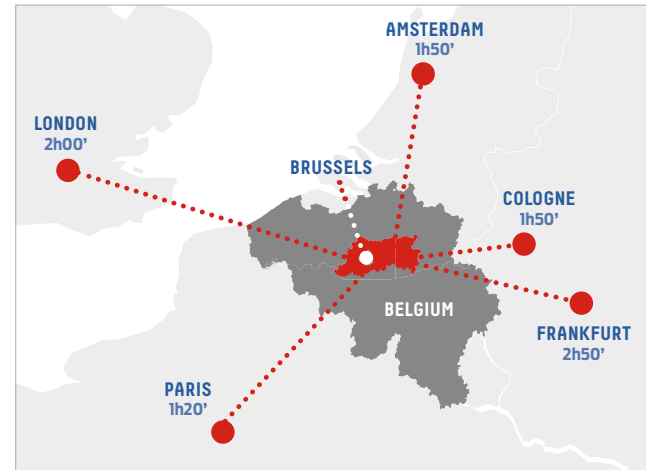


KNOWLEDGE REGION FLEMISH BRABANT

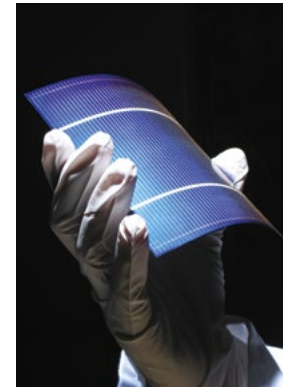
Flemish Brabant harbours a **unique concentration of knowledge institutions and innovative companies**. Knowledge city par excellence Leuven is home to a world class university and several university colleges, the famous university hospital, numerous spin-offs and the renowned imec research centre. Together, they boost innovation and economic activity in Flemish Brabant and Flanders. The advanced knowledge they produce is applied in spearhead sectors such as health, food, logistics, sustainable technologies and the creative sector. These sectors have developed into the five smart hubs of Flemish Brabant.

But there is more: **the central location**, the airport and numerous logistic companies and activities have turned Flemish Brabant into a logistic hub for Flanders and Europe.

Finally, there is the vast service sector and the vicinity of **Brussels capital**, with its universities and the **European institutions**.



(travel times with a high-speed train)



THE NETHERLANDS: PROVINCE OF NORTH BRABANT

Situated in the south of the Netherlands, the province of North Brabant has 's-Hertogenbosch as its capital. It also encompasses four other major cities: Eindhoven, Tilburg, Helmond and Breda. North Brabant is **centrally located in between the port cities** of Rotterdam, Antwerp and Germany's Ruhr region. It is an **enterprising, innovative and successful region** with strong international networks.

Cleanroom Holst



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OPPORTUNITIES FOR COOPERATION

HIGH TECH AND RESEARCH

- ▶ **13.950** businesses providing **111.600** jobs
- ▶ **10** major research centres
- ▶ production capacity of **24,1** billion euro

WORLD-CLASS MAINTENANCE SECTOR

Major maintenance sector employing

- ▶ **7,5** billion euro in revenue each year
- ▶ **75.000** employees

Various initiatives to encourage **innovation** in the areas of maintenance, logistics and high-tech industry.

SMART LOGISTICS

North Brabant is at the heart of the main **transit routes from the ports** to the European hinterland

Home to some of the **newest distribution centres** in the Netherlands (e.g. Primark and bol.com)

Major investments in smart and sustainable logistics

HEALTH

- ▶ average of **1329** patents each year
- ▶ **610** businesses providing **9050** jobs

Focus on **oncology, immunology and drug delivery**

GERMANY: RHEIN-NECKAR METROPOLITAN REGION

The region in the south of Germany includes the cities of Mannheim, Ludwigshafen and Heidelberg, and is one of the **most innovative, competitive and economically successful regions in Europe**. Its success is mainly due to close cooperation between its authorities, top universities, major companies such as BASF, SAP and Roche and over 140,000 SMEs. The chemical, mechanical engineering and automotive sectors are the leading sectors in the Rhein-Neckar region.



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OPPORTUNITIES FOR COOPERATION

HEALTH

'BioRN' biotech cluster ▶
Leader in **cancer research**
and **personalised medicine**

80 biotech, diag-
nostics and pharma
businesses

100 subcontract-
ors and academic
institutions

**Mannheim Medical
Technology Cluster** ▶

around **100** businesses working on cell and
tissue technology, imaging, telemedicine,
diagnostics etc

ICT

European Silicon Valley

With around **300** businesses
generating revenues of over
12 billion euro

CLEANTECH

'Energie & Umwelt' cluster

70 businesses and research insti-
tutes focusing on energy efficiency,
renewable energy and e-mobility

CREATECH

Strong and young createch
cluster in Mannheim, focu-
sing on **music and film**

**'Speichersysteme und Smart Grids'
cluster**

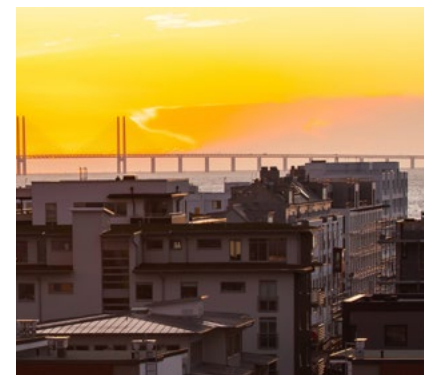
40 businesses and research insti-
tutions with expertise in stationary
energy storage systems and control
and communication technology

SWEDEN: SKÅNE REGION

Skåne is situated in southern Sweden and includes the major port city of **Malmö**, as well as the university town of **Lund**. Its ambition is to become **the most innovative region in Europe by 2020**.



Malmö



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OPPORTUNITIES FOR COOPERATION

HEALTH

Medicon Valley
Danish-Swedish cross-border cluster

- ▶ 100 biotech businesses
- ▶ 200 medtech businesses
- ▶ 80 service providers

Major **research parks** in Lund, Malmö and Kristianstad

CREATECH

The '**Media Evolution**' brings together 350 players from the media, apps, internet applications and gaming sectors.

CLEANTECH

Sustainable Business Hub the biggest cleantech cluster in Sweden, with more than **100** businesses and research centres

Active in areas such as energy, environmentally friendly healthcare, waste, water, air, transport and agriculture

ICT

Mobile Heights cluster organisation, focusing on wireless communication and imaging ▶ **100** businesses including Sony Mobile

Ideon Research Park in Lund ▶ **400** companies

DENMARK: GREATER COPENHAGEN

Greater Copenhagen includes the north-eastern part of Seeland, Denmark's capital city of Copenhagen and the island of Bornholm. Denmark's historical counties were combined into five regions following reforms in 2007.

Greater Copenhagen is a European leader in the areas of biotech, cleantech and sustainable mobility.



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OPPORTUNITIES FOR COOPERATION

HEALTH

World-class biohealth cluster

Medicon Valley

- Danish-Swedish cross-border cluster
- leading biotech clusters

Copenhagen Healthtech Cluster

development of partnerships, business opportunities and growth for healthtech businesses

Biopeople

national lifetech cluster at the University of Copenhagen

ICT

Copenhagen Fintech Innovation and Research

Danish cluster and non-profit organisation. Research and events on developments in banking and payments

CLEANTECH

International role model in sustainable **mobility and climate strategy**

Copenhagen is striving to become the first carbon-neutral capital city by 2025.

Aarhus and Copenhagen leading smart cities in Denmark

- in 2014, Copenhagen won the 'World Smart Cities Award' with 'Copenhagen Connecting'
- creation of new big data platform with Hitachi

CLEAN platform

leading Danish green cluster with more than 170 members drawn from the whole of the cleantech sector

CHINA: CHENGDU

Flemish Brabant twinned with the Chinese metropolis of Chengdu in 2011. As well as generating exchange and cooperation, the partnership provides businesses and institutions in Flemish Brabant with preferential access to China.

The province cooperates with Chengdu in five areas: foreign investment, the five clusters of Smart Hub Flemish Brabant (health, logistics, food, cleantech & creativity), people-to-people exchange (education, culture etc.), conservation of intangible heritage and involving local municipalities in this international partnership.



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OPPORTUNITIES FOR COOPERATION

HEALTH

Wenjiang District (North West Chengdu): medical hub mainly encompassing small and medium enterprises from the **entire medical value chain**

Tianfu Life Science Park
strong R&D and bio-medical hub

- ▶ **400** bio-medical businesses
- ▶ 'BioTianfu Forum', biopharma cluster
- ▶ West China Hospital Medical Transformation Center

LOGISTICS

Hub of the '**One Belt, One Road**' strategy that connects China to the rest of the world

Aviation and aerospace industry: leader in the area of research, development and manufacturing

Shuangliu International Airport: China's 4th busiest airport

Tianfu International, a 2nd airport, is scheduled to open in 2020

Railway network branching out into Europe

MORE

Advanced and intelligent **manufacturing industry**

Strong international **automotive sector**

Development of new materials: high-quality fibre and composites

FOOD

Opportunities for cooperation in R&D and process optimisation

CREATIVITY AND HIGH TECH

4th largest **technology hub** in China, with a large number of start-ups

Fintech: strong in technological innovation in finance and mobile e-commerce

Research and development: one of the four most important regions in China, with 50 higher education institutions and 30 national research institutes

Major player in the area of **data processing for smart home/city** applications

EUROPE INVESTS

The Province of Flemish Brabant is taking part in the following operational programmes:

- **INTERREG A**
cross-border cooperation with the Netherlands and Germany
- **INTERREG B**
transnational cooperation in north-western Europe
- **INTERREG EUROPE**
interregional cooperation throughout the whole of the EU
- **EFRO VLAANDEREN**
creating growth and jobs
- **PDPO EN LEADER**
rural development

And is also active in broader or sector specific European cooperation programmes, such as Horizon2020

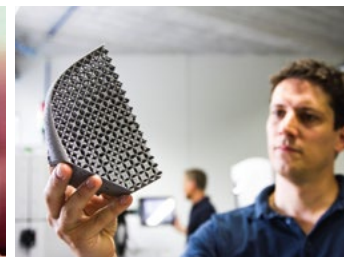
The European Union is enabling regions across Europe to get the best out of themselves. Flemish Brabant is one of these regions: with European subsidies, it is cooperating on **smart, sustainable and inclusive growth**. The EU's Interreg programmes foster cooperation between various regions across the Union, and our **European focus regions are our main partners** for these projects.

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7 THEMES

Low-carbon economy
Entrepreneurship
Environment and resource efficiency
Innovation
Employment
Rural development
Heritage



More than **500**
European projects
since 2007

81 million euro
European funding
since 2007

SMART HUB FLEMISH BRABANT

Smart Hub Flemish Brabant encourages innovation, promotes cooperation between businesses and knowledge institutions and attracts (foreign) investment in the five innovative clusters of the Flemish Brabant knowledge region.

◊ Health ◊ Logistics ◊ Food ◊ Cleantech ◊ Creativity

These five clusters are driven by key enabling technologies, such as nano-electronics, advanced materials, photonics, ICT etc. All of which are areas in which the knowledge institutions and businesses of Flemish Brabant are global leaders.

By focusing on these priority sectors, Smart Hub Flemish Brabant strengthens and promotes the province as a unique knowledge region with pioneering knowledge institutions and innovative businesses. In combination with its unrivalled position, the presence of Belgium's national airport and its science parks, this makes Flemish Brabant the ideal point of access to Europe.



SMART HUB



FLEMISH
BRABANT

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International cooperation is in the DNA of Flemish Brabant.

We work with partners in and outside Europe. Particularly strong relations are being developed with our innovative focus regions.

The province partners in European projects, facilitates exchanges with foreign partners and tries to optimize framework conditions for international cooperation.

Contact us with your project ideas.

Marc Florquin
Vice-Governor for economics

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Vice-Governor for internationalisation



MORE INFORMATION

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