Vlaanderen
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# R&D&I & Semiconductors in Flanders

DEPARTEMENT
WERK, ECONOMIE
WETENSCHAP, INNOVATIE &
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# R&D&I & Semiconductors in Flanders

1. STI in Flanders
2. Department WEWIS
3. R&D&I and Semicon in Flanders

# Science, tech and innovation in Flanders

- D WEWIS – STI in Flanders BOOK
- Flanders: innovation hub in the heart of Europe

**The Blue banana**

*Figure 4*



Flanders is part of the area that is sometimes referred to as **the Blue Banana.** This area runs from the north of Italy to the United Kingdom over (parts of) Switzerland, Austria, Germany, France, Luxembourg, Belgium and the Netherlands. It is a series of densely populated urban areas responsible for a substantial part of the economic added value within the European Union.

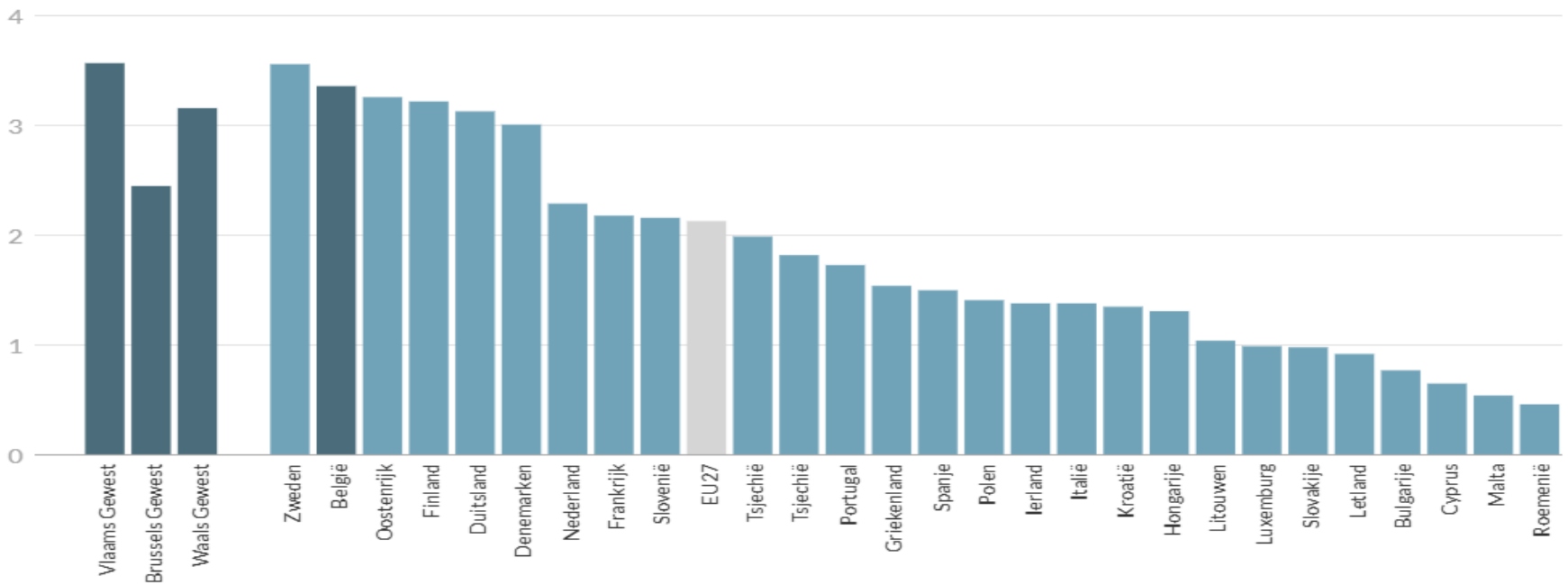
# Science, tech and innovation in Flanders

- Flanders: R&D intensity % GDP

- N°4 Global
- N°1 EU

**O&O-intensiteit**

Vlaams Gewest en EU-landen (2024), Brussels en Waals Gewest (2023), in % van bbp




Noot: Brussels en Waals Gewest: gegevens 2023. Voorlopige of geschatte cijfers 2024 voor België, Oostenrijk, Duitsland, Denemarken, Nederland, Frankrijk, EU27, Tsjechië, Portugal, Ierland, Spanje, Griekenland, Kroatië, Hongarije, Italië, Litouwen, Luxemburg, Cyprus en Roemenië.

Bron: Vlaams Gewest: ECOOM. Brussels en Waals Gewest, Kroatië, Bulgarije, Cyprus, Malta en Roemenië: Eurostat. EU27 en andere landen: Berekeningen ECOOM in coördinatie met Commissie Federale Samenwerking CFS/STAT, Eurostat

# Science, tech and innovation in Flanders

## › European innovation scoreboard

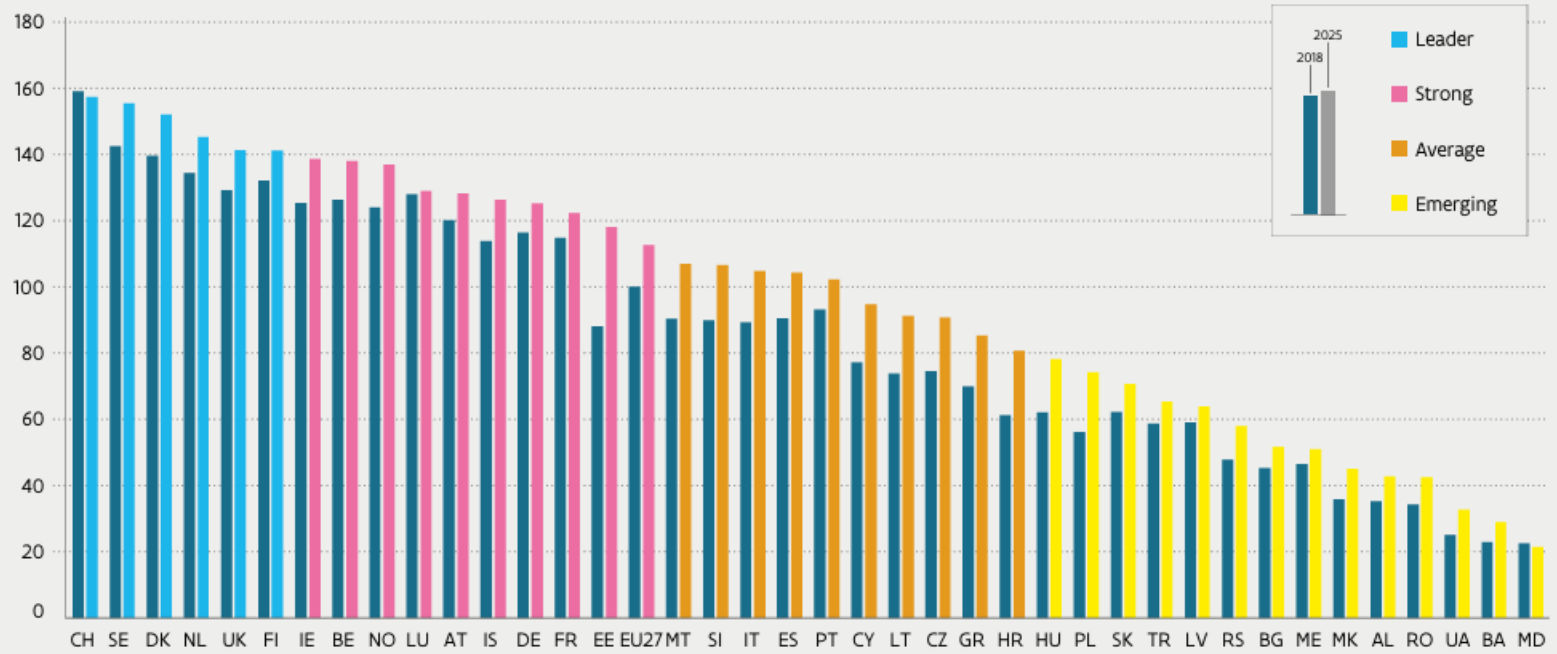
› Leader; Netherlands - Strong innovator: Belgium

› List of NL regions

Leaders too long

**European Innovation Scoreboard (2018 and 2025)**

*Figure 6*




*Source: European Innovation Scoreboard (EIS) 2025*

# How can governments stimulate R&D&I in companies?

- Tax credits



- Federal (BE) government

- Subsidies

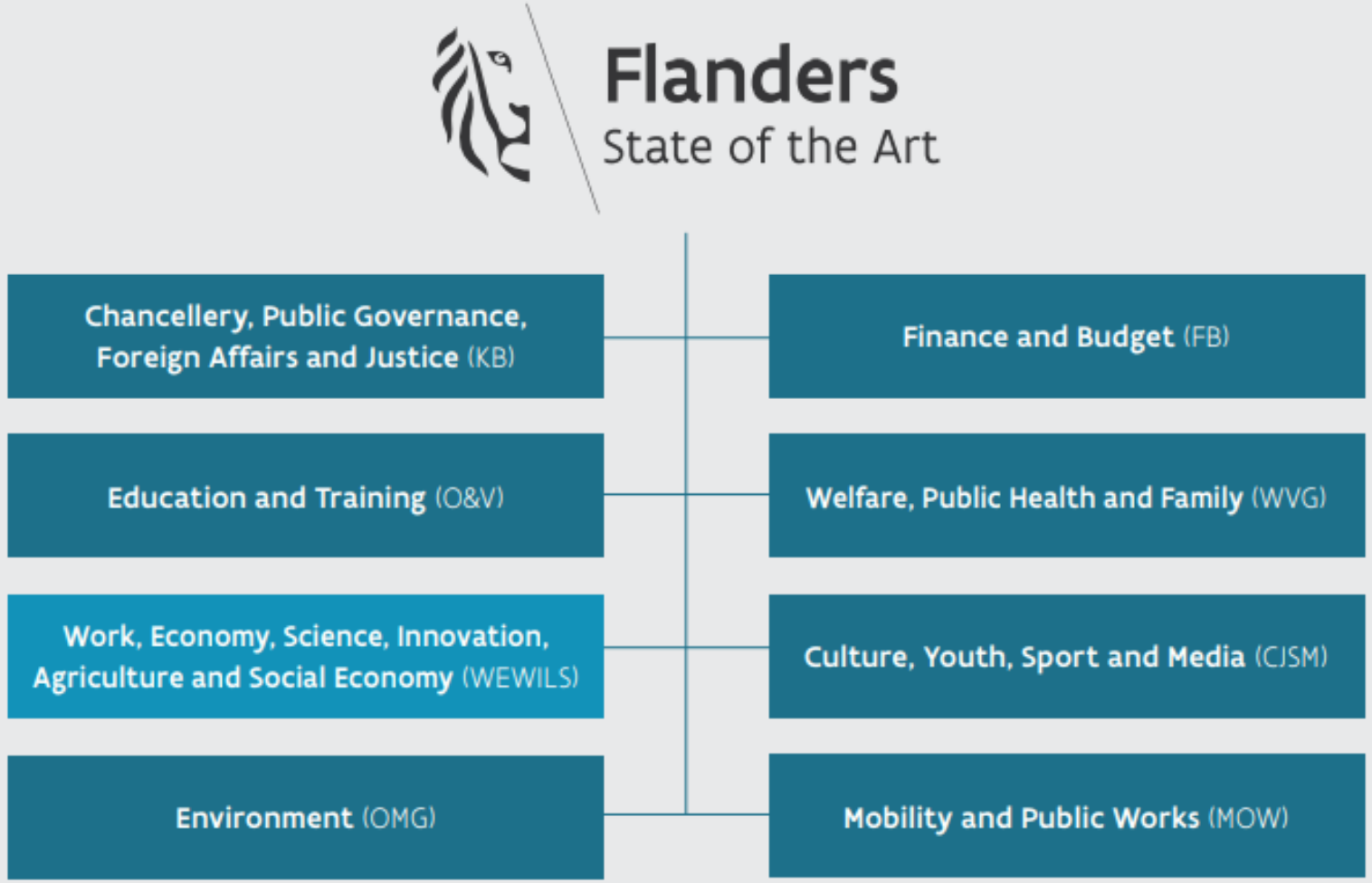


- Regional (FL, WAL, BR) governments

# Flanders – Department WEWIS

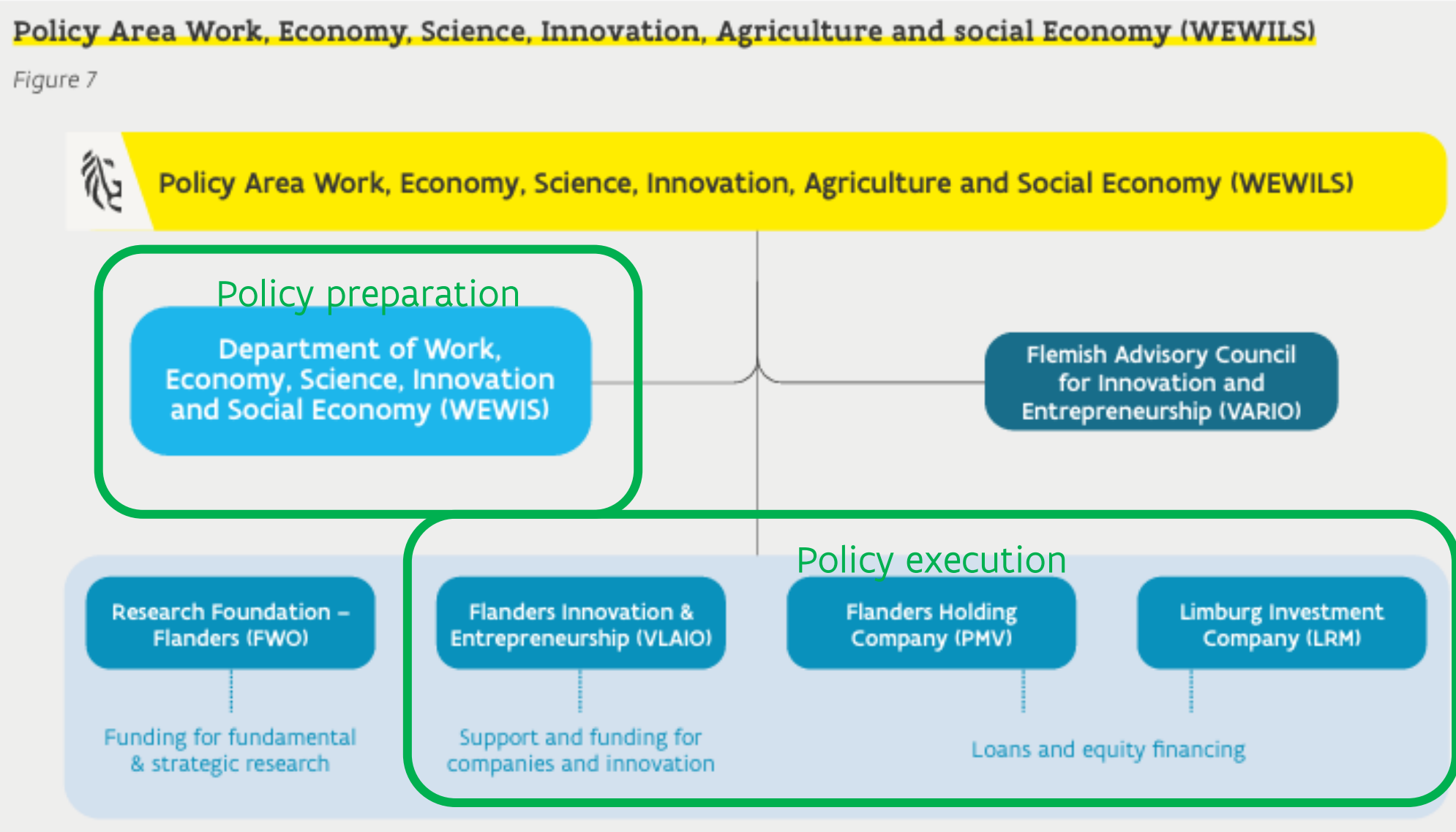
**THE 8 POLICY AREAS OF THE FLEMISH ADMINISTRATION**

*Figure 10*



# Flanders – Department WEWIS

For companies



# DWEWIS - Semiconductors

- Imec covenant 2022 – 2026
  - 2025; 158,7 Mio
  - Basis: strategic basic research
  - This period: emphasis on increasing TRL level of proces technology
- In the pipeline: Imec covenant 2027 – 2031
  - Basis: strategic basic research
  - Next period: emphasis on bridging tech gap with EU and FL technology companies, venturing

# DWEWIS - Semiconductors

- VLAIO – O&O (R&D)
  - Support for companies
  - Project proposals
  - Avg 16 Mio per year for Semicon
- PMV (investment company) – Flanders Future Tech Fund
  - 250 Mio fund size (general tech)
  - Magics, Vertical Compute, Swave photonics

# DWEWIS - Semiconductors

- IPCEI Microelectronics and communication technologies II
  - Associated partners, RRF
  - Soitec BE (Epigan) – 4,5 Mio
  - Belgan – 11 Mio
- In the pipeline: IPCEI Advanced semiconductor technologies
  - Combination of direct and associated partners

# DWEWIS - Semiconductors

- Chips Joint Undertaking
  - Chips Act – Chips for Europe initiatives
    - Targeted strategic investments
    - NanoIC pilot line
    - DIREQT Diamond Quantum pilot line
    - Flemish competence center FC3
  - Electronic components and systems
    - Research and innovation actions, Innovation actions
    - 5 Mio per year parallelized track with VLAIO O&O
  - In the pipeline: Support for SME – EDA & IP licenses (220 Mio EU)

# Flemish semiconductor collaboration

“Semiconductors are a strategic domain for targeted investments in Flanders”

Flemish advisory board for innovation and entrepeneurship

“Semiconductors are a prime example of high-tech and of how the complementarity between Flanders and the Netherlands creates a mutually reinforcing effect.”

Minister-President of Flanders Mathias Diependaele

“We clearly have a great sector with enormous potential. In the coming years, we hope to cultivate new champions: companies that are growing rapidly and driving the entire ecosystem forward.”

Bart Steukers, CEO Agoria, Sectorfederation tech industry