



**Vlaanderen**  
is ondernemen

# VLAIO-R&D&I



**Bernard De Potter**

AGENTSCHAP  
INNOVEREN & ONDERNEMEN






# Part I

# Institutional landscape

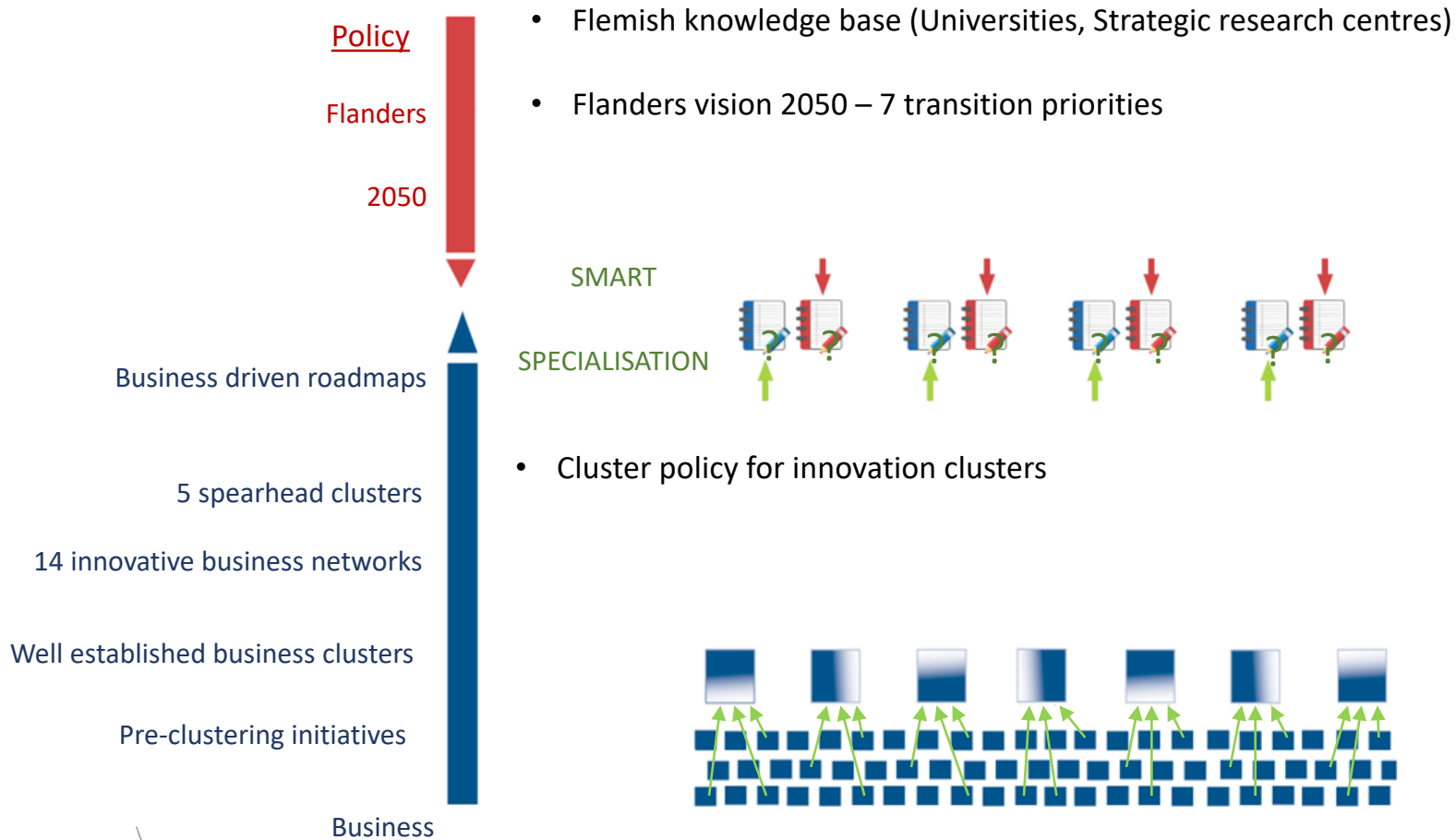
# Strategic Research Organisations

	<b>IMEC:</b> nano-electronics and broadband technology
	<b>VITO:</b> sustainable development and cleantech
	<b>VIB:</b> Flemish Institute in Biotechnology – life science
	<b>Flanders' Make:</b> mechatronics, product development methods and advanced manufacturing technologies
<b>Others</b>	ILVO, VLIZ, ITG, ...

# Cluster policy: 6 spearhaed clusters

 <p>AGENTSCHAP INNOVEREN &amp; ONDERNEMEN CATALISTI</p> <p>Samen sterk voor groei</p>	<p><b>Catalisti</b> – cluster for sustainable chemistry</p>
 <p>AGENTSCHAP INNOVEREN &amp; ONDERNEMEN SIM</p> <p>Samen sterk voor groei</p>	<p><b>SIM</b> – Materials innovation</p>
 <p>AGENTSCHAP INNOVEREN &amp; ONDERNEMEN</p> <p>Samen sterk voor groei</p>	<p><b>VIL</b> – Smart Logistics</p>
 <p>AGENTSCHAP INNOVEREN &amp; ONDERNEMEN flux50</p> <p>Samen sterk voor groei</p>	<p><b>Flux 50</b> – Smart Energy Region</p>
 <p>AGENTSCHAP INNOVEREN &amp; ONDERNEMEN FF FLANDERS' FOOD</p> <p>Samen sterk voor groei</p>	<p><b>Flanders' Food</b> – cluster for agrofood</p>
<p><b>!! NEW 2018 !!</b></p>	<p><b>Blue Growth</b> – cluster for blue economy</p>

# 2018 updated for Smart Specialisation Strategy for Flanders



# Policy Motives Challenges – Opportunities – Failures

Market Failures <i>(Neoclassical model)</i>	Structural System Failures <i>(Innovation systems)</i>	Transformational System Failures <i>(System Innovation)</i>
Limited Experimental Economy	Infrastructure Failures	Directionality Failures
Underinvestments in R&D	Institutional Failures	Demand Articulation Failures
Unaccounted negative externalities	Network Failures	Policy Coordination Failures
Overexploitation of commons	Capability Failures	Reflexivity Failures



Source: Weber och Rohracher 2012, adapted by Marklund G.

# Part II

## VLAIO in a nutshell

# Agency for innovation and entrepreneurship (www.vlaio.be)



inspire



inform



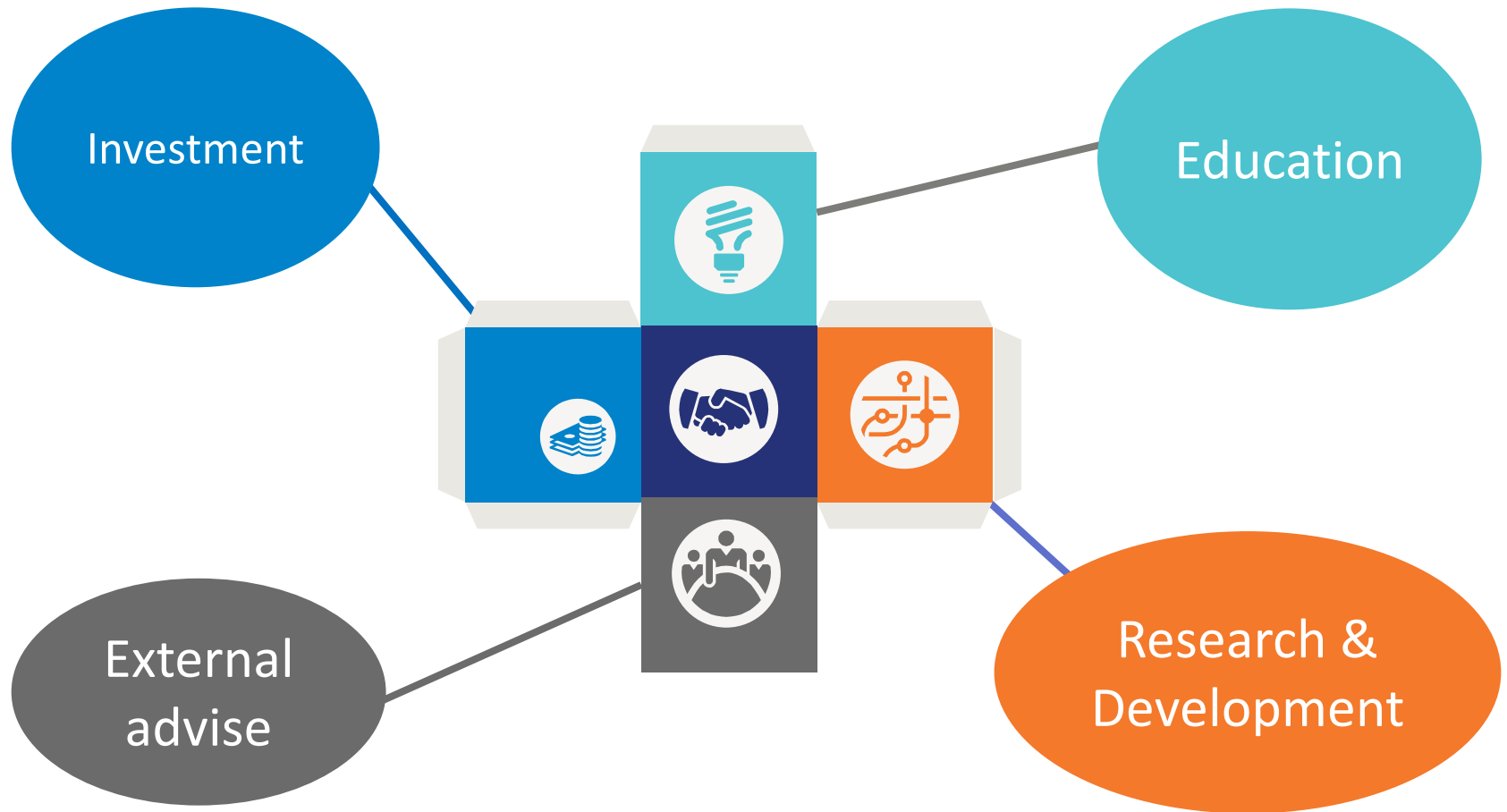
support



**sustainable economic growth and job creation**



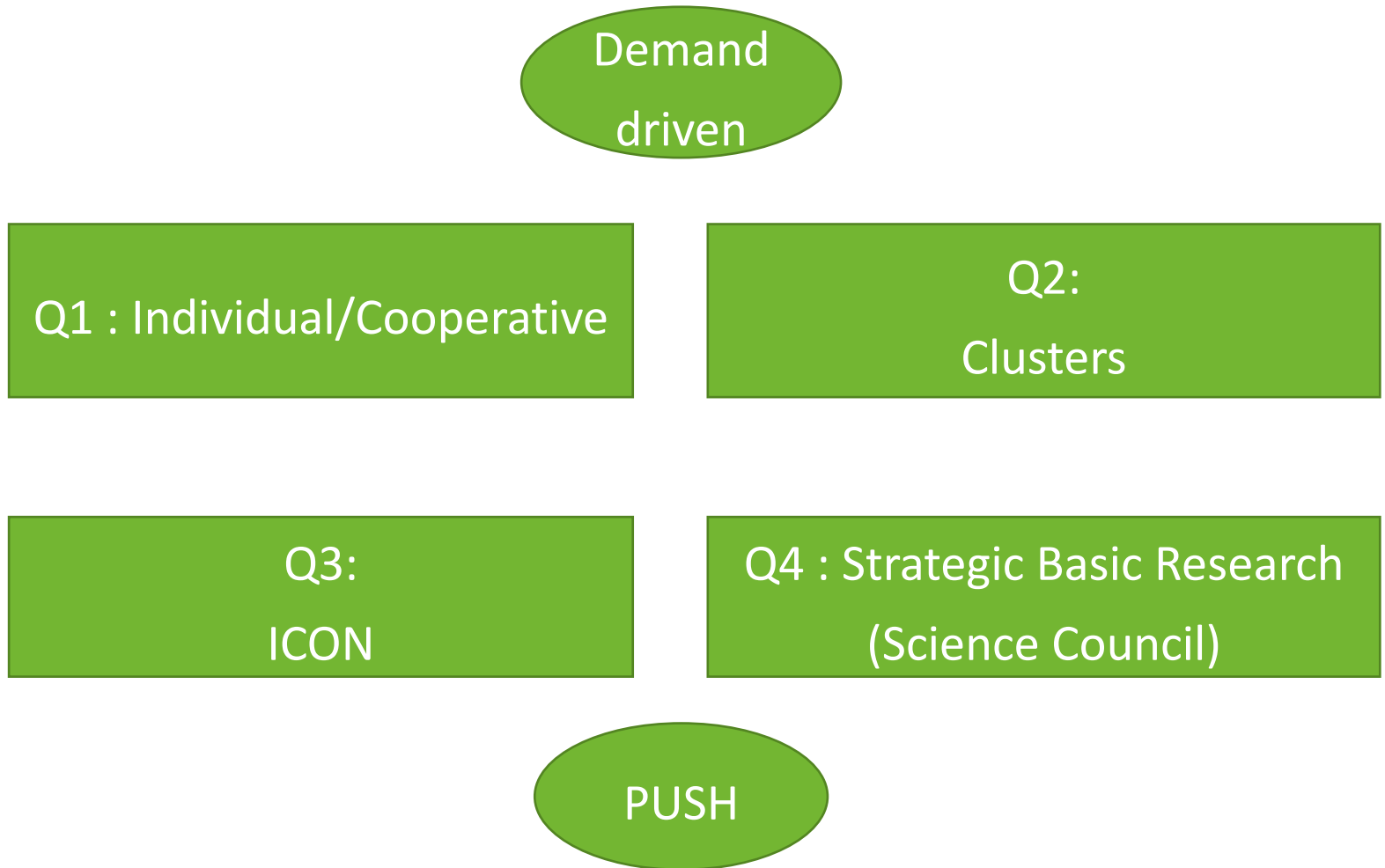
# Harmonization funding instruments within VLAIO



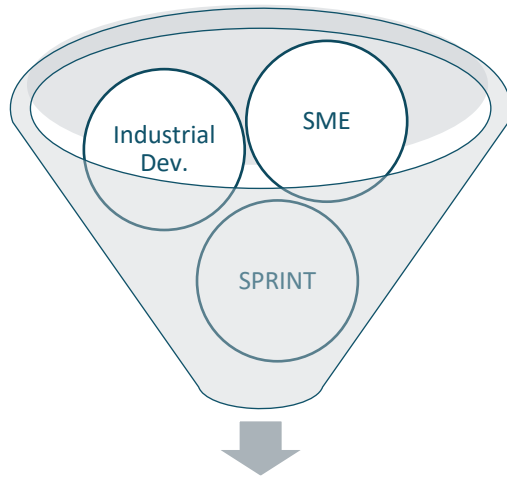
# Part III

## The instruments

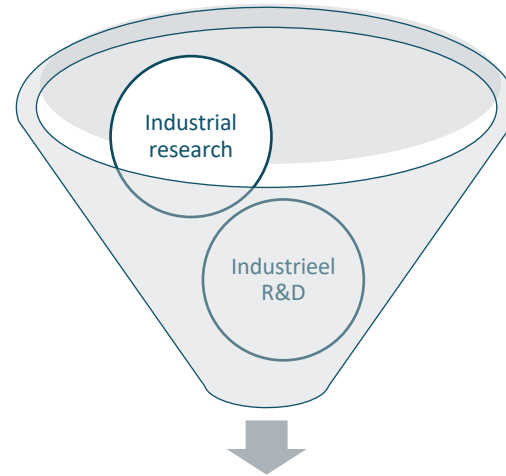
# Mapping of the instruments



# Q1 : Support to companies - 3 options



Development



Research

Talent

## Development

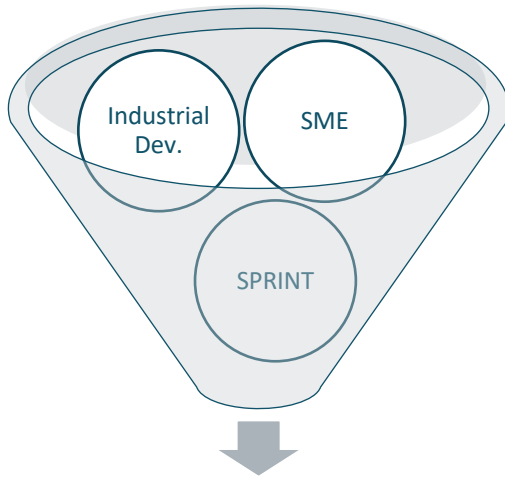
- Increase innovation in large group
- Short term
- Limited research component
- Innovation drives the business case (BC)
- 25 % + add.  $\leq$  50%

## Research

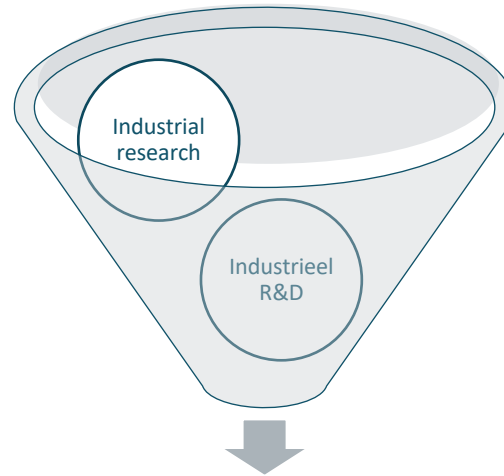
- Stimulate R&D
- Long term/strategic
- **Strong research component**
- BC: long term
- 25-50% + add  $\leq$  60%

2-3 years, budget: 25 KEUR till 3 MEUR

# Support to companies -3 options



Development



Research

Talent

# Partners



Baekeland = PhD grant

Innovation = Postdoc

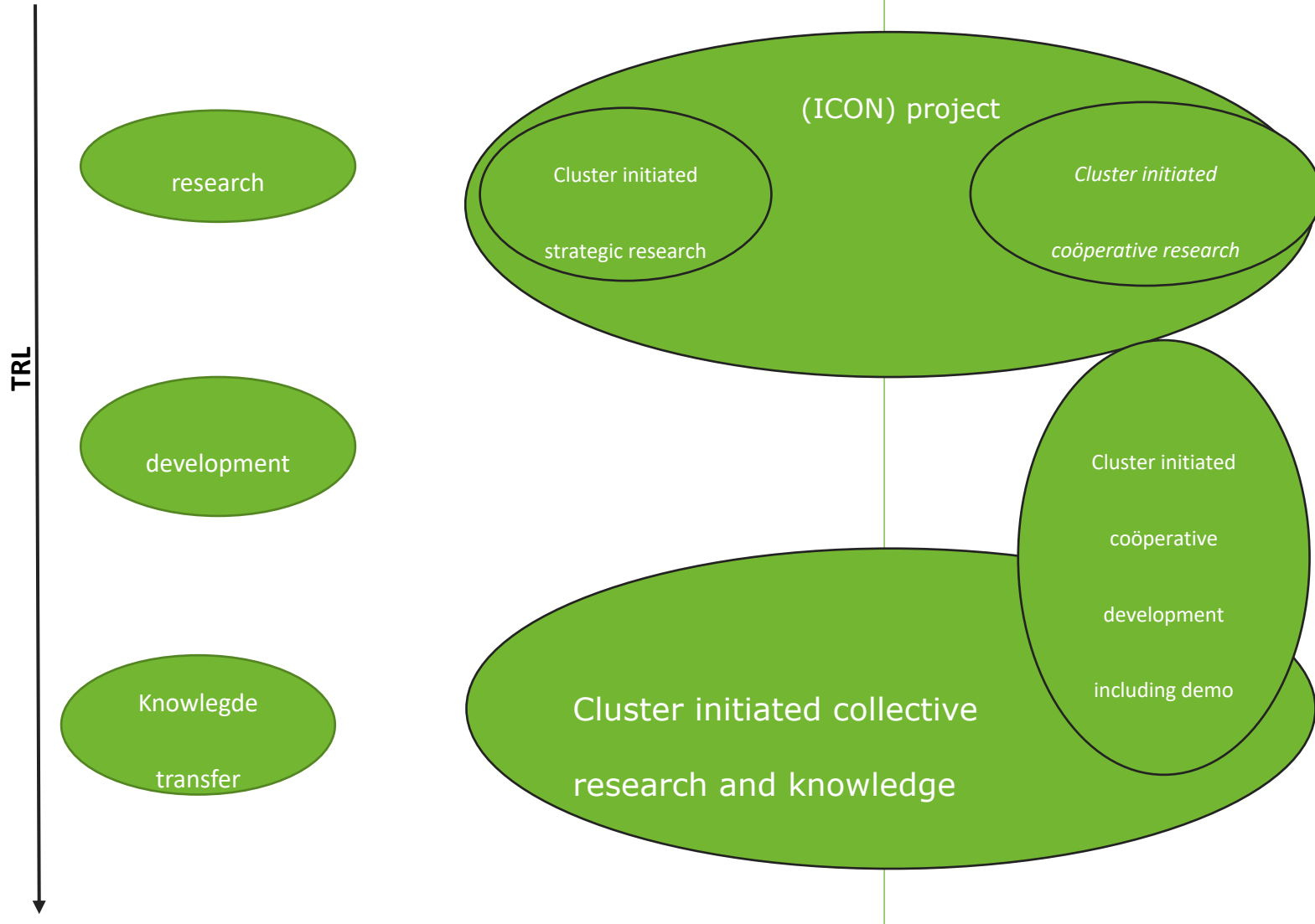
# Q2 : Cluster support scheme

Spearhead clusters	Innovative business networks
<ul style="list-style-type: none"> <li>• <b>Cluster organisation</b> as facilitator</li> <li>• <b>Removal of obstacles</b> for growth</li> <li>• Activities along the <b>innovation spectrum</b> (all TRL-levels)</li> </ul>	
Strategic domain (+/- 5)	Bottom up (+/- 15)
Ambitious, large scale	Smaller scale
Long term vision – intermediate results	Short term results
Triple helix (comp, KI, gov)	All relevant actors, focus on businesses
Contractual agreement based on comp. progr.	Contractual agreement based on action plan
Commitment of all partners in clusterpact	
Max 10j, max 500 k€/y funding	Max 3j, max 150 k€/y funding
50% private investment	50% private investment



- ▶ by Knowledge Institutes for the industry
- ▶ *Global approach*

- ▶ by individual companies or companies in coöperation
- ▶ *Company approach*

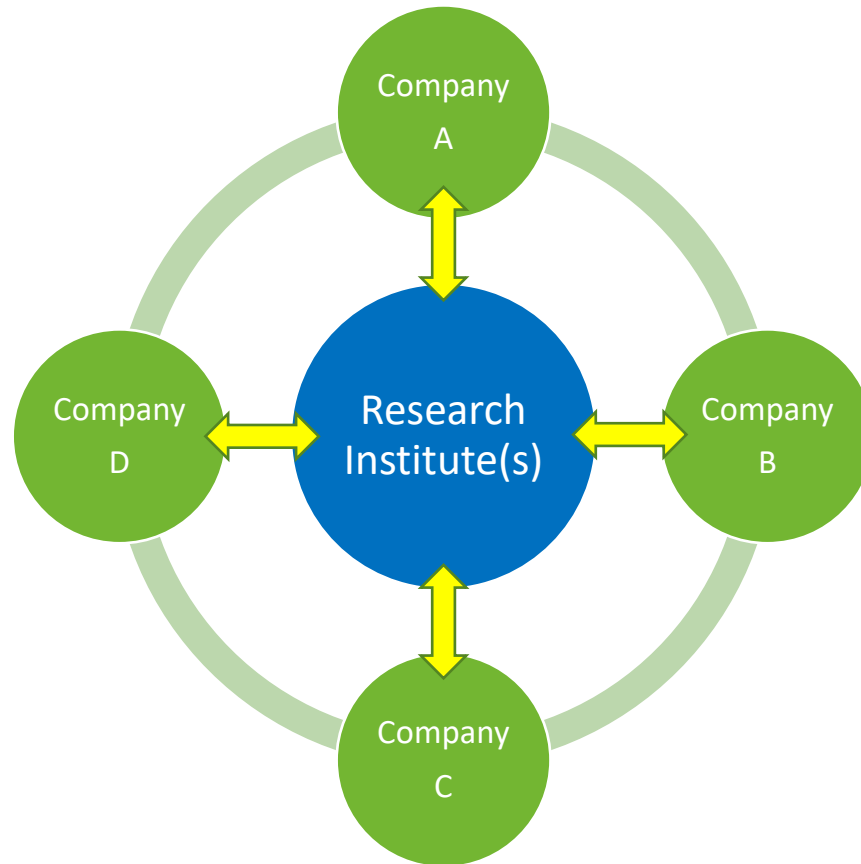



# Q3 : ICON

Collaboration with research institutes as partners (ICON)

- Research institutes: non economic activities supported at 100%
- Companies: industrial R&D at state aid percentages

# ICON Cooperation





The imec.icon research program is our successful formula for demand-driven, cooperative research. Over a period of typically two years, multi-disciplinary research teams of scientists, industry partners and/or social profit organizations work together to develop digital solutions that find their way into the market offer of the participating partners. The program has already resulted in over 100 completed projects in a wide range of ICT related application domains and markets.

# Q4 : Strategic Basic Research

- ▶ The Strategic Basic Research (SBO) programme focuses on innovative research which, if scientifically successful, will create prospects for economic or societal applications (e.g., a new generation of products, processes and/or services).
- ▶ The SBO programme breaks down into two finality parts: an economic programme part for projects with primarily an economic finality and a societal programme part for projects with primarily a societal finality.
- ▶ The available budget for the 2018 SBO call is circa € 40 M\*. 2/3 of this budget is reserved for projects with an economic finality and 1/3 for projects with a societal finality.

# Thank You!

