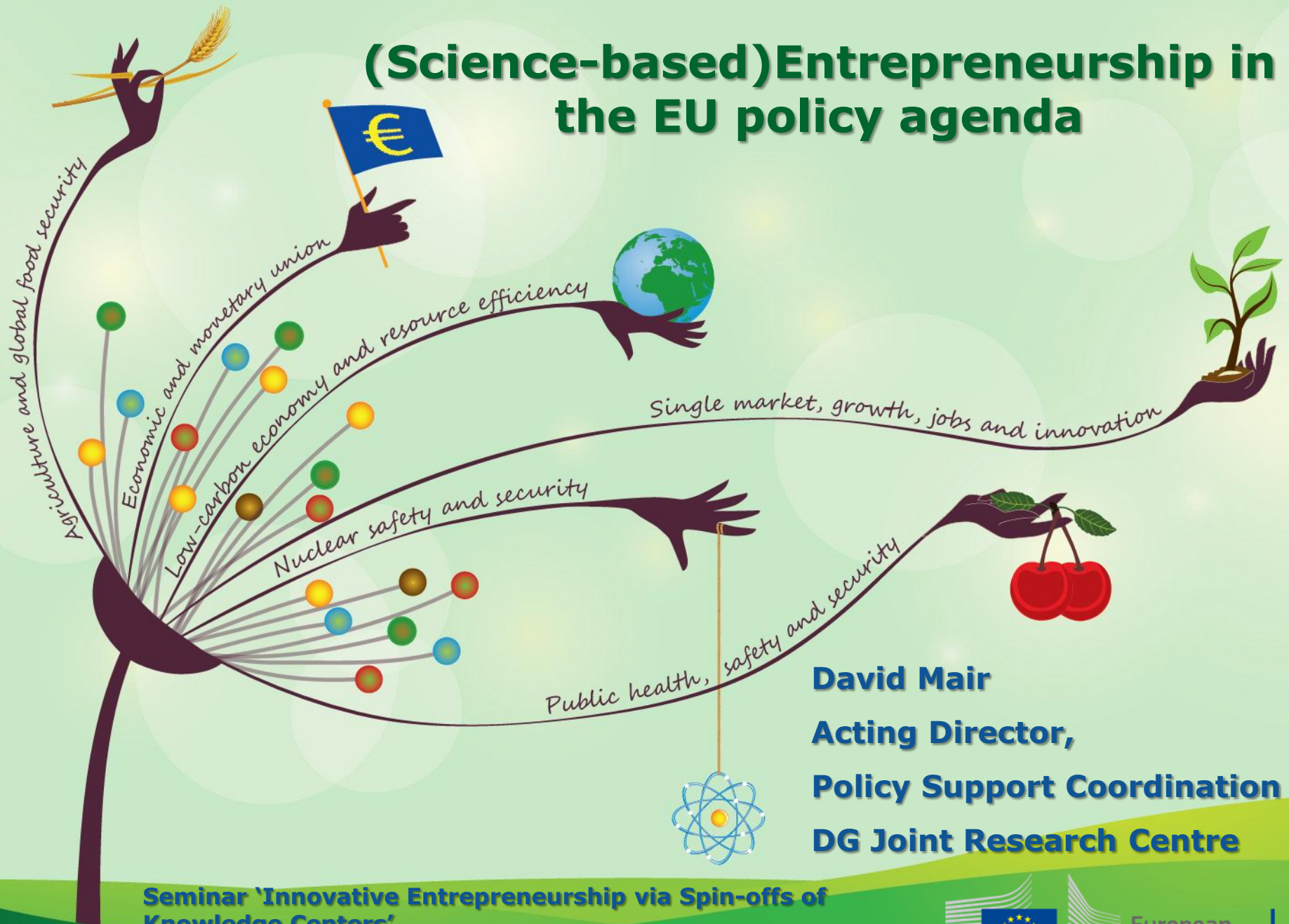


# (Science-based) Entrepreneurship in the EU policy agenda



**David Mair**  
**Acting Director,**  
**Policy Support Coordination**  
**DG Joint Research Centre**

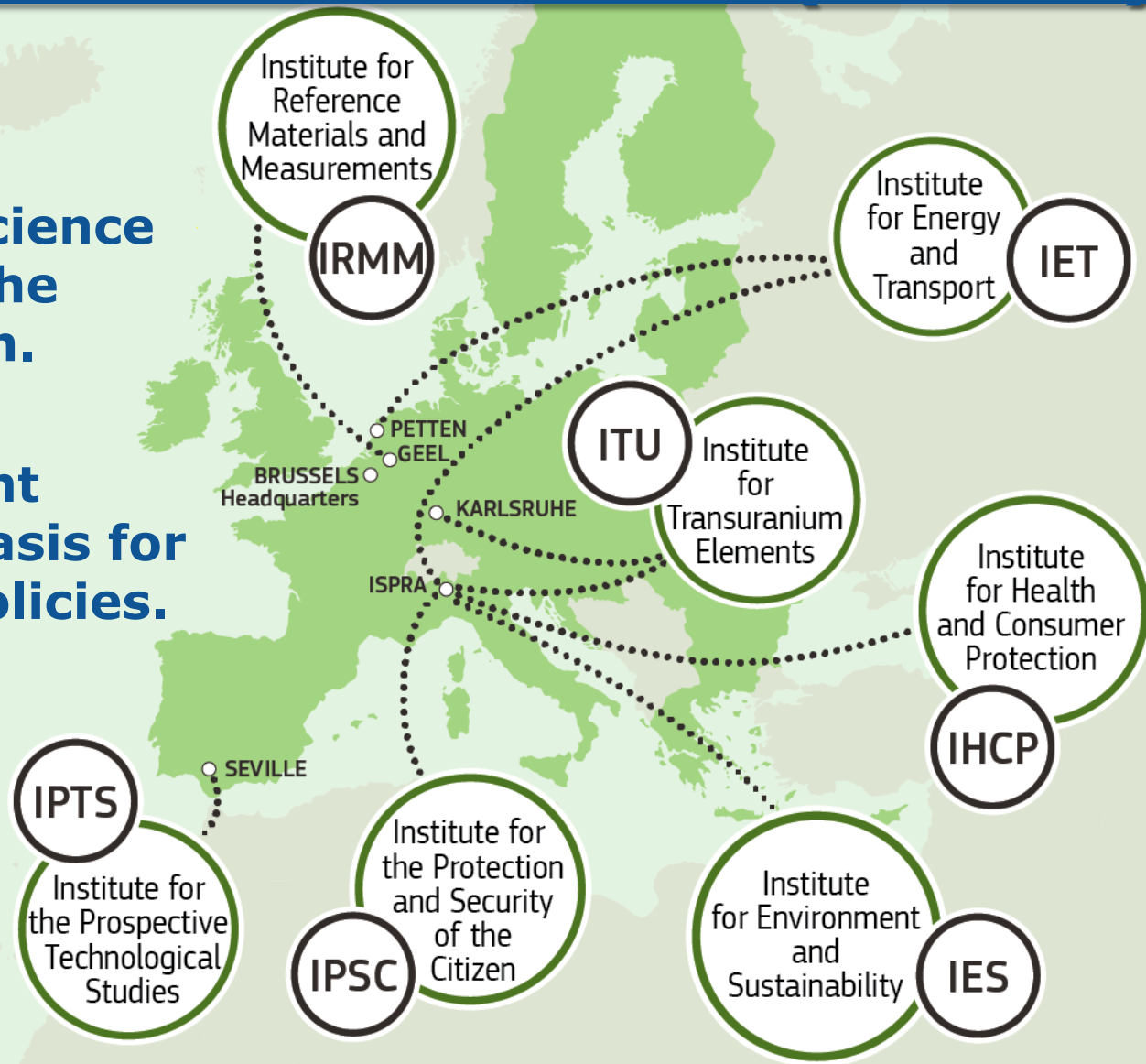
**Seminar 'Innovative Entrepreneurship via Spin-offs of Knowledge Centers'**  
**Brussels, 10<sup>th</sup> June 2015**



European  
Commission

# Joint Research Centre (DG JRC)

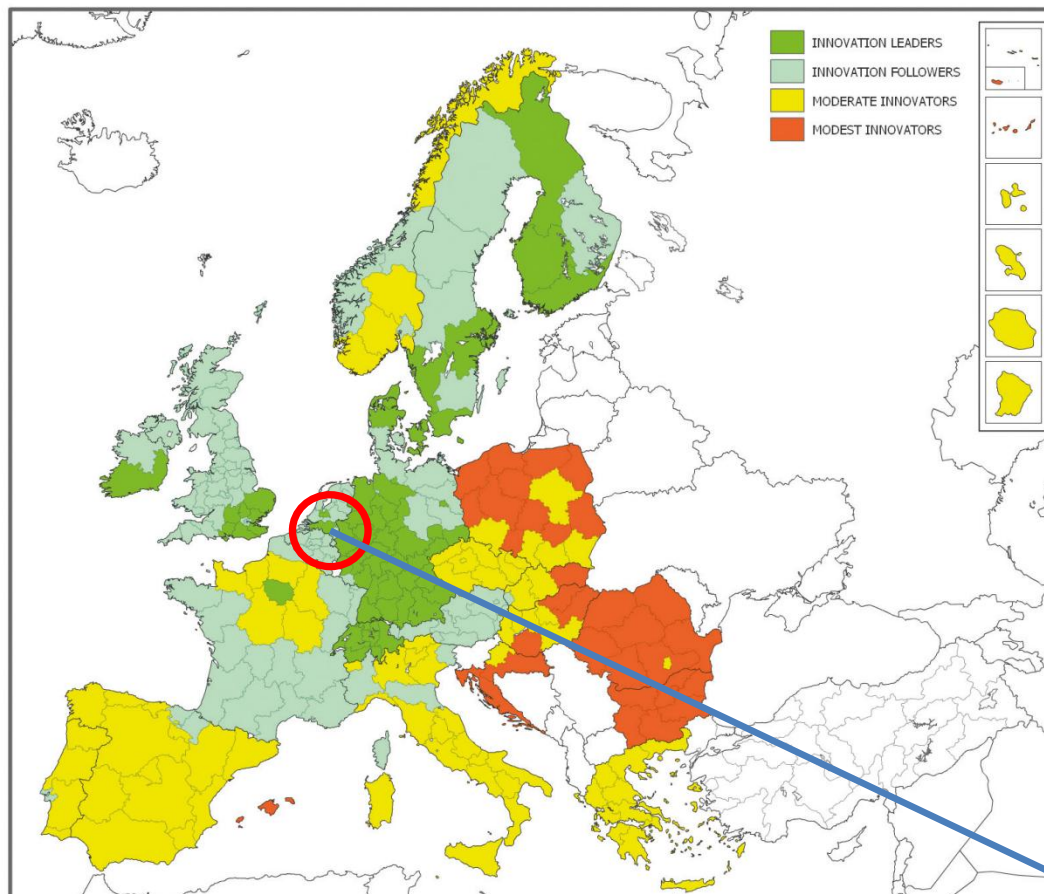
- **In-house science service of the Commission.**
- **Independent scientific basis for many EU policies.**



**Science Hub:**

**<https://ec.europa.eu/jrc/>**

# Innovation = Regional Ecosystem



**Disclaimer:** Trend data from EU Commission's Regional Innovation Scoreboard (CdF: DG GROW in cooperation with REGIO and ESTAT. JRC contributed to the methodology of earlier drafts)

		2004	2006	2008	2010
BE	Belgium				
BE1	Région de Bruxelles-Capitale / Brussels Hoofdstedelijk Gewest	Follower	Follower	Follower	Follower
BE2	Vlaams Gewest	Leader	Follower	Leader	Follower

# Innovation = Knowledge Triangle

## Some key indicators for Knowledge Transfer in Belgium

Indicator	Belgium	EU-28
Share of public R&D (HERD+GOVERD) funded by Business enterprise sector (BES) in 2011 (2001) (1)	10% (12%)	7% (6%)
Number of Public-Private co-publications (per million publications) (2013) (2)	97.1	52.8
Share of Doctorate holders employed in Business enterprise sector (2010) (3)	33.4%	na
Share of innovating companies (large companies) collaborating on innovation with higher education or public research institutions (2008-2010) (4)	44%	na
Share of number of EPO patents in the country citing 'non-patent literature' in total number of EPO patents of the country (2007-2012) (5)	35%	25%

**Disclaimer:** Belgium Country Report, Research and Innovation Observatory (RIO). RIO is funded by DG RTD and hosted and coordinated by DG JRC.



# **Innovation = Smart Specialisation**

'Strategic cluster domains for smart specialization'  
in Flanders

**Specialised manufacturing solutions**

**Sustainable chemistry**

**Personalised cure and care**

**Value-added logistics**

**Specialised agro-food**

**Integrated building-environment-energy cluster**

**Smart systems**

**Creative industries and services**

Disclaimer: Data comes from Policy Note of the Department Economy, Science and Innovation (rev. 12/2014). S3 Platform is developed and hosted at DG JRC to support EU Cohesion Policy and Research and Innovation Policy.

# Innovation = Activity in EU networks

## Use/Absorption of EU research funding in Flanders

	REGIONAL INNOVATION LEADERS	REGIONAL INNOVATION FOLLOWERS	REGIONAL MODERATE INNOVATORS	REGIONAL MODEST INNOVATORS
FP leading absorber	DE2 Bayern DE3 Berlin FI1C Etelä-Suomen FR1 Île de France SE11 Stockholm SE12 Östra Mellansverige SE22 Sydsverige SE23 Västsverige	AT13 Wien AT22 Steiermark AT33 Tirol BE1 Région de Bruxelles-Capitale BE2 Vlaanderen DE5 Bremen ES21 País Vasco FR42 Alsace IE02 Southern and Eastern NL2 East Netherlands NL3 West Netherlands SE33 Övre Norrland UK1 London	EL3 Attiki EL4 Kritis, Nisia, Algai ES3 Comunidad de Madrid IT12 Provincia Autonoma Trento IT14 Lazio	

Research Actors in Flanders obtain €160 mio. from EU sources (FP-7 & H2020) in 2014.

Disclaimer: Data from RIS 2014 and Newsletter of European Forum for Science and Industry, May 2015.

# Entrepreneurship on the current EU Agenda

- "... **jobs, growth and investment** will only return to Europe if the right regulatory environment and climate of entrepreneurship are created..."  
Mandate letter of President Juncker to **VP Katainen**
- "... I would ask you to contribute to activities **that turn digital research into successful EU innovation stories**, encouraging the take-up of new businesses and job-creation..." Mandate letter of President Juncker to **Commissioner Oettinger (CNECT)**
- "... **focus more on applied research with a greater participation of the private sector** and a special focus on SMEs. " Mandate letter of President Juncker to **Commissioner Moedas (RTD)**
- "...**focus the programmes** for 2014-2020 on priority infrastructures **to reach SMEs and researchers in the priority sectors**..." Mandate letter of President Juncker to **Commissioner Cretu (REGIO)**
- "... the **contribution of education to individuals' capacities for creativity and entrepreneurship** is acknowledged. **Reinforcing the "knowledge triangle"** between education, business and research is given priority..."  
Mandate letter of President Juncker to **Commissioner Navracsics (EAC)**

# **Selection of past and upcoming EU policy actions**

- EU 2020 Strategy
- The Entrepreneurship 2020 Action Plan(2013)
- The European Institute of Innovation and Technology (2008)
- Horizon 2020
- EU Investment Plan



# EU level Support Measures for Science-based Entrepreneurship

Education/Training		
Innovative Doctorate Training	Industrial PhDs	Inter-sectoral Mobility
European Research Area(ERA) grants		Marie Curie - R&I Staff Exchange
Financing		
Guarantee	Venture Capital	Cofinance and-investment
InnovFin SME Guarantee	InnovFin DME Venture Capitalist	InnovFin Technology Transfer
	COSME Equity Facility for Growth(EFG)	Pilot on business angels
		EFSI (?)
Mentoring		
Matchmaking	Networking	
Licencing and IPR issues	EU Technology Transfer Offices Circle	

Source: EU RIO

# Evidence Gaps and Way forward

- **Narrow definition of spin-offs vs. 'Knowledge based entrepreneurship'**
- **Support knowledge-based entrepreneurs that survive & grow**
- **The need to have a common understanding on what key entrepreneurial skills are**

# Thank You for Your Attention



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Twitter: EU\_Science Hub



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