



# **INVESTMENTS in Key Enabling Technologies - Future of KETs in FP9**

**EARTO Annual Conference Oslo,  
22 March 2018**

**Peter Dröll, European Commission**

# RE-FINDING INDUSTRY



## 6 KETs since 2009

KETs are the essential technology building blocks  
KETs-based products = 19% of EU production (in 2013)  
Associated to 3.3 million jobs

## 3 Main challenges for Europe's industry

Knowledge-intensive production  
Digitalisation  
Globalisation

New KETs based on **4** criteria

- impact
- relevance
- key capacity
- enabling power

### PRODUCTION TECHNOLOGIES

- Advanced Manufacturing Technologies
- Advanced Materials and Nanotechnologies
- Life-Science Technologies

### DIGITAL TECHNOLOGIES

- Micro-Nanoelectronics and Photonics
- Artificial Intelligence

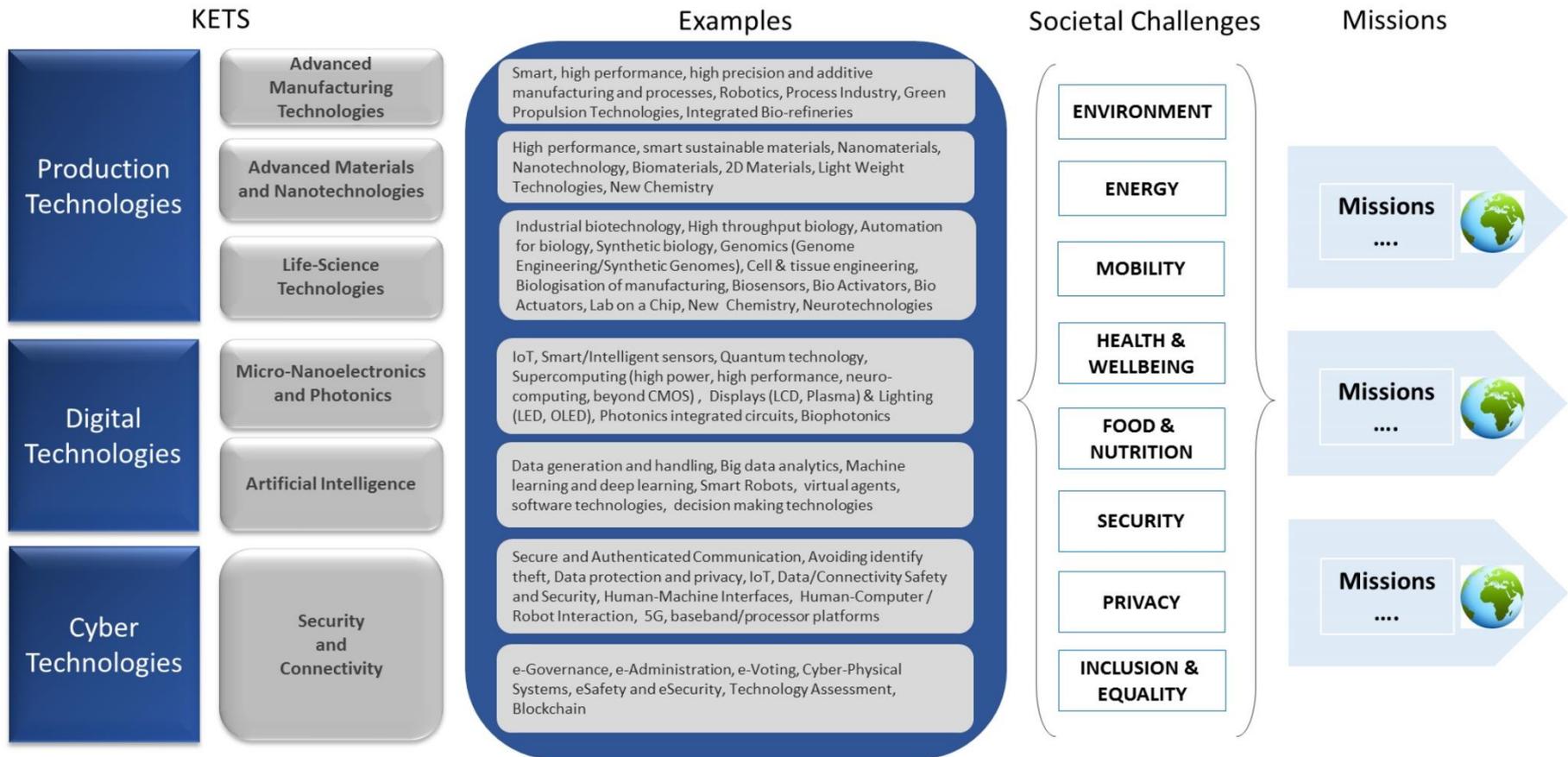
### CYBER TECHNOLOGIES

- Security and Connectivity

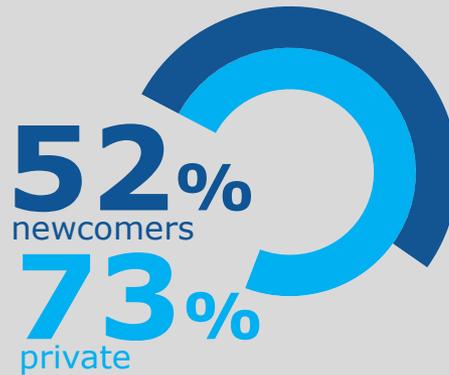
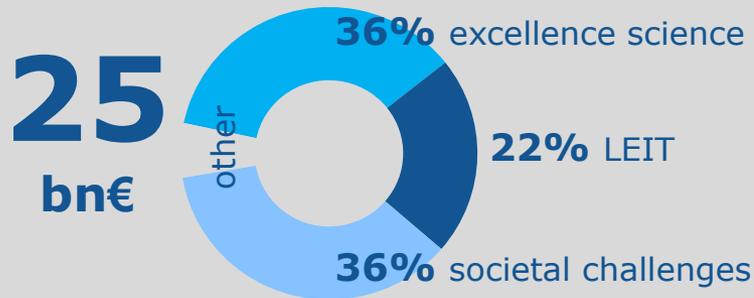
# RE-FINDING INDUSTRY

Drivers: Globalisation – Digitisation – Knowledge Society

Rational: Global Excellence, Systemic Relevance, European Sovereignty, Sustainability, Multi-purpose



# WHERE WE COME FROM (2)



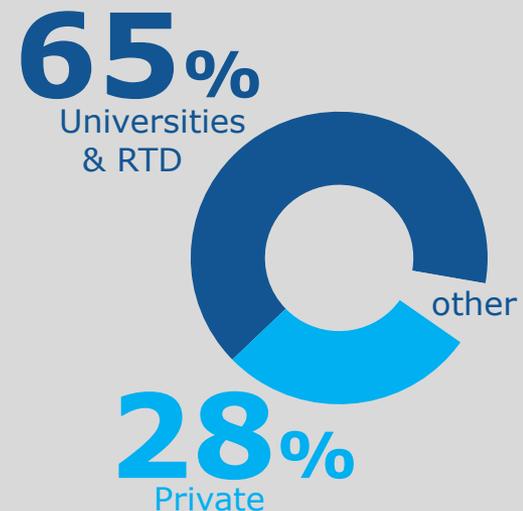
## BENEFICIARIES



Compared to EU13, **EU15** gets **4 times** more per inhabitant or per researcher.



But correlated with R&D investments, **EU13** is more effective **7%**



## EU ADMINISTRATIVE EXPENDITURE

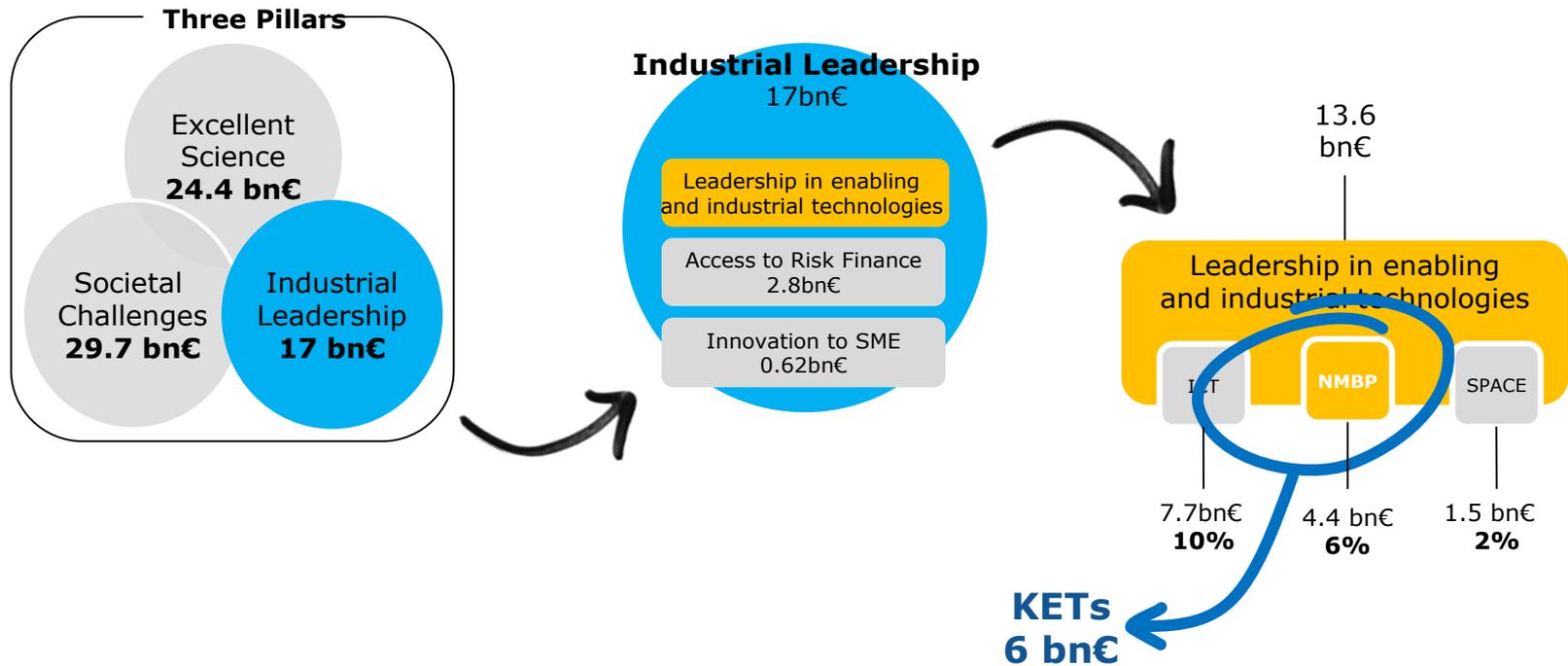
below **5%**

**20%** reached SME TARGET



# FUTURE KETS: FP9

## WHERE WE COME FROM (1)



# FP9

## ALL ABOUT BUDGET, STRUCTURE, KETS AND MORE



# TAKE AWAY – "Europe is back"

- **EU integration started with industry**
- **Today: central to our economy**
- **Tomorrow: central also to our society**
- **Issues:**
  - Productivity
  - Inequality
  - Job polarisation
- **Policy answers:**
  - Europe for more skills
  - Europe for more courage in funding
  - Europe for more Single Market