



THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

***"European Robotics projects...  
beyond the Robotics Unit"***

**Cécile Huet, PhD**  
Deputy Head of Unit A2 Robotics  
**European Commission**

# EU H2020 FUNDING IN ROBOTICS

ERF – European Robotics Forum – MARCH 2015



HORIZON 2020



# EU H2020 - 3 PILLARS

Excellent Science  
(24.4 B €)

Industrial Leadership  
(17 B €)

Societal Challenges  
(29.7 B €)

↪ **Robotics in the 3 pillars**

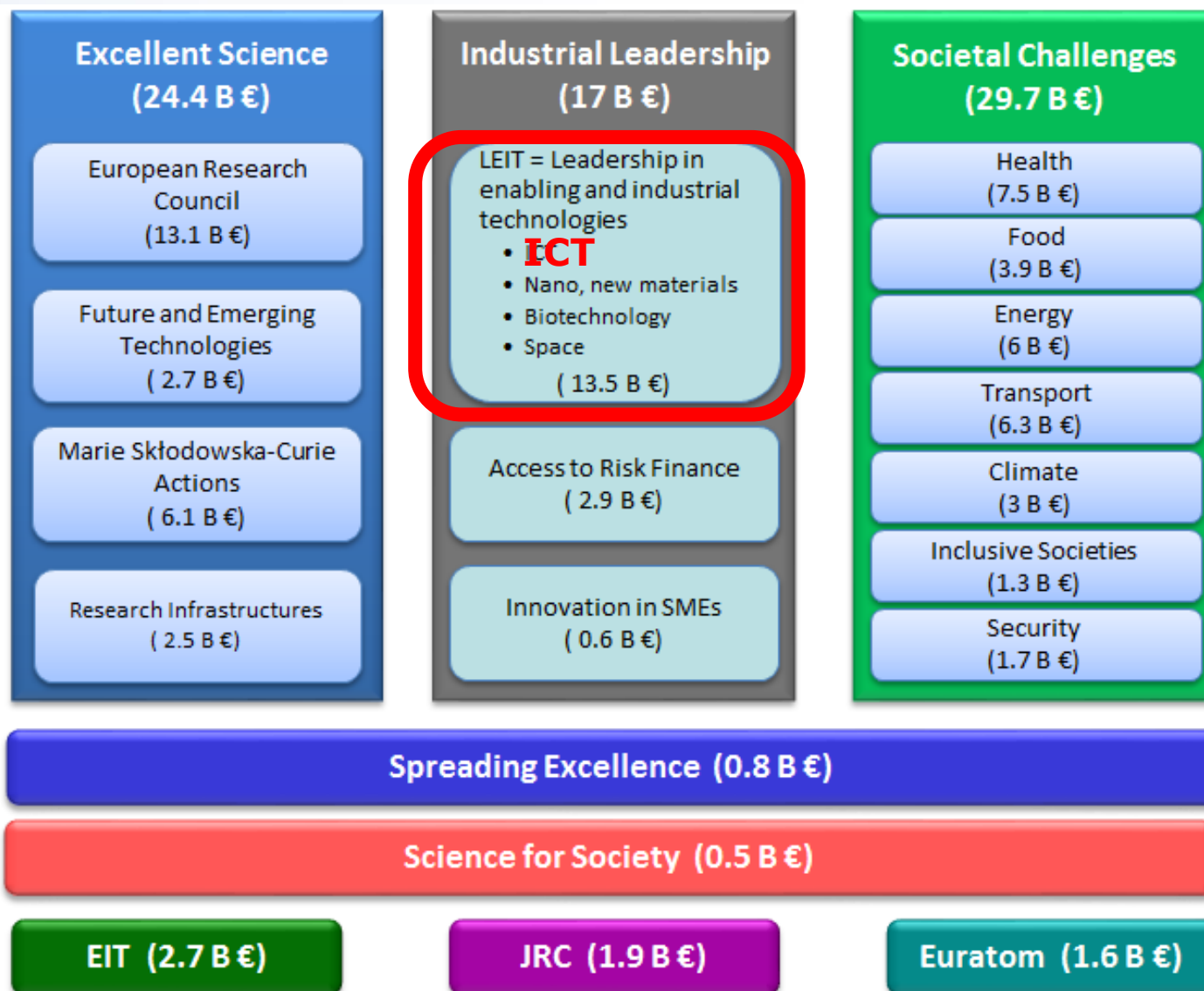
# THE ROBOTICS UNIT

ERF – European Robotics Forum – MARCH 2015

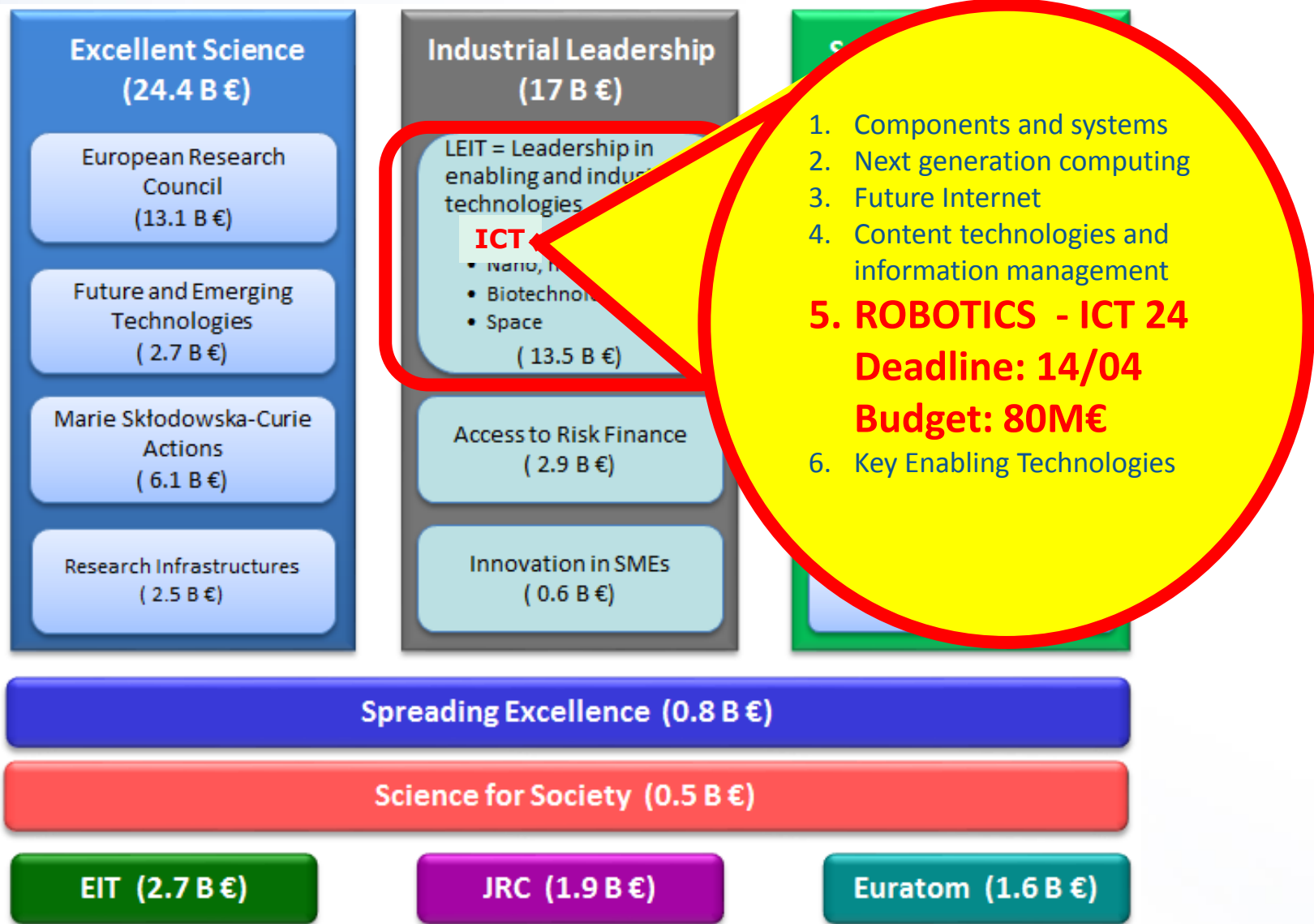


HORIZON 2020



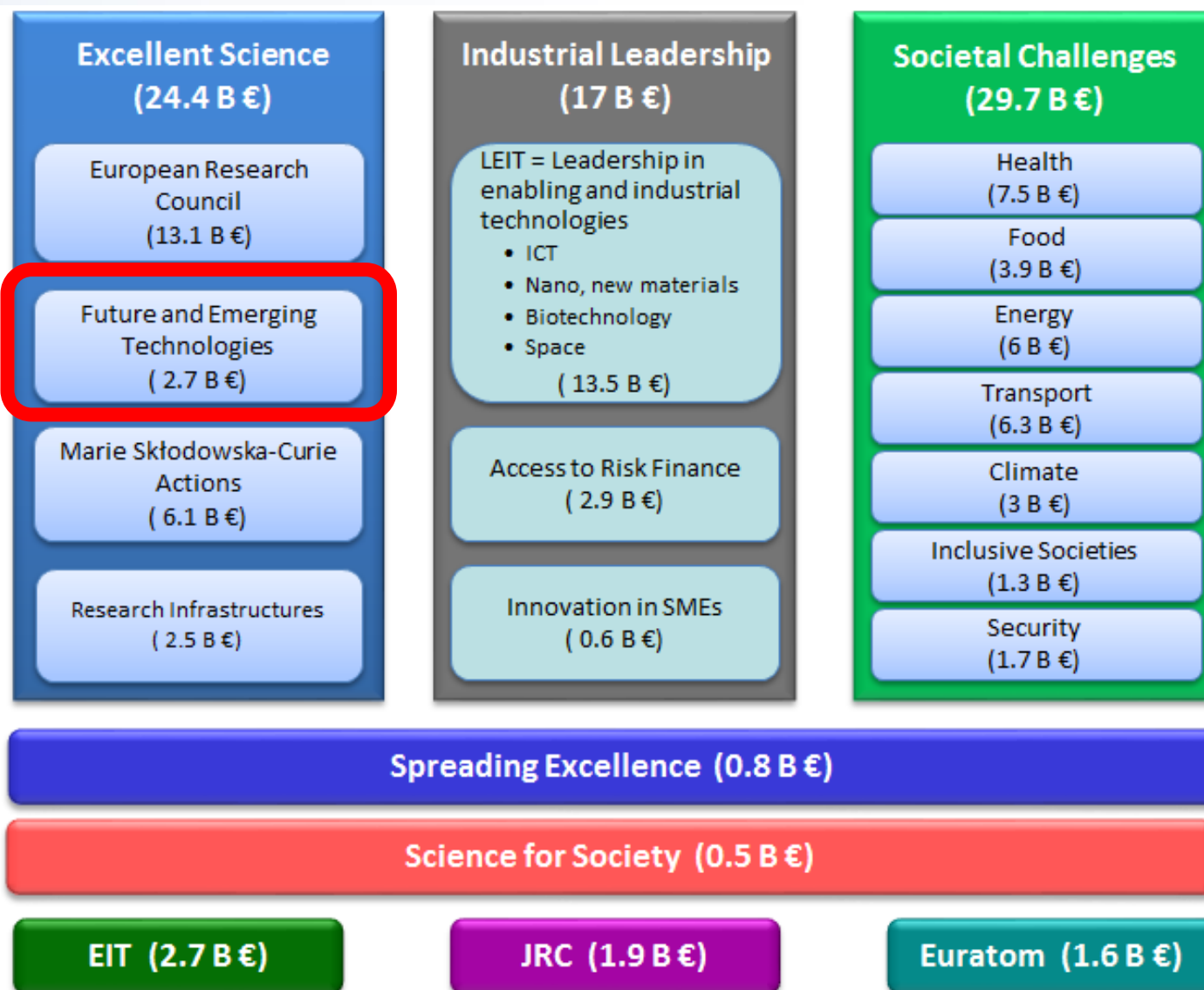




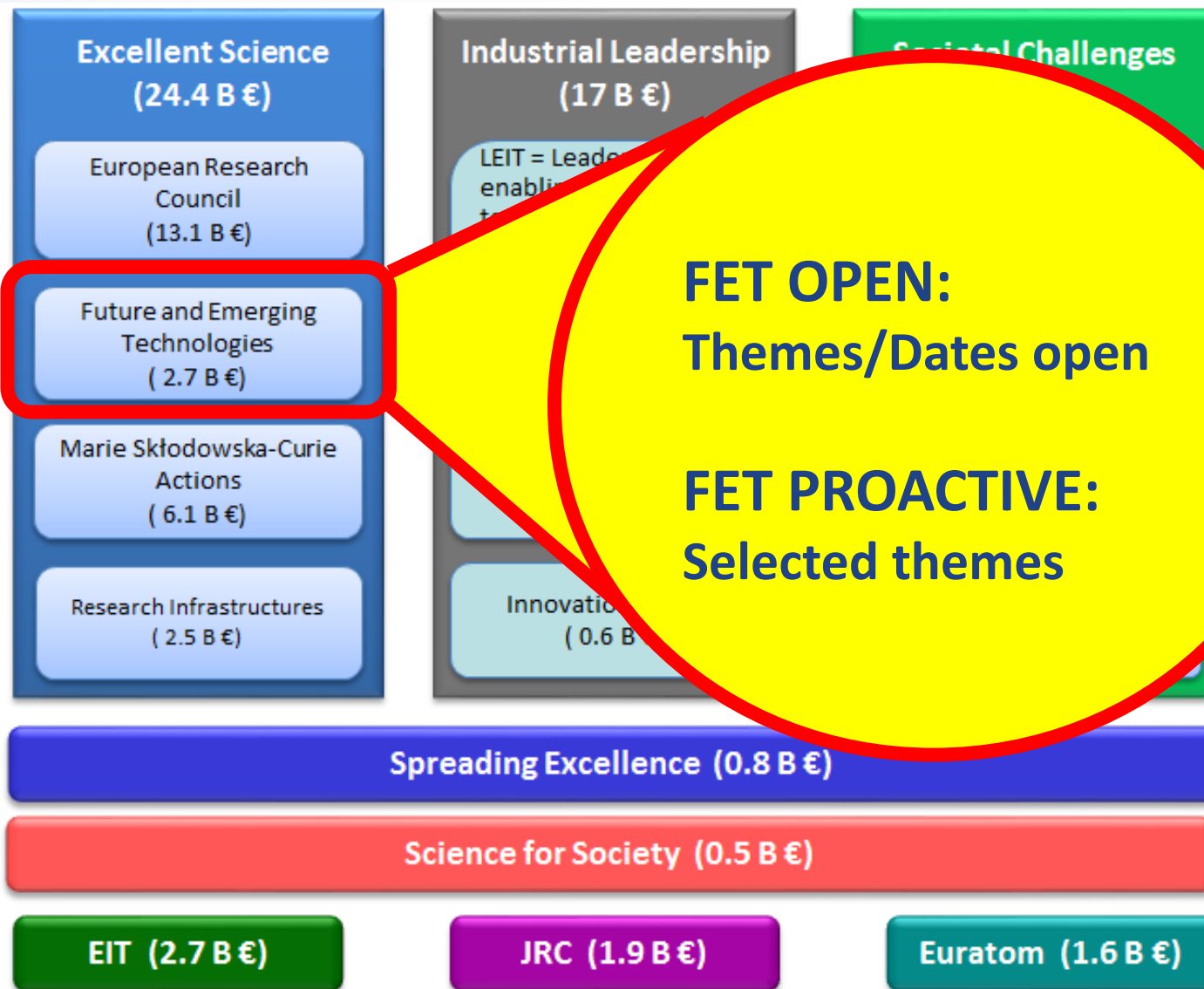


.....and beyond



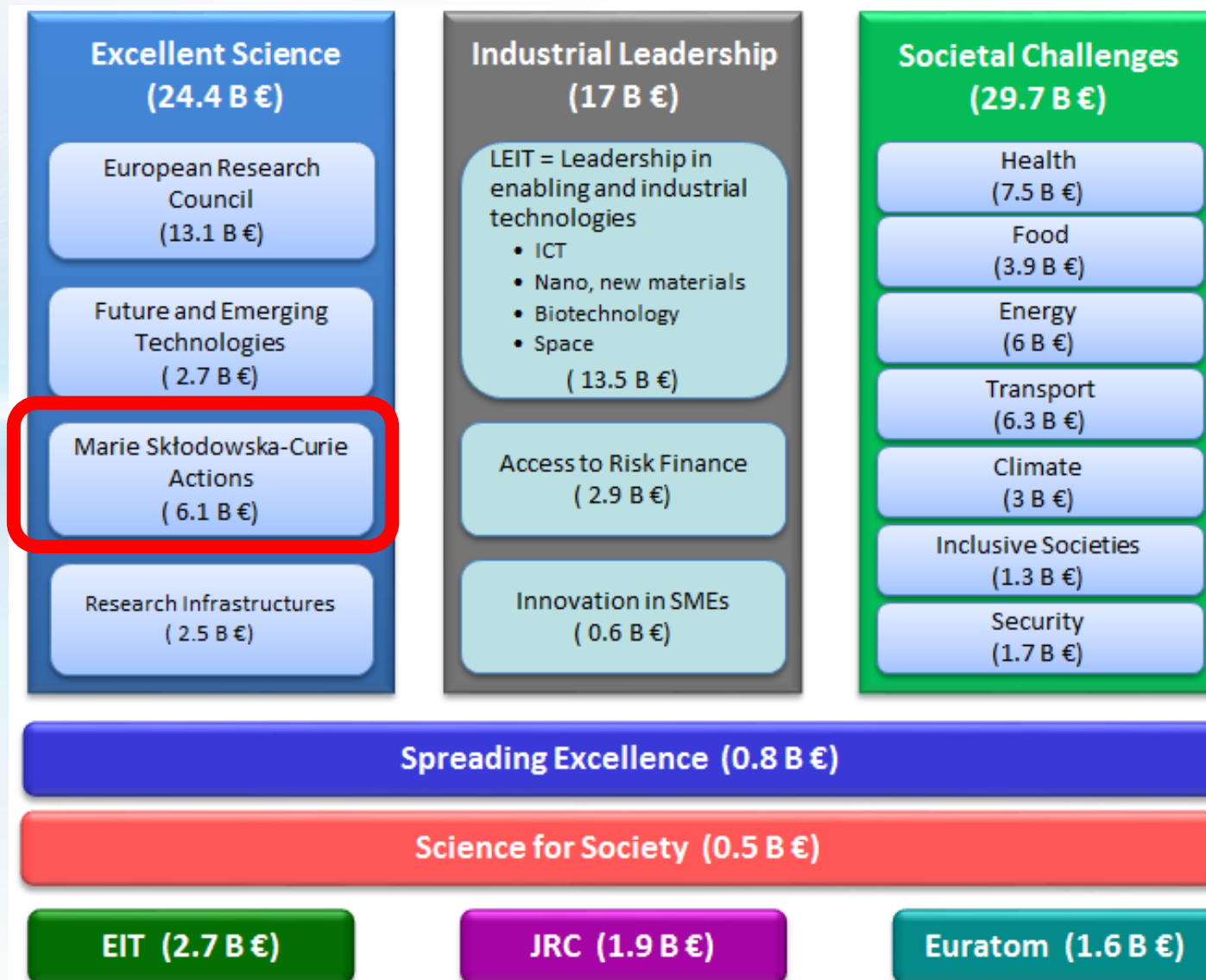






# Presentations today

- FET PROACT
  - **subCULTron**  
Thomas Schmickl  
Karl-Franzens-University Graz, AT
- FET OPEN
  - **RoboSoft**  
Cecilia Laschi  
Scuola Superiore Sant'Anna, Pisa, IT





# Presentation today

- Marie Curie Initial Training Network

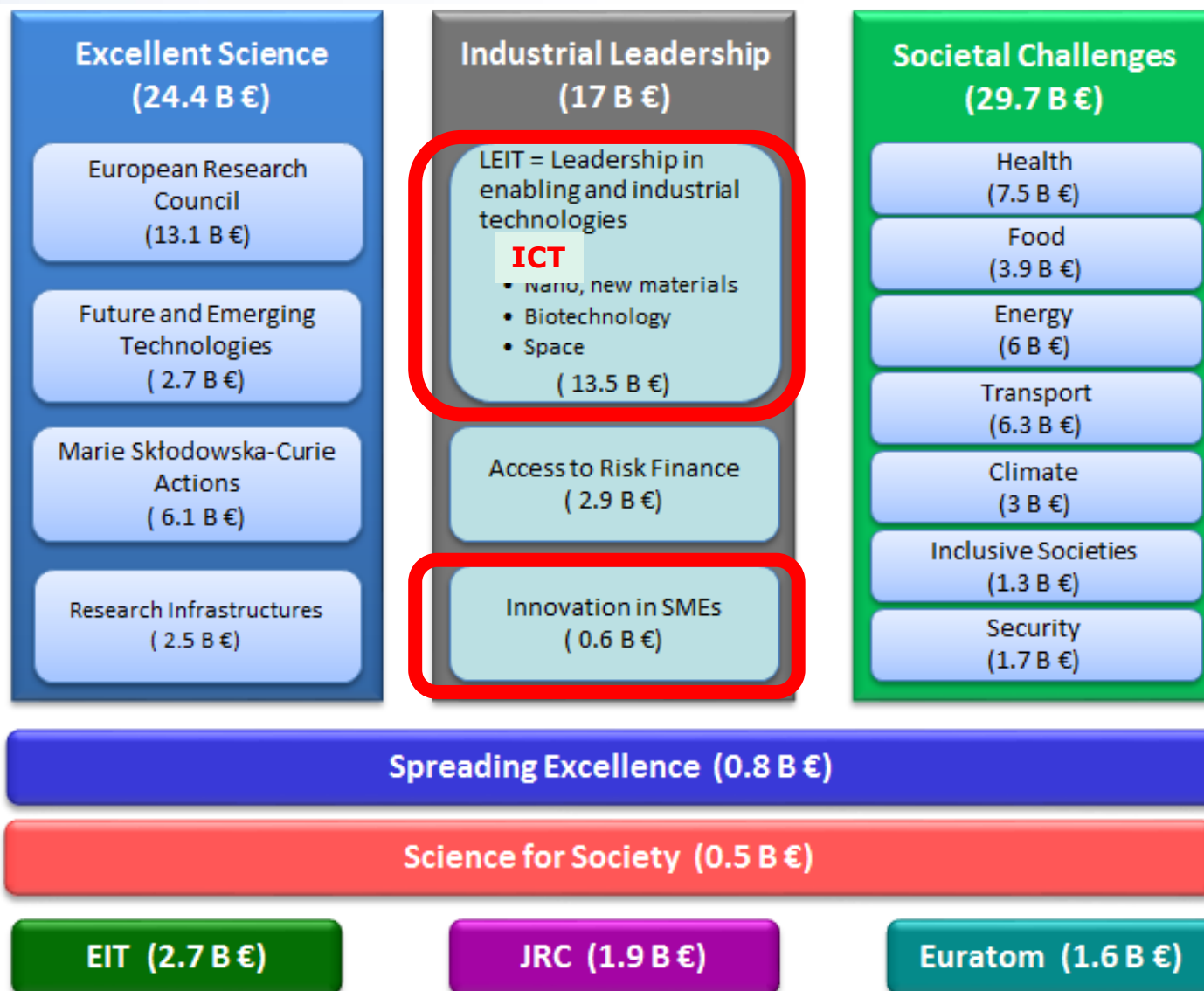
- **ROBOCADEMY**

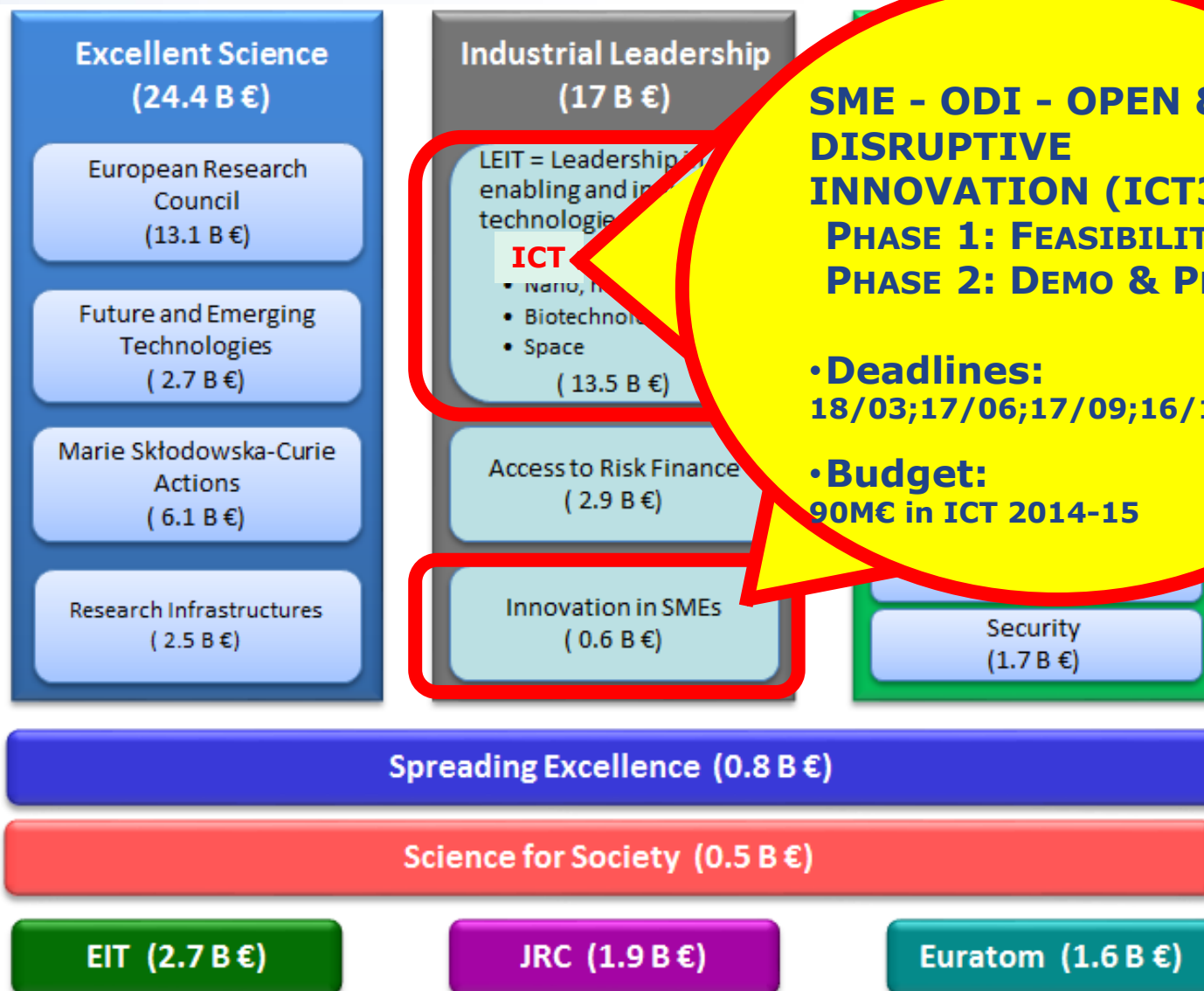
*European Academy for Marine and  
Underwater Robotics*

Dr. Thomas Vögele

DFKI Robotics Innovation Center Bremen, DE







# Presentation today

- SME - ODI Project
  - **Robotic insulated**  
Mathew Holloway  
Q-Bot Limited, UK

## ROBOTICS IN SOCIETAL CHALLENGES (2015)

- BG-7-2015: Response capacities to oil spills and marine pollutions
- MG.3.6-2015: Road transport automation
- SC5-11-2014/2015: Deep mining on continent and in sea-bed
- FCT-3-2015: Mobile, remotely controlled technologies to examine a crime scene

Industrial Leadership  
(17 B €)

Societal Challenges  
(29.7 B €)

Health  
(7.5 B €)

Food  
(3.9 B €)

Energy  
(6 B €)

Transport  
(6.3 B €)

Climate  
(3 B €)

Inclusive Societies  
(1.3 B €)

Security  
(1.7 B €)

Intelligence (0.8 B €)

Science for Society (0.5 B €)

EIT (2.7 B €)

JRC (1.9 B €)

Euratom (1.6 B €)

# Presentations today

- **Service Robotics for the Elderly**

Jan Komarek

European Commission

- **GrowMeUp**

Prof. Jorge Dias

University of Coimbra, PT



# ECSEL JTI – Joint Technology Initiative

## EU funding instrument (replacing ENIAC & ARTEMIS)

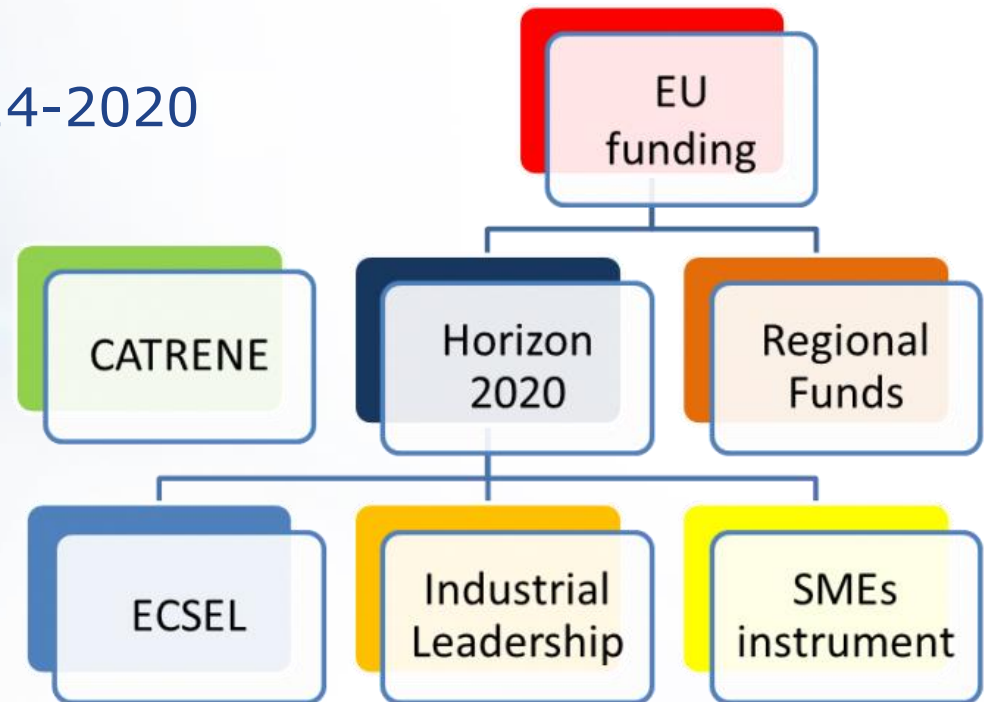
- **BUDGET:** 4,8bn€ - 2014-2020

- **COMBINED FUNDING:**

EU: 1.2 bn€

Member States: 1.2 bn€

Industry: 2,4 bn€



- **TOPIC**

Nanoelectronics, embedded systems smart system integration

# Presentation today

- **JTI ECSEL - EPoSS & Robotics:**

*Funding opportunities, possible collaborations*

Gereon Meyer

VDI/VDE Innovation + Technik GmbH, DE

## Agenda

### **SME - ODI Project**

Robotic insulated - Mathew Holloway, Q-Bot Limited, UK

### **FET PROACT**

subCULTron - Thomas Schmickl, Karl-Franzens-University Graz, AT

### **FET OPEN**

RoboSoft - Cecilia Laschi, Scuola Superiore Sant'Anna, Pisa, IT

### **MARIE CURIE INITIAL TRAINING NETWORK**

ROBOCADEMY - European Academy for Marine and Underwater Robotics - Dr. Thomas Vögele, DFKI Robotics Innovation Center Bremen, DE

### **JTI ECSEL**

EPoSS & Robotics: funding opportunities, possible collaborations - Gereon Meyer, VDI/VDE Innovation + Technik GmbH, DE

### **ROBOTICS IN SOCIETAL CHALLENGES**

Service Robotics for the Elderly - Jan Komarek, European Commission

GrowMeUp - Jorge Dias - University of Coimbra, PT

### **DISCUSSION**

Lessons learned, exchange of information and possible collaborations

# THANK YOU

