

EURIPIDES², Smart Electronic Systems



Summary



1. | **EUREKA Clusters**
2. | **EURIPIDES² scope**
3. | **International Board**
4. | **Winning proposal**
5. | **Call process**
6. | **Funding**
7. | **Success stories**
8. | **Calls 2017**



1. EUREKA Clusters

What is a EUREKA Cluster?

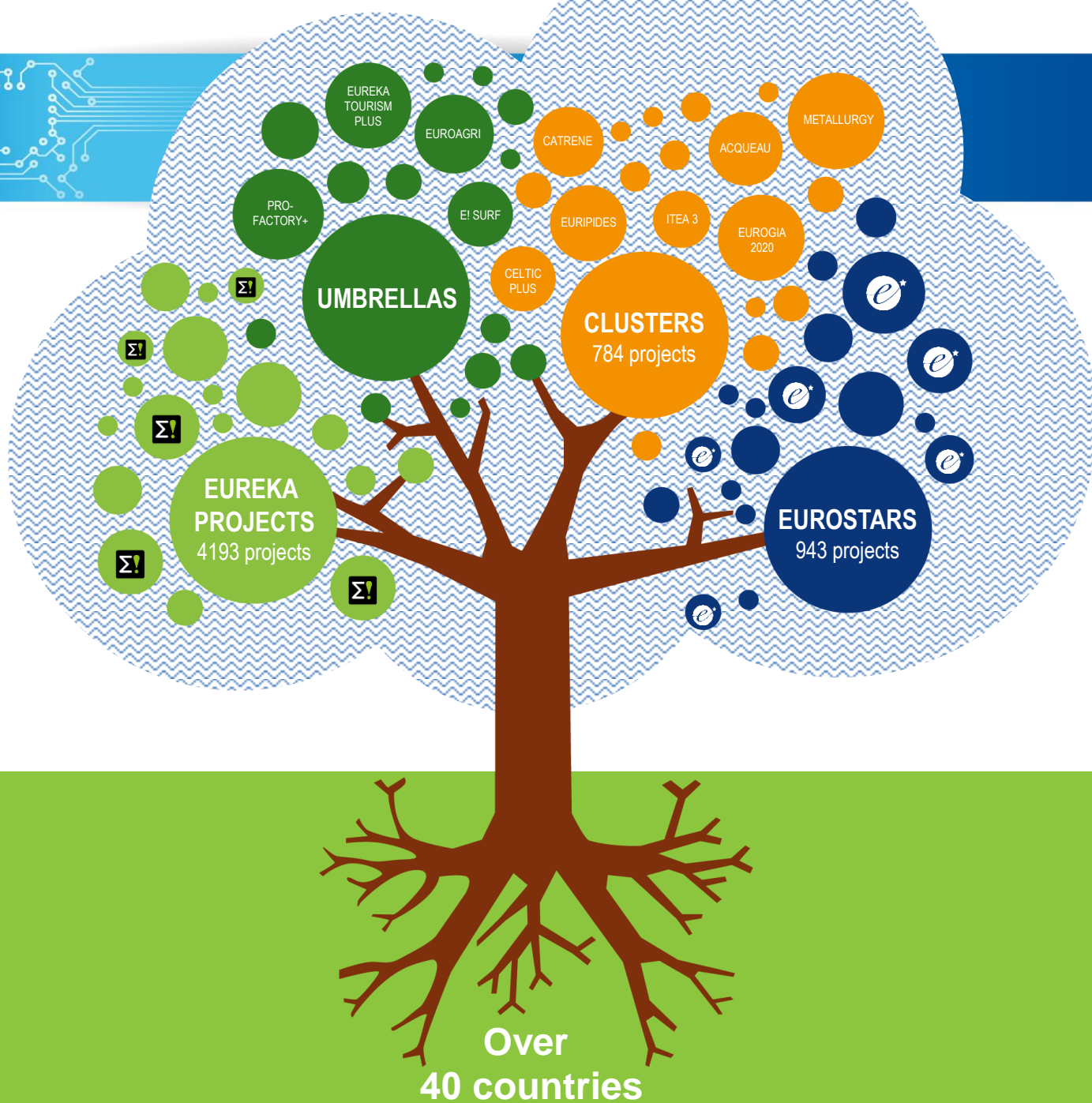


- ▶ **EUREKA instrument**
- ▶ **Industry-driven and market-oriented**
- ▶ **Thematic and bottom-up**
- ▶ **Industry vision and roadmap**
- ▶ **Strong involvement of SMEs**
- ▶ **Generate projects funded by National Authorities**
- ▶ **EUREKA Clusters accounts for 60% of the total EUREKA budget**



ITEA3





EUREKA Clusters



Telecommunications



Smart electronic
Systems



Low carbon energy
technologies



Software intensive
systems and
services



Alloys and composites
for industrial
applications



Micro- and Nano-
electronic technologies
and applications

A decorative graphic on the left side of the blue bar, featuring a stylized circuit board with various lines and nodes.

2. EURIPIDES² scope

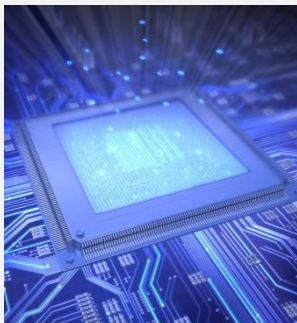
EURIPIDES²

EURIMUS/PIDEA+ 1998/2005

EURIPIDES 2006/2013 - EURIPIDES² 2014/2020



1998



SMART ELECTRONIC SYSTEMS

Σ EURIPIDES²

Smart Electronic Systems

WE ARE



The Power of
Smart Systems

→ **ΣURIPIDES²**

Smart Electronic Systems



IoT technologies RFID
electronic hardware mobility
smart grid NFC
optronics smart systems PCB MEMS
power electronics **packaging**
sensors factory of the future
security **electronic assembly**
automation **LED** mechatronics
3D assembly
more than Moore



Securi



Credits: Infineon, CEA-LETI, Eryma, STMicroelectronics, Continental, VTT

Smart system functionalities

Sensing, Metering, Measuring

Actuating, incl. smart power electronics and LED, laser, light

Data storage and processing, artificial intelligence

Communication and data transmission (incl. wired and wireless communication), communicating objects

Man-machine **interface**, e.g. displays, key pads, machine to machine, ...

Energy storage, management and harvesting (smart grids, smart building, ...)

Process and component technologies

Materials and Process technologies

Component technologies including MEMS, optoelectronics, printed, flexible electronics and bioelectronics

Packaging technologies, housing

System integration technologies

Reliability

EURIPIDES² industrial value chain

LEVEL 1 | Processes, equipment and tools, materials, substrates, packages

LEVEL 2 | Interconnection and passive components as well as MEMs and advanced packaging activities (excluding other semiconductor devices)

LEVEL 3 | Subsystem assembly, boards and modules including SiP, MCM and other 3D assemblies...

LEVEL 4 | Electronic products, systems, stand-alone (e.g. smartphones, PCs...), embedded (e.g. engine control unit...), “enmeshed” or “implanted” (e.g. intelligent clothes, building materials, medical implants, ...)

 **Download the Vision Mission and Strategy document**





3. International Board

From Canada to South Korea



Canada Ken Brizel



Sweden Michael Salter



France Hervé Mokrani



Austria Heinz Moitzi



Poland Marek Valdman



Canada Normand Bourbonnais



France Gilles Poupon



France Jean-Luc Maté



Switzerland André Perret



France Jean-Luc Diverchy



France Marc Pasquier



South Korea Hoyoung Hwang



Belgium Johan de Baets



Germany Klaus Pressel



Germany Klaus-Dieter Lang



Turkey Burak Aydin



France Renzo Dal Molin



Finland Anssi Korhonen



France Jean-Luc Diot



France Julien legrand



France David Hania



Turkey Cem Ulger



France Gilles Chemin



France Philippe Kertesz



France Jean-Paul Giry



France An Nguyen-Dinh



Finland Jyrki Kiihamaki

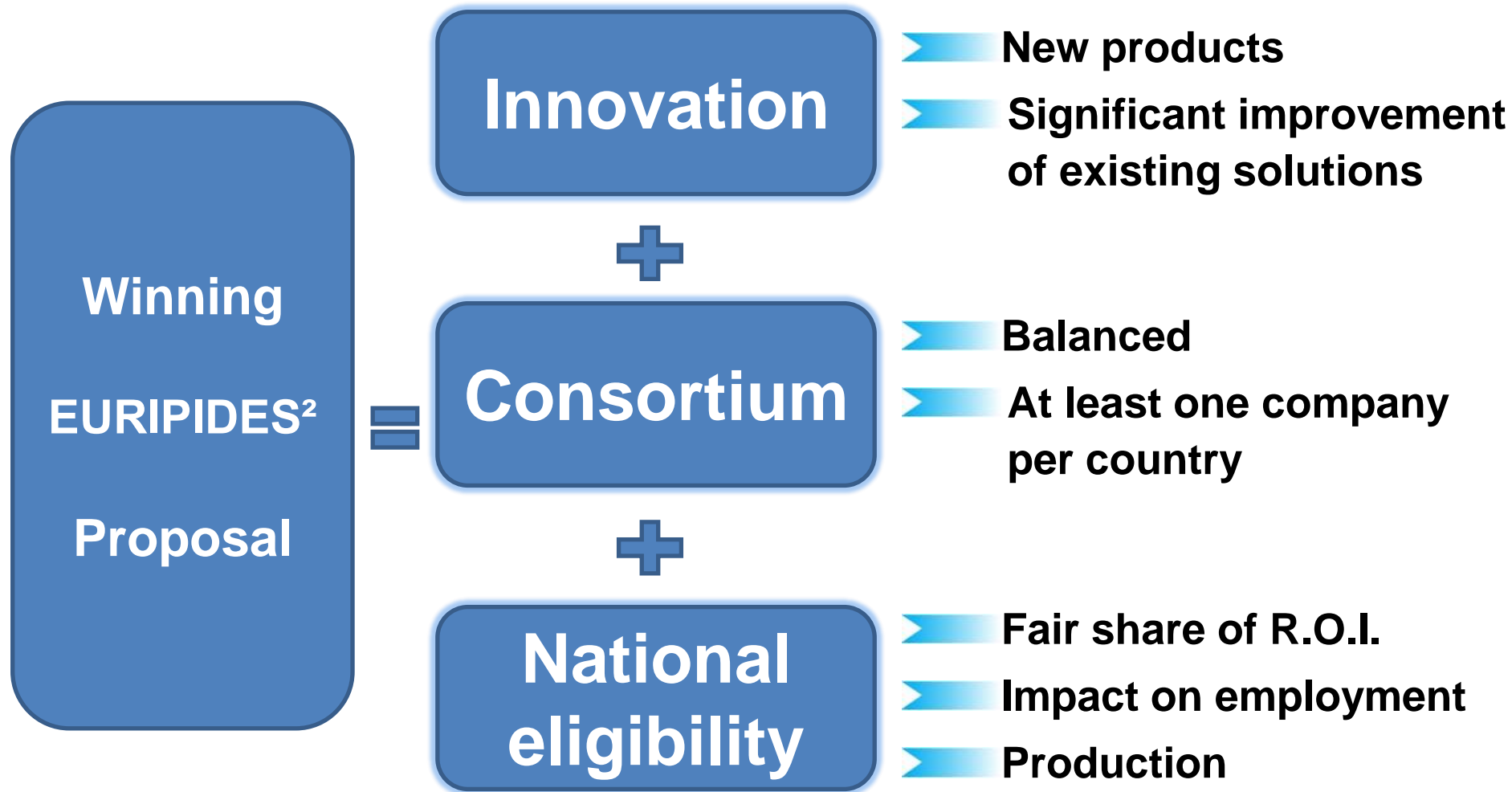
Open
Innovation
Club



4. Winning proposal



The equation





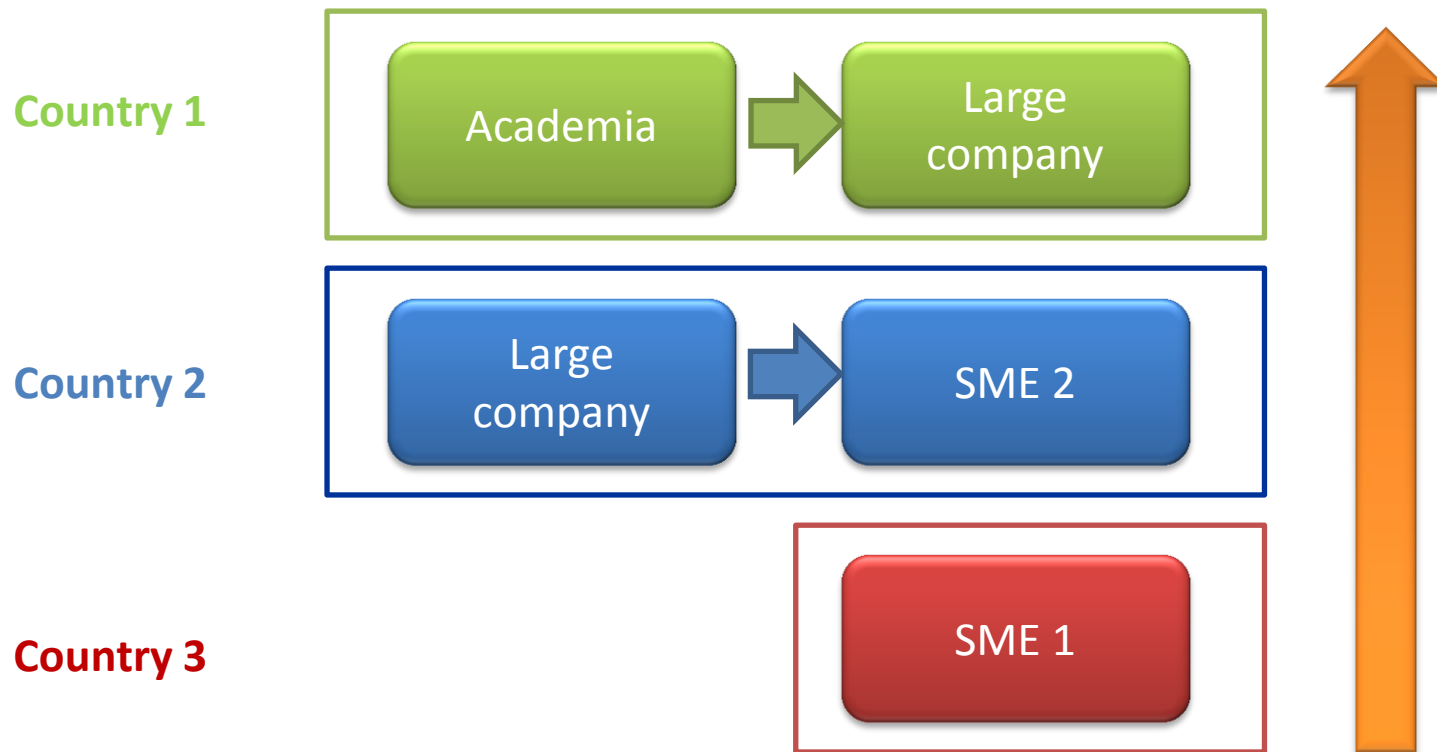
Check list



- ▶ **Is my idea in the EURIPIDES² scope?**
 - ▶ **Check with our Office**
- ▶ **Is the innovation demonstrated?**
- ▶ **Do I miss partners in the value chain?**
 - ▶ **Our Office can help you finding partners**
- ▶ **Is the ROI fairly shared between industrial partners?**
- ▶ **Did I check the funding rules?**
 - ▶ **Look at the EURIPIDES² web site “Public funding”**
- ▶ **Do I have a case at national level?**
 - ▶ **Contact your national representative**
- ▶ **How to improve my proposal and make my life easier?**
 - ▶ **Get a free consultation with our Office at the earliest stage**

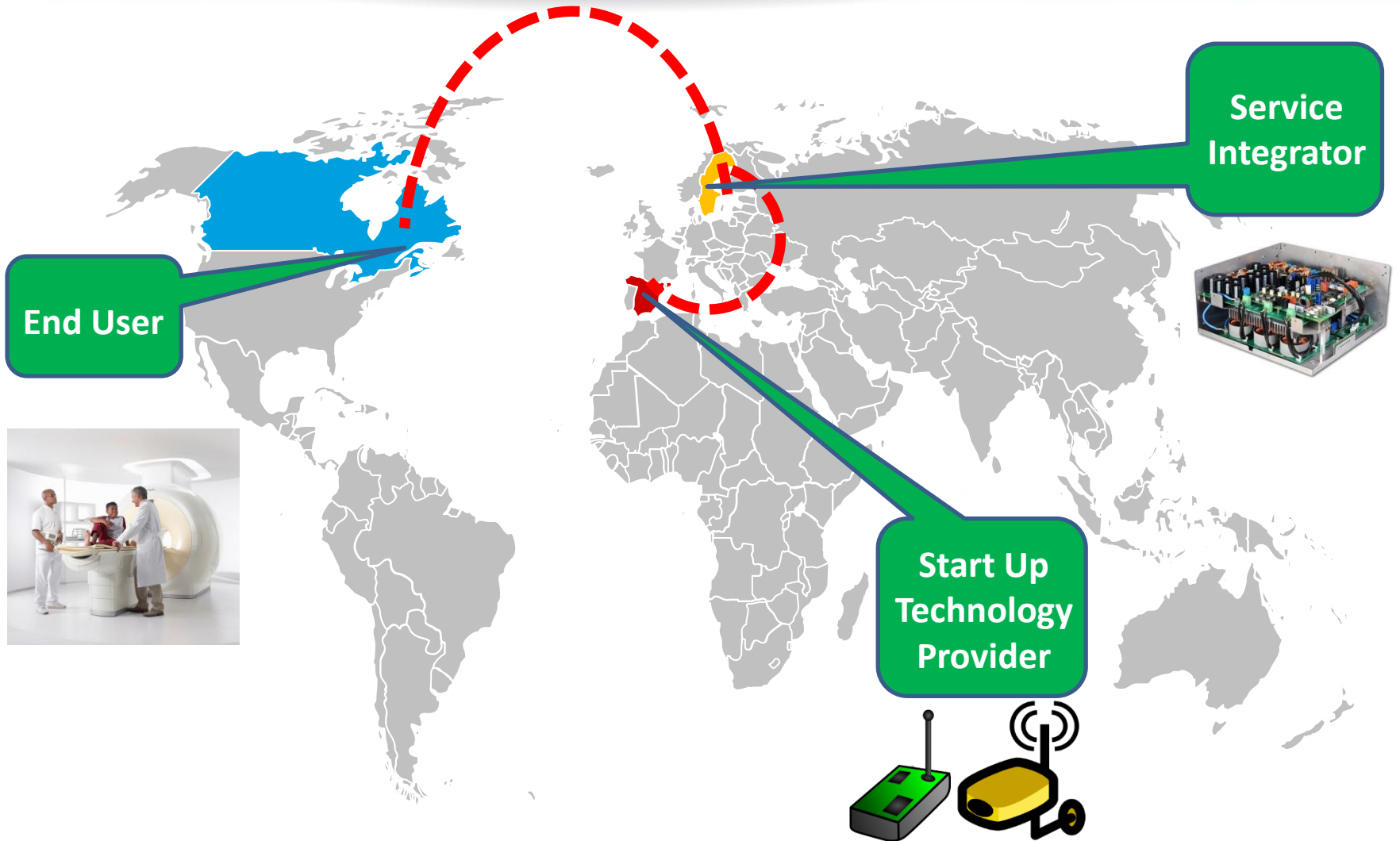
Consortium

A value chain to develop a product



Exploitation is mandatory in each country

Cooperation Model



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5. Call process

Ensuring maximum success



- **2 calls per year**
- **2 steps procedure**
- **Participants from at least 2 EUREKA countries**
- **Not more than 75% for one country**
- **Innovation**
- **Demonstrators - Products**
- **Market**
- **Fair Return on Investment for each industrial partner**

Call process



➤ **Project Outline (PO)**

➤ Concept and objectives



➤ Consortium (even if not fully settled,

➤ 10-12 pages

➤ Two external experts

➤ Technical Committee comments

➤ EURIPIDAC outlook on funding potentialities

➤ **Full Project Proposal (FPP)**

➤ Detailed document

➤ Innovation

➤ Partners and organisation

➤ Budget

➤ Deliverables and milestones

➤ Market and exploitation

➤ Risk evaluation

➤ 30-40 pages



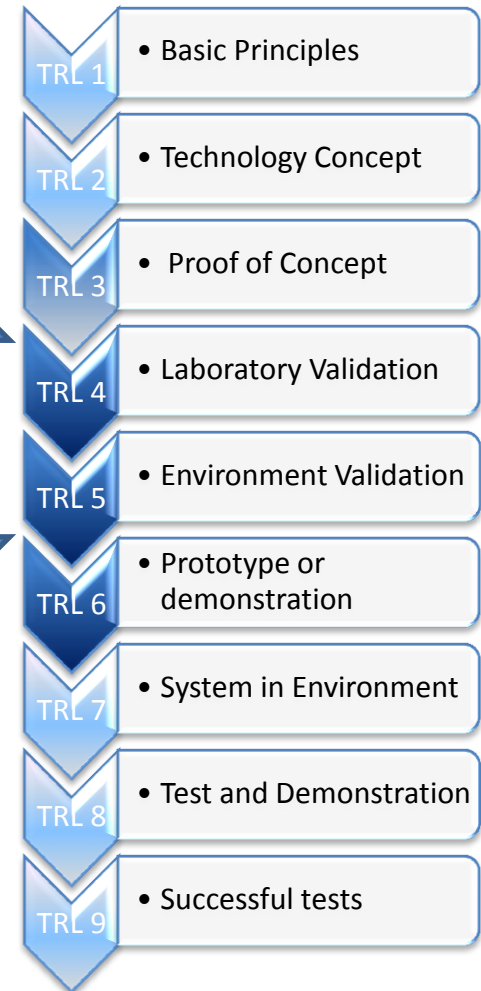
➤ Two external experts

➤ Evaluation report from the TEC

➤ EURIPIDAC second round on funding

Call For Proposal Process

OUR PROCESS





6. Funding

EUREKA members commitment



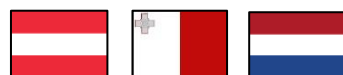
19 Members supporting:

Belgium, Canada, Czech Republic, Estonia, Finland, France, Germany, Ireland, Israel, Hungary, Norway, Monaco, Poland, Romania, South Korea, Spain, Sweden, Switzerland and Turkey



3 Members interested:

Austria, Malta, Netherlands



Funding



- ▶ Funding is decided at national level
- ▶ One “promoter” per country involved: mandatory to ensure the funding availability in all countries involved
- ▶ Check the funding rules on the E² website

The screenshot shows the 'PUBLIC FUNDING' section of the EURIPIDES S2 website. The navigation bar at the top includes links for ABOUT EURIPIDES², CALLS, PROJECTS, PUBLIC FUNDING (highlighted), PARTNERS, FOCUS, and NEWS. The main heading 'PUBLIC FUNDING' is displayed above a blue circuitry background. Below this, a breadcrumb trail reads 'Home > Public Funding'. The content area is titled 'PUBLIC FUNDING' and contains several paragraphs explaining the funding process, including the role of national authorities (EURIPIDAC) and the importance of contacting them. To the right, there is a 'List of countries' section featuring a map of Europe and a table of participating countries.

List of countries	
Albania	Lithuania
Austria	Luxembourg
Belgium	Malta
Bosnia Herzegov.	Monaco
Bulgaria	Montenegro

Newly labelled projects



- ▶ PAMIAQ: **Sensor** for indoor air quality. 3,1 M€
- ▶ ADVANTEX: Smart protective clothing with integrated sophisticated **microsystems**. 5,9 M€
- ▶ ASES: High Efficiency Alternative **Solar Energy** Source. 3,2 M€
- ▶ FLEXIDIS: Flexible Digital X-ray **Imaging** System. 1,7 M€
- ▶ SAM3: Smart Analysis Methods for **3D Integration** in Advanced Microsystems and Corresponding Materials. 19 M€
- ▶ EDDEMA: Embedded **Die Design** Environment & Methodology for Automotive Applications. 5,6 M€

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7. Success Stories

Projects Products



Credits:

ERYMA



ceradrop



Continental

Datacon





8. 2017 Calls

Call 2017



Spring call

➤ **Project Outline (PO): Tuesday 7 February 2017**

➤ **Full Project Proposal (FPP) : Tuesday 9 May 2017**

The EURIPIDES² Office



Molly Boissier
Office Assistant



Rémy Renaudin
Office Director



Looking for partners



Office can help you with finding partners

- ▶ Provide us with a few lines on the research topic and profile of partners
- ▶ Distribution to
 - ▶ News letters: 8000 contacts
 - ▶ Networks: public authorities, industry associations, regional networks and many more...
 - ▶ We never disclose who you are, but...
 - ▶ We forward you all requests...You have the choice!
 - ▶ On average, each search generate 10 contacts

THANK YOU FOR YOUR ATTENTION

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<http://www.euripides-eureka.eu>