

#EARTOPolicy24 #EARTOAwards24



**Policy Event & Innovation
Awards 2024**
23 October 2024, Brussels



visit.brussels – Password: bebrussels

Welcome to EARTO Policy Event & Innovation Awards 2024

THE SESSION WILL START SOON



#EARTOPolicy24 #EARTOAwards24

Opening

FRANÇOIS JACQ
EARTO President
& CEO, CEA



The power of EARTO: its Members!

7 NEW MEMBERS SINCE LAST OCTOBER EVENT:



CEIT (Spain)



CETIM (France)



CSIR (South Africa)



CAITRO (Canada)



+350 RTOs in 31 Countries

**Network of +228 000
Researchers, Engineers &
Technicians**



**Łukasiewicz
Institute of Non-Ferrous Metals
(Poland)**



Metrosert (Estonia)



**NTT
Next Technology
Tecnotessile (Italy)**

Today's Critical Issues



Competitiveness in
the European Union



RD&I recognised as an essential factor of competitiveness

Europe's challenges today:

- ❖ **EU is drifting away from the technology frontier with erosion of EU competitiveness in critical technologies**
- ❖ **Scaling up and commercialising RD&I results remain a major challenge for Europe**
- ❖ **Industrial capacity losses**
- ❖ **Adaptation to new geopolitical and security challenges**
- ❖ **Economic dependencies and vulnerabilities**
- ❖ **Climate crisis and energy transition**



Now Europe needs to 'walk the talk'...

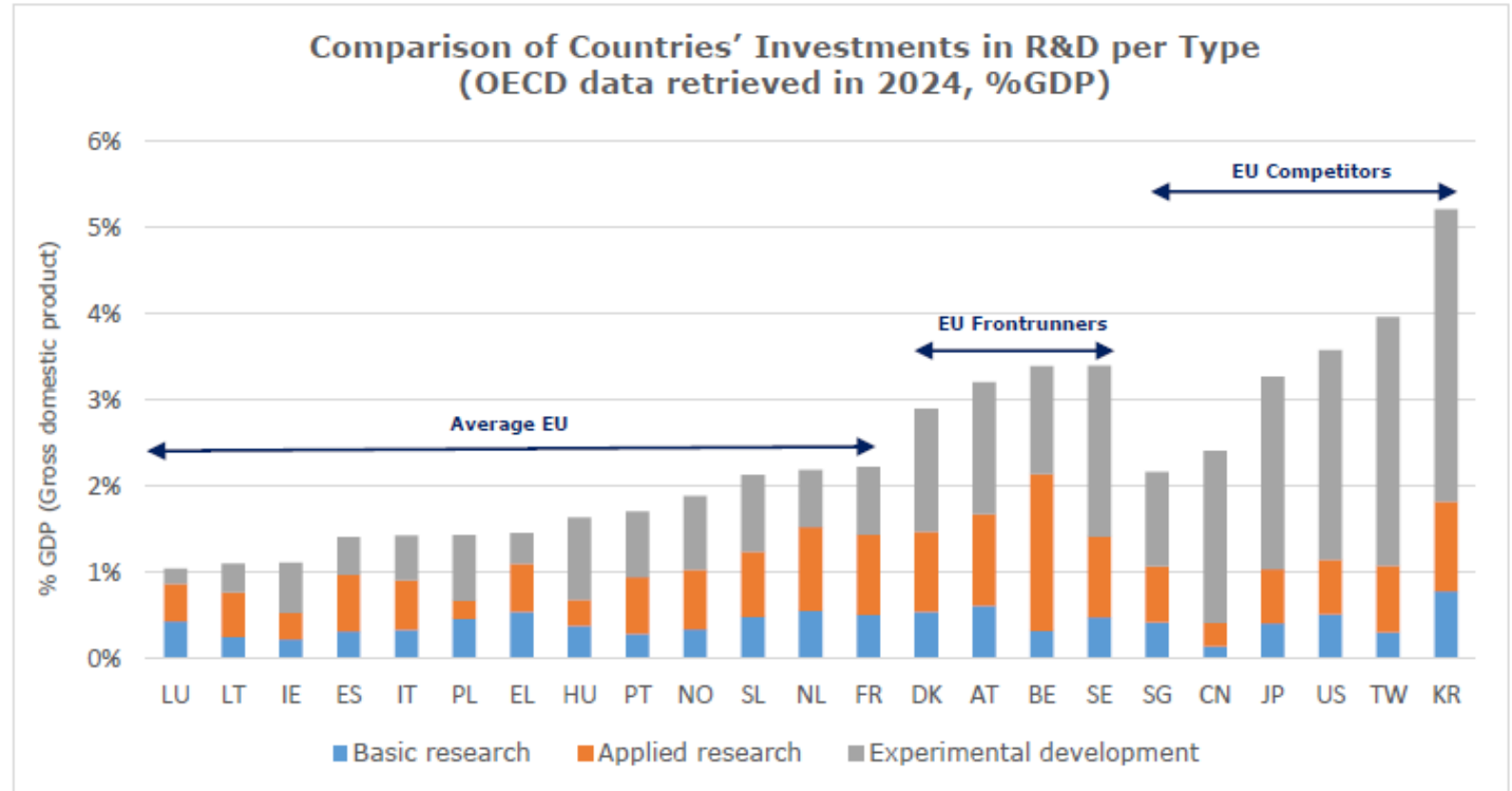
Next EU MFF to prioritise RD&I:

- ❖ **RD&I investments must be ringfenced within the next EU MFF**
- ❖ **RD&I must also be incorporated in the next MFF by design to boost our European RD&I ecosystem** (i.e., by linking RD&I to other policies by design)

This will pass by:

- 1. EU RD&I investments representing a significant share of the next EU budget:** Draghi's report and Heitor's report call for €200+ billion budget for FP10,
- 2. EU RD&I investments should incentivise private co-investments by design:** thanks to public-private partnerships, dialogue with industry, clear commitments,
- 3. The next EU budget should allow flexibility (in programming) and stability (of investments) at the same time.**

What type of EU RD&I needed?



%GDP	LU	LT	IE	ES	IT	PL	EL	HU	PT	NO	SL	NL	FR	DK	AT	BE	SE	SG	CN	JP	US	TW	KR
Basic research	0.434	0.253	0.223	0.318	0.335	0.459	0.545	0.377	0.287	0.34	0.485	0.554	0.51	0.539	0.611	0.321	0.477	0.422	0.145	0.407	0.513	0.302	0.783
Applied Research	0.434	0.518	0.310	0.650	0.576	0.207	0.557	0.303	0.656	0.689	0.754	0.969	0.927	0.936	1.064	1.820	0.938	0.650	0.272	0.626	0.636	0.773	1.039
Experimental Development	0.173	0.334	0.577	0.443	0.515	0.765	0.356	0.954	0.758	0.859	0.889	0.661	0.781	1.423	1.528	1.251	1.982	1.090	1.990	2.235	2.432	2.884	3.389
Total	1.041	1.104	1.111	1.411	1.427	1.432	1.458	1.634	1.702	1.888	2.128	2.184	2.218	2.897	3.203	3.392	3.39	2.163	2.407	3.267	3.580	3.959	5.211

EARTO Recommendations

1. Strengthen FP10 Investments in Developing Critical Technologies using the FP's Pillar 2

- ❖ To focus future FP10 investments on the already identified EU critical technologies.
 - 3 targets lists that require combining: the NZIA list, the critical technologies list published in the EC Communication on Economic Security and the technology target areas within the Strategic Technologies for Europe Platform (STEP).
- ❖ Streamline and strengthen current EU RD&I public-private partnerships (focussing on the co-programmed or institutionalised partnerships' models) with simpler and faster funding procedures to boost participation of large companies and their suppliers.

EARTO Recommendations

2. Make the new Competitiveness Fund a catalyst of additional private RD&I investments

- ❖ **the new Competitiveness Fund (CF) could ensure coherence and articulation between EU RD&I & industrial policies:**
 - **The CF should be linked to renewal of our economy and industry.**
 - **The future CF's strategic industrial sectors & FP10's technology priorities should be aligned.**
- ❖ **A new incentive to RD&I investments for companies applying to future EU financial instruments based on loans and guarantees (via the EIB/EIF) which may be used in the new CF**

EARTO Recommendations

3. Launch a major new EU programme in support of Technology Infrastructures within FP10

EARTO is calling for a specific instrument for Technology Infrastructures under the next EU MFF of €10 billion to support future investments and bridge the gap in capabilities compared to Europe's global competitors

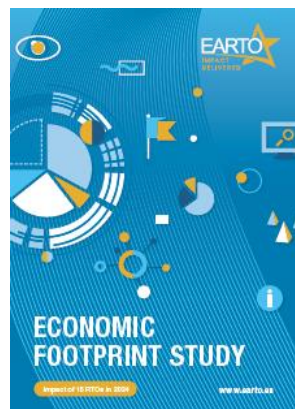


EARTO Recommendations

4. Mobilise and strengthen European RTOs' capabilities across Europe

Future EU policies aiming at boosting competitiveness should:

- ❖ **Further utilise RTOs' capabilities to define further industrial needs for technology development across Europe,**
- ❖ **Support RTOs in continuously developing and expanding their range of capabilities.**



For each **1 job** in these RTOs, almost **5 jobs** have been created elsewhere in Europe



For each **€1** invested in these RTOs operational grants, more than **€2** return flew back to governments staff

RTO Impact on the Rise of Industry in Europe

3 ILLUSTRATIVE RESEARCH AND BUSINESS CASES

The logo for Aledia, featuring the word "Aledia" in a blue, cursive script font.

Supporting a start-up to take the technology from the laboratory to the 1st factory taking advantage of RTO pilot lines and collaborative projects



GENVIA

Nurture a breakthrough technology, using collaborative projects and pilot lines to fuel progress, to the point of making company creation relevant

The logo for soitec, featuring the word "soitec" in a black, lowercase sans-serif font. The letter "o" is stylized with a green and blue circular graphic element.

Helping an innovative company to bring a new technology to the market, contributing to the creation of a new factory

- ❖ **RD&I**
- ❖ **INVESTMENTS**
- ❖ **MORE**
- ❖ **IMPACTFULL**
- ❖ **STRATEGIC**
- ❖ **INDUSTRY-DRIVEN**
- ❖ **TECHNOLOGY**
- ❖ **SCALING-UP**
- ❖ **SPEED**

Keynote Speech

EKATERINI KAVVADA
Director for Secure and
Connected Space, DG Defis,
European Commission



Keynote Speech

THIBAUT KLEINER

**Director for Policy, Strategy
and Outreach, DG CNECT,
European Commission**



“GEOPOLITICS & TECHNOLOGY – WHAT ARE THE IMPLICATIONS FOR EU COMPETITIVENESS & THE ROLE FOR EUROPEAN RTOS?”

MODERATOR

MURIEL ATTANÉ, *EARTO Secretary General*



SPEAKERS

MARIA CRISTINA RUSSO

*Director of Prosperity,
DG Research & Innovation,
European Commission*



JESUS VALERO

*EARTO Vice-President &
Managing Director,
TECNALIA*



GEORG LIST

*VP Corporate Strategy and
Research & Technology,
AVL & WG R&I Chair,
BusinessEurope*



ESPEN SOLBERG

*Head of Research, Studies in
Research and Research Policy,
NIFU*



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Opening Ceremony

FRANÇOIS JACQ
EARTO President
& CEO, CEA

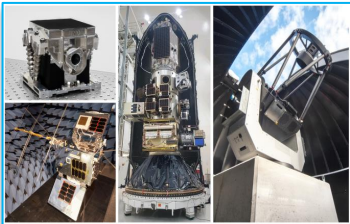


EARTO Innovation Awards 2024

IMPACT DELIVERED



Blue Foot Membranes



The CubeCAT



StackPack™ 75



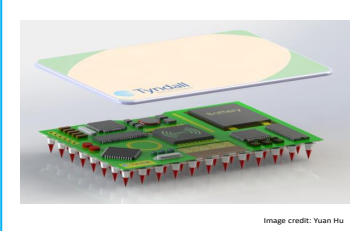
IMPACT EXPECTED



Hypermine



iLoF



MicroTIPs

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2024 INDEPENDENT JURY



Juan Antonio Tébar
Director, CDTI



Salla Saastamoinen
Deputy Director General,
DG Joint Research Centre,
European Commission



Christian Ehler
Member of the
European Parliament



Jana Kolar
Executive Director,
CERIC-ERIC & Chair,
ESFRI



Dave Wilkes
Director, Innovate UK

CATEGORY IMPACT DELIVERED

FINALISTS



StackPack™ 75

Accelerating the development of clean mobility

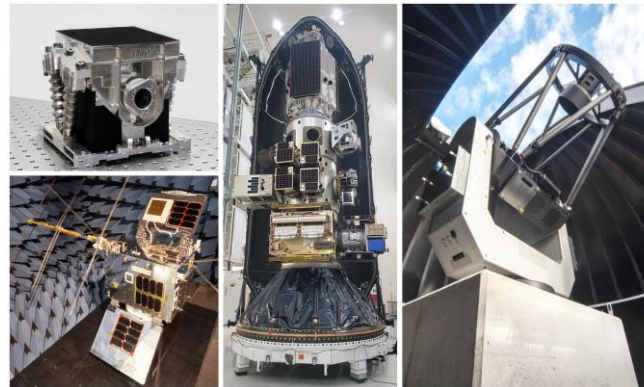


AAC
HYPERION



The CubeCAT

The CubeCAT laser terminal lights up the sky with unprecedented data rates



Blue Foot Membranes

A robust and reliable membrane technology for water reuse



IMPACT DELIVERED

THE WINNER IS...

#EARTOAwards24



VITO

BLUE FOOT MEMBRANES

CATEGORY IMPACT
DELIVERED

Walter Eevers

*Director Research & Valorisation,
VITO*



ROBUST AND RELIABLE MEMBRANE
TECHNOLOGY FOR WATER REUSE



#EARTOAwards24

CATEGORY IMPACT EXPECTED

FINALISTS



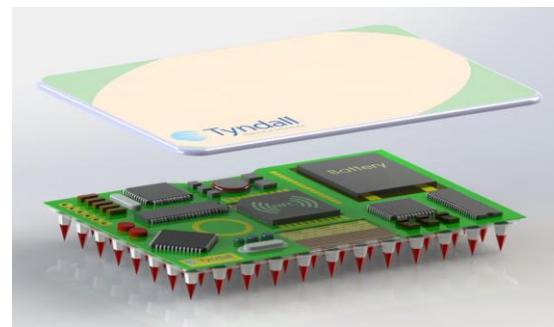
iLoF

an AI-powered photonic technology to select the right patients for the right clinical management



MicroTIPs

Improved patient wellbeing through the use of connected microneedles



Hypermine

A pivotal step towards sustainable mining



IMPACT EXPECTED

THE WINNER IS...

#EARTOAwards24



INESC TEC

iLoF

João Claro
CEO
INESC TEC



**An AI-powered photonic technology
to select the right patients for the
right clinical management**



**CATEGORY IMPACT
EXPECTED**



**Thank you for
attending!**

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