

# **EARTO Annual Report 2022**

*Strengthening the role of RTOs  
supporting industry & society in the  
post-pandemic era*

**29 January 2023**

# Highlights 2022

- EARTO positioned RTOs as key actors of the EU twin green & digital transitions
- EARTO successfully developed and promoted EARTO 19 publications, including position papers thanks to its 7 Working Groups' expertise (i.e. coordination more than 500 experts)
- EARTO promoted RTOs participation in EU RD&I programmes: Horizon Europe, Digital Europe, Regional, Space & Defence Programmes
- EARTO participated in European Research Area (ERA) Forum and promoted RTOs as key RD&I actors
- EARTO supported the European Parliament in securing investments in RD&I on 2023 EU Budget
- EARTO continued its collaborations with key RD&I actors:
  - Publishing with OECD a Joint Study on the contribution of RTOs to socio-economic recovery, resilience and transitions
  - Publishing with EC DG JRC a Joint Report on Technology Infrastructures
  - Answering to the EC Consultations on Horizon Europe Interim Evaluation & Horizon 2020 Final Evaluation
  - Publishing with ASTP, Aurora Universities, Coimbra Group, EU-LIFE, The Guild, IDEA League & LERU a Joint Statement on the MGA IP Provisions of the EIC under Horizon Europe
  - Co-chairing the Industry-RTOs Informal Group on RD&I framework programme with Business Europe and DIGITALEUROPE comprising 30+ EU sectoral industrial associations to promote the role of applied RD&I in EU framework programmes
  - Sponsoring a new IDEA Consult report on the review of the impact assessment studies of RTOs
- EARTO organised several key events with EU Representatives enabling its members to discuss key EU topics with EU Institutions
- EARTO Working Group Space launched into a new stand-alone association EASTRO

# EARTO Network in figures



**7 Working Groups:** 4 Policy WGs and 3 Technology WGs  
**4 Task Forces** active this year



Members covering now **31 countries**,  
**with 96% of members actively involved** in our Working  
Groups & Task Forces



**Active EARTO management: Board & Steering  
Committee members** combined met **6 times** this year

# Highlights 2022



**19 publications, including many alliances with other key Stakeholders**



**EARTO Annual Conference, Policy Event and Innovation Awards, EU Presidency Events & various workshops/webinars**



**EARTO held various meetings with EU Institutions Representatives and SHOs & participated in 150+ external events**



# EARTO Members' participation in Horizon Europe (HE)



**EARTO members represent 1% of the beneficiaries, but receive 8,6% of the available funding**



**EARTO members participate in large collaborative projects with on average €6.2m EU contribution and 16 partners per project**



**Industry participation increases to 36% when EARTO members are involved in the project (27% when they are not)**



**64% of the funding spent in Pillar II given to projects with EARTO members**

(eCorda data November 2022)



**EARTO members coordinate 1/3 of the projects in which they participate**



**25% of all Horizon Europe projects includes at least one EARTO members, and these projects represent 51% of HE EU funding**



**148 informative emails** on key dossiers to WGs & TFs,  
**73 articles** published on **EARTO website**



**Twitter & LinkedIn accounts** with around **6,100 followers** and **13,110 members**



**EARTO active in 5 EC HLGs:** DG GROW EU Industrial Forum, DG CLIMA EU Sustainable Finance Platform, DG R&I EIC Board, DG REGIO I3 Expert Group, DG REGIO CPR partners

# New EARTO Members 2022

**EARTO welcomed 2 new members in 2022:**  
**ELDORADO (BR) & ITENE (ES)**



# EARTO Innovation Awards 2022



PRIZE  
**1<sup>ST</sup>**

**INERATEC**

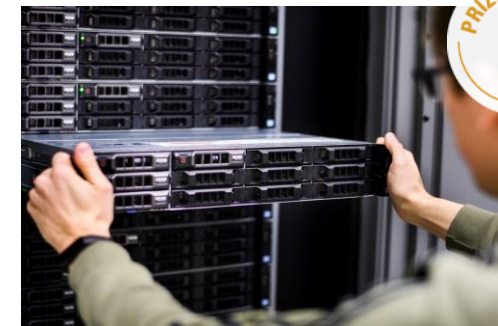
**HELMHOLTZ** **INERATEC**



PRIZE  
**2<sup>ND</sup>**

**SEAM**

**Fraunhofer** **Fraunhofer**  
IWU



PRIZE  
**3<sup>RD</sup>**

**Holistic Cooling**

**RI  
SE**



PRIZE  
**1<sup>ST</sup>**

**Carbonaide**

**VTT**



PRIZE  
**2<sup>ND</sup>**

**ZE H2-ICE**

**TNO** innovation  
for life



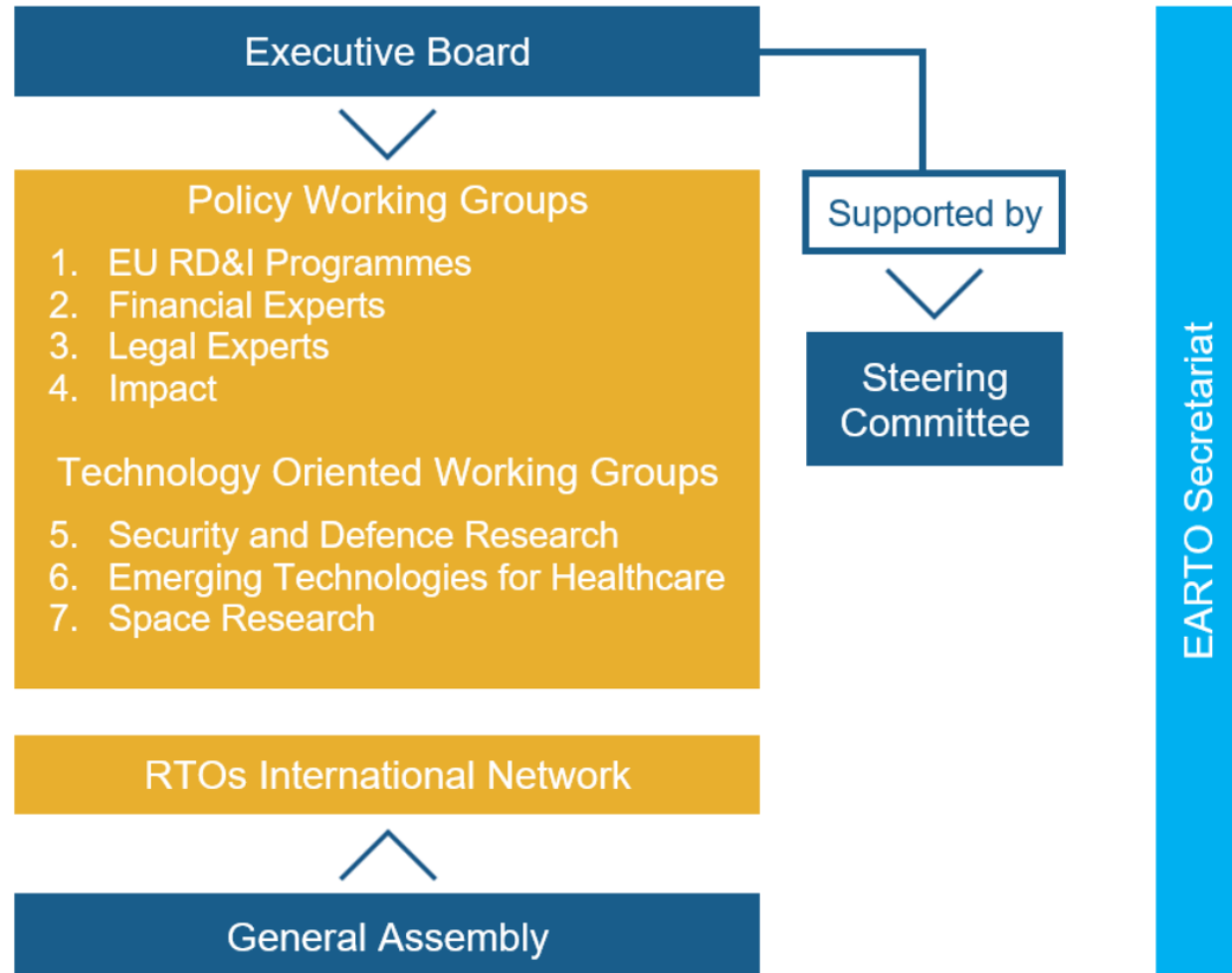
PRIZE  
**3<sup>RD</sup>**

**I Hear You2**

**SINTEF**



# EARTO Structure



## Changes in WGs in 2022

- Preparation for the creation of RTOs Space Association (EASTRO) - WG Space to finish its mandate in early 2023
- New Chairs in WG Financial & Impact
- New Co-Chair in WG Security & Defence
- New Core Team Members in WG Financial & WG Healthcare

## Task Forces active in 2022

- TF on Technology Infrastructures
- TF on OECD Project on the Funding of RTOs
- TF on RIN Benchmarking
- TF on RIN Personnel Exchange

# EARTO Board 2022

(Voted at GA 2022 - Order of entering, without exiting members)

Country	Name	Organisation
AT	Sonja Sheikh	ACR
DE	Mathias Rauch*	Fraunhofer Gesellschaft
IE	William Scanlon	Tyndall
LT	Gintaras Valusis	FTMC
LU	Thomas Kallstenius	LIST
PT	João Claro	INESC TEC
SE	Pia Sandvik*	RISE
UK	Clive Hickman	MTC
CH	Harry Heinzelmann	CSEM
CY	Tasos Kounoudes	SignalGenerix
DK	Ragnar Heldt Nielsen	GTS
ES	Aureo Díaz Carrasco	FEDIT
FI	Antti Vasara*	VTT
PL	Piotr Dardziński	Łukasiewicz Research Network
BE	Anne Van den Bosch	IMEC
FR	François Jacq *	CEA
IT	Marco Alvisi	CETMA
NO	Alexandra Bech Gjørv	SINTEF
ES	Jesús Valero*	Tecnalia
GR	Dimitrios Myttas	KEMEA
SI	Boštjan Zalar	Jozef Stefan Institute

**\* Steering Committee members**

# EARTO WG EU RD&I Programmes Experts

**Chair & Core Team:** EARTO Secretariat, Eurecat, Fraunhofer, TNO, VTT

- EARTO-ERRIN Online Workshop on “How to strengthen collaboration between regions and RTOs to support a sustainable transition”
- Various webinars with EU institutions officials & SHOs

## PAPERS PUBLISHED IN 2022

1. EARTO Paper on a New European Innovation Agenda
2. EARTO Answer to the EC Consultations on Horizon Europe Interim Evaluation & Horizon 2020 Final Evaluation
3. EARTO Press Release - 2023 EU Budget Negotiations: The EU RD&I Budget should not become a recurrent adjusting factor in the MFF's yearly budget negotiations
4. EARTO Memo on 2023 EU Budget

## 2022 KEY ISSUES

- Horizon Europe: launch & implementation, Clusters/KETs, Partnerships, Missions, EIC, EIT, etc., Drafting Strategic Plan 2025-2027 and interim evaluation
- Horizon 2020 ex-post evaluation
- ERA implementation: Following ERA Forum & ERA actions of interest
- Digital Europe Programme: following implementation, Innovation Hubs & TEFs
- Interregional Innovation Investments (I3): following launch and promoting RTOs participation with regions

## Cooperation with EC DGs & other Stakeholders

- DG R&I, DG CONNECT, DG GROW, DG JRC, DG REGIO
- EP (ITRE & REGI)
- Council
- Committee of the Regions
- Industry: Business Europe, Digital Europe, Orgalim and 30+ other Industry associations
- Regions: ERRIN & Vanguard Initiative
- Universities: EUA, CESAER, The Guild
- CEIAC
- Various consultants hired by DG R&I for EU studies

# EARTO Members' Participation in Horizon Europe - Until end November 2022

## EARTO members strongly contributing to Horizon Europe

**EARTO members received  
8,6% of HE EU funding**

While EARTO members only  
represent **1,1%** of all HE  
beneficiaries

**Respectively 8% and 1% in  
H2020**

**Projects involving at least one  
EARTO member received  
51% of HE EU funding**

**Respectively 44% in H2020**

**25% of all HE projects  
includes at least one EARTO  
member**

**Respectively 15% in H2020**

(eCorda data November 2022)



# EARTO Members' Participation in Horizon Europe - 2

## EARTO members fostering industry participation in Horizon Europe projects

The average industrial involvement in HE projects increases to **36% when EARTO members are involved in the project** from **27%** when they are not part of the consortium

**Respectively 34% and 24% in H2020**

## EARTO members involved in large multi-stakeholders' collaborative projects

HE projects with EARTO members receive **on average €6,2m of EC funding in HE**

While the average EU funding per project in HE is **€3m**

**Respectively €4,8m and €1,7m in H2020**

HE projects with EARTO members count **16 partners on average per project in HE**

While the overall average in HE is **8** partners per project

**Respectively 12 and 3 in H2020**

# EARTO Members' Participation in Horizon Europe - 3

EARTO members taking responsibility in Horizon Europe		
<p>Each EARTO member receive on average <b>€604k</b> of EU contribution per project in HE</p> <p>While the average EU contribution per participation is <b>€394k</b></p> <p>Respectively <b>€577k</b> and <b>€384k</b> in H2020</p>	<p>EARTO members coordinate <b>7,7%</b> of all HE projects</p> <p>Respectively <b>4,8%</b> in H2020</p>	<p>EARTO members coordinate <b>1/3</b> of all HE projects in which they participate</p> <p>Same coordination rate in H2020</p>
EARTO members greatly contribute to Horizon Europe Pillar II		
<p>The <b>Top 5</b> beneficiaries in terms of EU contribution are EARTO Members in the Pillar II</p> <p>EARTO members count <b>5</b> of the <b>top 10</b> coordinators in terms of EU contribution</p> <p>While there are <b>10,815</b> beneficiaries in total in this pillar</p>	<p><b>54%</b> of the projects in the Pillar II include at least one EARTO member</p> <p>Those projects received <b>64%</b> of the EU funding available in this pillar</p> <p>Pillar II represents <b>69%</b> of HE funds spent so far</p>	<p><b>10.3%</b> of Pillar II funding is received by EARTO members</p> <p>While EARTO members represent <b>1%</b> of the beneficiaries in Pillar II</p>

# EARTO WG Legal Experts

**Chair & Core Team:** CEA, TNO, VTT

- **Public Webinar on EARTO Paper – Current Hurdles to Mobility of Researchers**
- **Various meetings of the Core Team with EC representatives to present the various papers published**

## **PAPERS PUBLISHED IN 2022**

1. **EARTO Answer to EC Consultation on Standard Essential Patents (SEPs)**
2. **EARTO Answer to EC Consultation on the draft Code of practice on standardisation for researchers**
3. **EARTO Paper on EIC MGA IPR Provisions**
4. **Joint Statement Paper on the Model Grant Agreement's Intellectual Property Provisions of the European Innovation Council under Horizon Europe**

## **2022 KEY ISSUES**

- **Horizon Europe implementation: Rules for Participation and Model Grant Agreement (legal aspects) & Annotated Grant Agreement, Data Management Plan**
- **EU State Aid rules: implementation and revision**
- **Intellectual Property Rights, Standard Essential Patents & Standardisation**
- **Open Science policy, incl. FAIR data, European Open Science Cloud, Open access to publications**
- **Pre-Commercial Procurement**

## **Cooperation with EC DGs & other Stakeholders**

- **DG R&I, DG COMP, DG JRC, DG CONNECT, DG GROW, DG EMPL**
- **EP (ITRE)**
- **Council**
- **Industry: Business Europe, Digital Europe (especially on SEPs)**
- **Universities: EUA, CESAER, The Guild**
- **ASTP**

# EARTO WG Financial Experts

**Chair & Core Team:** DTI, AIT, CEA, Helmholtz, TNO

- Various meetings of the Core Team with EC representatives

## PAPERS PUBLISHED IN 2022

### 1. EARTO Analysis of Horizon Europe Pre-Draft AGA – Financial Aspects

## 2022 KEY ISSUES

- Horizon Europe implementation: Rules for Participation and Model Grant Agreement & Annotated Grant Agreement (financial aspects)
- Usual cost accounting practices, unit costs, allocation keys, internally invoiced goods and services
- Audits, cross-reliance, system and process audits
- Monitoring Lump Sum pilots and implementation in HE Work Programmes
- New RD&I related programmes' rules for participation: Digital Europe, Defense, Space

## Cooperation with EC DGs & other Stakeholders

- DG R&I, DG BUDG
- ECA
- EP (ITRE, BUDG, CONT)
- Members States' Horizontal NCPs
- Accountancy Europe



# EARTO WG Impact Experts

**Chair & Core Team:** TNO, LIST (until October 2022), TecNALIA

- Various meetings with OECD on the role of RTOs in supporting Sustainable Transitions

## PAPERS PUBLISHED IN 2022

1. OECD – EARTO Joint Study - The contribution of RTOs to socio-economic recovery, resilience and transitions
2. EARTO – IDEA Review of Impact Assessment Studies of RTOs

## 2022 KEY ISSUES

- Organising EARTO data collection and benchmarking studies
- Demonstrating the impact of RTOs by sharing recent studies
- Work towards official OECD and EUROSTAT data on RTOs (flagging in national statistics)
- Launch of a new joint project with the OECD
- Continue collaboration with OECD on other common topics: co-creation, knowledge transfer and RD&I Intermediary organisations, technology infrastructures, etc.

## Cooperation with EC DGs & other Stakeholders

- DG R&I, DG JRC
- OECD
- EUROSTAT
- National Statistical Institutes

# EARTO Technology Oriented WGs

## WG Healthcare

**Chair & Core Team:** AIT, CEA, CIDETEC, CSEM

### 2022 KEY ISSUES

- Input to Horizon Europe Partnership on Health & Clusters looking at health related topics
- Linking with Medtech SMEs
- Role of Medtech RTOs in Horizon Europe
- Monitor the EU4Health programme

### Cooperation with EC DGs & other Stakeholders

- DG R&I, DG GROW, DG REGIO, DG SANTE, DG CONNECT
- MedTech Europe, EFPIA, COCIR, Vanguard Initiative

## WG Security & Defence Research

**Chair & Core Team:** TNO, INOV, Fraunhofer, VTT

### PAPER PUBLISHED IN 2022

**EARTO WG Security & Defence Statement on the proposed budget cut to the Cluster 3 Work Programmes**

### 2022 KEY ISSUES

- Input to Horizon Europe (security & defence related topics)
- Work Programmes
- European Defence Fund
- RTOs in Secure Societies

### Cooperation with EC DGs & other Stakeholders

- DG DEFIS, DG R&I, DG CONNECT, DG HOME
- EDA, IMG-S, CEN CENELEC, EIB, Seren 4

## WG Space

**Chair & Core Team:** TNO, Fraunhofer, imec, INEGI, TECNALIA,

### 2022 KEY ISSUES

- Mapping of technologies of the EARTO WG Space
- Input to Horizon Europe Partnership & Technology Platform on Space
- Collaboration with ESA: ESA GCC model subcontract, ESA Harmonisation of Technologies

### Cooperation with EC DGs & other Stakeholders

- DG DEFIS, DG GROW, DG R&I
- ESA, ESTEC, EASN, Eurospace, SME4Space

# EARTO Temporary Task Forces

## Running Task Forces in 2022:

### 1. TF on Technology Infrastructures:

- ERA Forum: new EU strategy on Technology Infrastructures
- Joint EC-PFEU-CEA-EARTO Event on Technology Infrastructures
- Various meetings of the TF and EARTO participation in ERA Forum Meetings
- Supported the following publications:
  - JRC - EARTO Report on Technology Infrastructures
  - JRC - EARTO Press Release Recommendation for the Implementation of an EU Strategy on Technology Infrastructures
  - EARTO Case Studies on Technology Infrastructures

2. TF on OECD – EARTO Joint Project: prepared inputs & followed the publication of the EARTO-OECD report on RTOs (now closed), TF reported to WG Impact

3. TF RIN Benchmarking: follows the EARTO-RIN Benchmarking Study 2022-2024 launched with the support of Technopolis

### 4. TF RIN Personnel Exchange:

- Mobility and HR teams connected within RIN members interested
- Created a draft template to facilitate exchange of personnel between members

## Closed Task Forces in 2022:

### 1. TF on Relations with China:

followed the EC's work on that topic (EC Meeting on R&I cooperation with China, Report on Tackling Foreign Interference in R&I, etc.)

2. TF on COVID19: closed end of 2022 after valuable work and fruitful exchanges during the pandemic

Extra effort on HR related issues:  
EARTO Position Paper on Current Hurdles to Mobility of Researchers



# EARTO Membership Categories

Interested in more information? Please contact [EARTO Secretariat](#)

**Our Membership Categories following our statutes:**

## **Category 1 - Full European Members**

- Individual Full European Members
- Association Full European Members

## **Category 2 – International Members (Corresponding)**

## **Category 3 – Associated Members**

For more details on those categories, please see our [website](#)



# EARTO Services to its Members

- **Central point of contact:** EARTO Secretariat based in Brussels
- **Targeted information** on the development of future EU Research & Innovation funding programmes and procedures
- **A platform for discussion** and exchange of best practices for RTO
- **A strong network** with the relevant European Institutions and stakeholders
- **Support and/or initiate common positions** on key EU dossiers
- **Additional public exposure** of its members



## Contact details

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LinkedIn [EU Framework Programmes – News and Views](#)

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