



European Association  
of Research and Technology Organisations

# 2017 INFLUENCING THE FUTURE OF EU R&I POLICIES

[www.earto.eu](http://www.earto.eu)





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This year the Brexit has brought European leaders to think further on Europe's future. Few scenarios have been drawn. Discussions are now on what Europe's priorities should be and where its next investments should be made. In this context, EARTO has worked hard to promote the understanding that RD&I investments will be key to Europe's future industrial competitiveness & growth.

Thanks to its partnerships with 22 key industrial European associations in Europe, EARTO and European industry have voiced the need to be supported at EU level for their investments in RD&I, pointing RD&I as one key European asset in need of strengthening in the future European budget. We are now looking forward to 2018 where key decisions will be taken on Europe's future and budget. EARTO will continue to promote the need to have strong European ambitions with regards to RD&I.

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**Frank Treppe**, EARTO President, Director International Affairs and Research Programs, Fraunhofer-Gesellschaft



With a pivotal year ahead of us, EARTO will continue to defend the interest of RTOs making sure their voice is heard at EU level. The uncertainties around the next EU budget brings concern for the future R&I Framework Programme FP9. Member States have now to decide collectively what type of investments they are ready to make at EU level on RD&I and how much they prioritise those over others such as immigration, defence, etc. EARTO has not shied away from the discussion on impact of RD&I investments. EARTO has supported the European Commission in its various thinking towards new RD&I policy instruments to bring further industrial competitiveness: the future of Key Enabling Technologies and the European Innovation Council. EARTO and its members are committed to showcase the importance of investing in applied research which brings real added-value to the EU economy.

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**Antti Vasara**, EARTO Vice-President, Chief Executive Officer, VTT



As last years, EARTO has succeeded in fulfilling its priorities and our membership keeps growing which shows the attractiveness of our network. Thanks to the members involvement in our different Working Groups, common positions have been defined in the preparation of the post-2020 programming period and received general good feedback from EU Institutions and stakeholders. EARTO members sit in many EU advisory bodies shaping the future of R&I policies such as the Open Science Policy Platform, HLG of the KETs, etc. We are therefore confident in the future of our network and will keep working for its success.

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**Ernst Kristiansen**, EARTO Treasurer, Vice-President Research, SINTEF



# EARTO TIMELINE

**2000**  
Creation

**2001**  
Association recognised by EU Commissioner Busquin

**2004**  
4 EARTO members in EURAB, implementation of new EU measures supporting SMEs R&I activities

**2005**  
EURAB's report on RTOs and ERA  
EARTO joins EU Commissioner Potočník's Sounding Board

**2006**  
Launch of Responsible Partnering guidelines with EIRMA, EUA, and Proton Europe

**2007**  
EARTO chairs EC's SME Advisory Group for FP7  
The DESCAs Group, supported by EARTO, publishes FP7 model consortium agreement.  
EARTO in ERAB

**2008**  
EARTO AERTOs ERA-NET aiming to exploring joint programming between RTOs

**2009**  
Launch of EARTO Innovation Prize. Prize delivered over the years by EIT Chairman, EU Commissioners and EC Chief Scientific Adviser

**2009-2011**  
EARTO addresses European Parliament 5 times on the simplification of FP7, FP6 ex-post audits and EU's Financial Regulation

**2010**  
EARTO in EC 1<sup>st</sup> High-Level Group on KETs  
EARTO launches yearly brochure "Impact Delivered: Technology for a Better World" highlighting key contribution of RTOs to innovation  
EARTO in EC's Expert Panel for FP7's Midterm Review: adoption of FP7 simplification measures defended by EARTO

**2010-2013**  
EARTO's 3-year campaign for an adequate H2020 & EU Financial Regulation implementation: 15 position papers, over 30 meetings with the EC, 5 speeches at European Parliament hearings and 2 commissioned studies on the impact of RTOs and the importance of applied research

**2012**  
Member in ERA SHO Platform  
EARTO in ERIAB  
Launch of LinkedIn group on H2020 – now over 12,300 members – and Twitter account – now over 4,900 followers

**2013**  
Creation of the Large Research Infrastructure Scheme (LRI) in H2020, especially designed for RTOs  
EARTO members in 2<sup>nd</sup> EC High-Level Expert Group on KETs  
InfoDay on H2020 with EIRMA

## 2014

EARTO active on State Aid Rules Revision

EARTO ERRIN paper on Synergies ESIF/H2020

1<sup>st</sup> feedback paper on H2020 1<sup>st</sup> calls with IGLO

EARTO Recommendations for Future EU Innovation Policy

1<sup>st</sup> Letter to EC President Juncker against cuts to H2020 in EFSI

## 2016

EARTO President hands over EIC paper to Commissioner Moedas

EARTO addresses EP on H2020 Midterm Review, EIC and EU auditing policy

EARTO contributes to various EU discussions on ESIF Simplification and post-2020 programming period

Launch of two new technology oriented Working Groups: MedTechs and European Data Space

## 2015

EARTO, CESAER, EUA, LERU and Science Europe Joint Statement on EFSI

EARTO CEOs meet EU Commissioners Moedas & Crețu

Launch of EARTO 1<sup>st</sup> Innovation School, with two editions in 2015

Signature of MoU with JRC

Launch of EIB InnovFin Advisory Services on RTOs and joint WG with EIB

## 2017

9 active Working Groups

EARTO joins forces with 22 Industry associations for an ambitious FP9

EARTO contributes to EU discussions on the R&I and Cohesion Policy post-2020 programming period

EARTO in EC 3<sup>rd</sup> High-Level Group on KETs

EARTO strengthens its collaboration with EIB, EIT, JRC and OECD

EARTO presents its views to the EC HLG on maximising impact of EU R&I Programme, and HLG Chair Pascal Lamy speaks at EARTO Policy Event 2017

EARTO speaker at key EU events on EU RD&I funds: EC DG R&I HLG H2020 Midterm Review & Simplification events, EESC H2020 Midterm Review panel, EC DG REGIO HLG ESIF Simplification, EC DG GROW Industry Day, European Parliament ITRE & BUDG Committees events



**15**  
POSITION PAPERS  
5 EARTO PAPERS ON FP9



**7**  
PRESS RELEASES



**3**  
EARTO INNOVATION SCHOOLS

## COMMUNICATION EFFORTS IN FIGURES



EARTO MENTIONED IN  
**50** EU PRESS ARTICLES,  
PUBLISHED  
**47** ARTICLES ON KEY DOSSIERS  
AND A TOTAL OF  
**117** ARTICLES ON WEBSITE



TWITTER & LINKEDIN ACCOUNTS  
WON MORE THAN  
**600** FOLLOWERS  
AND  
**800** MEMBERS



EARTO ATTENDED  
**102** EVENTS  
AND SPOKE IN  
**54**



EARTO IN  
**4** HIGH-LEVEL GROUPS  
ON RIS3, ESIF, OPEN SCIENCE  
POLICY PLATFORM & KETS

## NETWORK IN FIGURES



**9** ACTIVE WGs  
**80%**  
OF MEMBERS ACTIVELY  
INVOLVED IN OUR WGs



**23**  
EU COUNTRIES ACTIVE  
IN OUR WGs



EARTO WGs WELCOMED  
**27** SPEAKERS  
FROM  
EU INSTITUTIONS



BOARD & STEERING COMMITTEE  
COMBINED HAVE MET  
**7** TIMES  
(2 BOARD + 5 STCO)



# EARTO ACTIVITIES

## EU Influence

- › Work with EU Institutions on H2020 midterm review, FP9, Industry participation, R&I Legal & Financial Framework, Security & Defence Research, etc.
- › Meetings with R&I Commissioner Moedas, EC Vice-President Katainen Cabinet, Regional Policy Commissioner Crețu Cabinet, Budget Commissioner Oettinger Cabinet, Industrial Policy Commissioner Bieńkowska Cabinet, Trade Commissioner Cecilia Malmström Cabinet.
- › Collaboration with the OECD: statistics on RTOs, innovation and industrial dynamics, spin-offs, technology infrastructures.
- › Collaboration with the EIB on the access to finance for RTOs.
- › Collaboration with the JRC on the internationalisation of RTOs.
- › Work with ECA, EP and EC auditors on EU Financial Regulation & improving EU auditing approach.

## Promoting RTOs and their reputation

- › 3 EARTO Innovation Schools on RTOs' deep-tech start-ups, the internationalisation of RTOs and EIB Report on the Access to Finance for RTOs.
- › Raised RTOs' profile highlighting members' success stories at our Innovation Awards, with its brochure and press releases.
- › Public profiling speaking at 54 events in the EU and beyond by EARTO secretariat or EARTO experts.

## Networking with other stakeholders

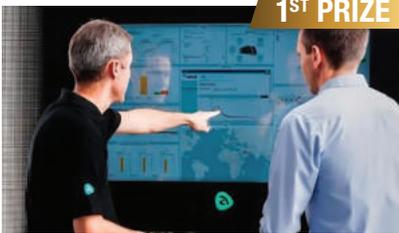
- › Annual Conference: 250 participants, hosted by Fraunhofer.
- › Policy Event and Innovation Awards ceremony: 250 participants. 6 winners in 2 categories. Winners: Fraunhofer and TecNALIA.
- › EARTO session at European Week of Regions and Cities on RTOs' active role in innovation hubs.
- › Collaboration with 22 EU Industry associations for an ambitious FP9.
- › EARTO attended & reported on 102 EU related events.



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# INNOVATION AWARDS 2017

## IMPACT DELIVERED



1<sup>ST</sup> PRIZE

Making sense of Big Data to plan predictive maintenance strategies



2<sup>ND</sup> PRIZE

Monitor your cows' health and location from your app!



3<sup>RD</sup> PRIZE

An innovative solution to make delicious cakes with no added sugar



## IMPACT EXPECTED



1<sup>ST</sup> PRIZE

Using compressed CO<sub>2</sub> to tan leather without waste water



2<sup>ND</sup> PRIZE

A complete solution to manage air traffic in the drone age



3<sup>RD</sup> PRIZE

Making industrially viable bio-chemicals out of wood & waste



## MEMBERS IN H2020 IN FIGURES (eCorda data September 2017)



EARTO MEMBERS' TOTAL APPROVED PARTICIPATIONS:  
**4,318**



EC CONTRIBUTION RECEIVED BY EARTO MEMBERS:  
**€2.3 bn**  
AND PROJECTS WITH EARTO MEMBERS RECEIVED:  
**€12.5 bn**  
EC FUNDING (OUT OF €28.9 bn)



COORDINATION BY EARTO MEMBERS:  
**821 EU H2020 PROJECTS**



**62%**  
OF THE FUNDING SPENT SO FAR IN PILLAR II – INDUSTRIAL LEADERSHIP HAS BEEN GIVEN TO PROJECTS WITH EARTO MEMBERS (51% FOR PILLAR III – SOCIETAL CHALLENGES)



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# WORKING GROUPS IN 2017

To define common positions and exchange best practices, EARTO has fixed and temporary Working Groups. Throughout 2017, 6 fixed Policy and Framework Setting WGs and 3 Technology Oriented WGs were running.

## POLICY WORKING GROUPS

### Horizon 2020

- 50** ACTIVE EXPERTS
- 3** MEETINGS IN 2017
- 15** EU INSTITUTIONS' SPEAKERS IN WG MEETINGS
- 1** INNOVATION SCHOOL ON THE INTERNATIONALISATION OF RTOs
- 1** WORKSHOP WITH R&I COMMISSIONER MOEDAS CABINET ON cPPPs & JTIs
  - Regular meetings with high level EC representatives
  - EARTO speaker at many relevant H2020-related events
- 5** POSITION PAPERS
  - EARTO Contribution to EC Consultation on Joint Undertakings
  - EARTO's Views on EU Competitiveness Council conclusions
  - Joint Declaration with Industry & EARTO Press Release for An Ambitious FP9 Strengthening Europe's Industrial Leadership
  - JRC Policy Brief & EARTO Press Release – The Internationalisation of RTOs
  - EARTO Press Release – R&I Recognised as Key Factor for EU's Future

### Cooperation with EC DGs & other Stakeholders

DG R&I, DG CONNECT, DG GROW, DG JRC, EIT, IGLO, OECD, EP Business Europe and more than 20 other Industry associations

#### KEY ISSUES FOR 2018

- Simplification H2020
- H2020 midterm review
- Preparation for FP9
- MFF & budget
- Mission-oriented approach
- Innovation Hubs

### Structural Funds

- 20** ACTIVE EXPERTS
- 1** EARTO EWRC SESSION "COHESION POLICY POST-2020: INTER-REGIONAL COLLABORATION OF INNOVATION HUBS"
- 2** MEETINGS WITH HLG ESIF SIMPLIFICATION TO PROVIDE INPUT
  - 1 Meeting of WG Core Team with DG REGIO Director
  - Meetings with R&I Policy Commissioner Cabinet
- 2** POSITION PAPERS
  - EARTO Press Release – Boosting Innovation-Led Growth in EU Regions – EARTO Welcomes EC Communication on Smart Specialisation Strategies
  - EARTO Press Release – Kallas Report, First Steps Towards a New Approach to Cohesion Policy

### Cooperation with EC DGs & other Stakeholders

DG R&I, DG REGIO, DG JRC, DG CONNECT, ERRIN, Vanguard Initiative, Committee of the Regions, EP

#### KEY ISSUES FOR 2018

- Synergies ESIF-H2020
- ESIF simplification
- RIS3 implementation
- Post-2020 ESIF programming period
- State aid

### Cooperation with EIB on access to Finance for RTOs

- 14** ACTIVE EXPERTS
- 1** INNOVATION SCHOOL ON EIB REPORT ON THE ACCESS TO FINANCE FOR RTOs
- 2** POSITION PAPERS
  - EIB Report – Access to Finance for Research and Technology Organisations and their Academic and Industrial Partners
  - EARTO Press Release – Europe Prepares the Ground for RTOs to Get More and Better Access to Finances

### Cooperation with EC DGs & other Stakeholders

EIB, EIF, DG R&I, OECD

#### KEY ISSUES FOR 2018

*Due to the completion of the joint work with EIB, the EARTO Steering Committee decided to close this Working Group. Relations with the EIB will be kept by the Secretariat and the WG mailing list kept for update and exchange of information.*

### European Innovation Council

- 20** ACTIVE EXPERTS
- 1** INNOVATION SCHOOL ON RTOS' DEEP TECH START-UP
- 1** WORKSHOP WITH R&I COMMISSIONER MOEDAS CABINET ON RTOS' SPIN-OFFS
  - Meetings with high level EC representatives
- 1** POSITION PAPER
  - How to Exploit the Untapped Potential of RTOs' Deep-Tech Start-ups in Europe

### Cooperation with EC DGs & other Stakeholders

DG R&I, DG CONNECT, DG GROW, DG JRC, EP, OECD

#### KEY ISSUES FOR 2018

*In 2018, this working group will be merged with EARTO WG H2020. The new working group will be renamed "WG EU Framework Programmes".*

## FRAMEWORK SETTING WORKING GROUPS

### Financial Experts

- 30 ACTIVE EXPERTS
- 3 MEETINGS IN 2017
- 4 EU INSTITUTIONS' SPEAKERS IN WG MEETINGS
- 5 MEETINGS OF WG CORE TEAM WITH DG R&I, DG BUDG AND ECA
  - EARTO speaker at workshop on FP Simplification
  - Participation in EC session for testing the H2020 personnel cost wizard
- 2 POSITION PAPERS
  - EARTO Inputs – Towards Lump-Sums within FP9
  - EARTO Questions on Possible Output-based financing

#### Cooperation with EC DGs & other Stakeholders

DG R&I, DG BUDG, ECA, EP (ITRE, BUDG, CONT)

#### KEY ISSUES FOR 2017

- Adoption of EU Financial Regulation
- Financial rules of Horizon 2020 (LRI scheme, costs calculation)
- Model Grant Agreement
- EU Auditing Policy: simplification, cross-reliance, national accounting practices
- Input to FP Simplification
- ECA Audit on H2020 Simplification
- Follow-up H2020 Lump Sums' pilot
- Cascade funding
- Preparation inputs for FP9 financial rules and cost model

### Legal Experts

- 10 ACTIVE EXPERTS
- 3 MEETINGS IN 2017
- 14 MEETINGS OF WG CORE TEAM WITH SEVERAL EC DGs
- 6 POSITION PAPERS
  - EARTO Position Paper on the European Licencing Framework for Standard Essential Patents
  - EARTO Background Note: The US Open Science Data Cloud
  - EARTO Background Note: Shift of US Federal Competition Policy towards Standard Setting Organisations (SSOs)
  - EARTO Voting recommendations for Globally Competitive Standardisation in the Digital Single Market
  - EARTO Answer to EC Consultation on Public Procurement of R&I
  - EARTO Views on EC Communication on Standard Essential Patents

#### Cooperation with EC DGs & other Stakeholders

DG R&I, DG CONNECT, DG GROW, DG COMP, DG TRADE, EP, Digital Europe/Nokia, CEN CENELEC

#### KEY ISSUES FOR 2017

- Implementation of EU State-aid rules
- Standard Essential Patents, Intellectual Property Rights issues, Standardisation
- Follow-up EU Open Science policy, Open Data, Open Science Cloud, Data Management Plan, government data
- Follow-up Open Science Policy Platform
- Follow up on EC Public Procurement directive
- Repayable Advances

## TECHNOLOGY ORIENTED WORKING GROUPS

### Security Research

- 20 ACTIVE EXPERTS
- 6 MEETINGS IN 2017
- 6 EU INSTITUTIONS AND ASSOCIATIONS SPEAKERS IN WG MEETINGS
  - Organisation of SMIG
  - Development of joint proposals
  - Collaboration established with EDA
  - WG scope widened to Defence topics
- 2 POSITION PAPERS
  - IMG-S EARTO Joint Position Paper on Resilience in Security Research
  - EARTO WG Security & Defence Research on Designing the PADR and the ERDP

#### Cooperation with EC DGs & other Stakeholders

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

#### KEY ISSUES FOR 2018

- Ensuring RTOs' access to H2020 Security Work Programme
- Designing PADR and ERDP
- Joint project proposals when possible
- Following Group of Personalities

### Emerging Technologies for Healthcare

- 23 ACTIVE EXPERTS
- 3 MEETINGS IN 2017
- 4 EU INSTITUTIONS AND ASSOCIATIONS SPEAKERS IN WG MEETINGS
  - Development of ESTHER Platform

#### Cooperation with EC DGs & other Stakeholders

ESTHER, DG REGIO, DG SANTE, DG CONNECT, DG R&I

#### KEY ISSUES FOR 2017

- Linking with SMEs
- Developing ESTHER platform
- Influencing health Work Programme

### European Data Space

- 15 ACTIVE EXPERTS
- 5 MEETINGS IN 2017
  - Development of joint proposals

#### Cooperation with EC DGs & other Stakeholders

DG CONNECT, Industrial Data Space Association

#### KEY ISSUES FOR 2017

- Building a European data space
- Role of European Data Space as a Mission



EARTO

# MEMBERSHIP & SERVICES TO ITS MEMBERS



EARTO WELCOMED **6** NEW MEMBERS IN 2017  
CERGOL (IT), CIDETEC (ES), IK4 Alliance (ES), IPC (FR), IRT M2P (FR) and TPF (Poland)

## Our Membership Categories are

- **Individual Members:** organisations established in EU or “Associated Country” in the meaning of the EU Framework Programme for Research and Technological Development and which as their predominant activity provide research and development, technology and innovation services and which are managerially independent. EARTO services accessible: all the services of the secretariat without restriction.
- **Association Members:** not-for-profit national/regional/sectoral RTOs associations established in the European Union or European Economic Area or in an “Associated Country” in the meaning of the EU Framework Programme for Research and Technological Development and whose members are predominantly organisations which meet the conditions for individual membership and whose membership is broadly representative of the industrial research and development, technology and innovation sector in the territory, sector or other sphere of activity of the said association. EARTO services accessible: Only the “secretariat” of the association stricto sensu shall enjoy the rights of EARTO membership (i.e. Association cannot send its members to participate to EARTO WGs).
- **Corresponding Members:** industrial research and technology organisations which are established in countries which have a co-operation agreement with the European Union concerning science and technology and which otherwise meet the conditions of individual membership. EARTO services accessible: Newsletter service, participate to EARTO general events, can join one Working Group, do not have voting rights.
- **Honorary Members:** individuals or organisations which do not qualify for membership of the Association and which by their activities, by financial contributions or by other means make a significant contribution to the fulfillment of the purpose of the Association. EARTO services accessible: Newsletter service, participate to EARTO general events, can join one Working Group, do not have voting rights.

## Our Yearly Events

To foster networking between members and exchanges with external partners, EARTO organises a number of internal meetings (Executive Board, Steering Committee, Working Groups) and public events. Yearly public events include:

- One **Annual Conference** with some 250 participants, co-hosted by one EARTO member in its own country, rotating every year. In 2017, German EARTO member Fraunhofer kindly hosted the event in Munich.
- One **Policy Event** in Brussels discussing EU R&I Policy with some 250 participants, followed by the **Innovation Awards Ceremony** in the evening, where EARTO members compete for the prize for best innovation of the year (two categories: Impact Delivered & Impact Expected).
- **Innovation Schools:** EARTO launched in 2015 a new set of events, the Innovation Schools, specially dedicated to EU policy-makers from EC, EP and Member States. Past sessions have been organised on Internationalisation of RTOs, RTOs’ Deep Tech Start-Up and EIB Report on the Access to Finance for RTOs.

## Our Daily EU Policy & Press Monitoring

- EARTO Newsletters, which includes outcome of Working Groups’ meetings, policy developments and reporting of events.
- EARTO website’s news section updated regularly with information from the monitoring of over 50 websites of EU Institutions and key press.
- Twitter (4,900 followers) & EARTO LinkedIn Group on Horizon 2020 (12,300 members).
- EARTO Members’ Area containing all EARTO newsletters, WGs documents and non-public policy documents gathered as a result of networking efforts.

## Our Meeting Room & Flexible Working Space

Our meeting room is available to members for meetings of up to 12 participants under a small compensation (€250/day, Lunch arrangements extra). Members needing a larger meeting room in Brussels are welcome to contact the EARTO Secretariat for assistance. In addition, EARTO has an extra one-person working space for its members to use whenever in Brussels.

### EARTO Secretariat

Muriel Attané, Secretary-General

attane@earto.eu

Kadija Taffah, Deputy Secretary-General

taffah@earto.eu

Erwan Kermadec, Policy Officer

kermadec@earto.eu

Sophie Viscido, Policy Officer

viscido@earto.eu

Morgane Gilbert, Administrative & Communication Assistant

secretariat@earto.eu

## **EARTO** **VISION**

A European research and innovation system without borders in which RTOs occupy nodal positions and possess the necessary resources and independence to make a major contribution to a competitive European economy and high quality of life through beneficial cooperation with all stakeholders.

## **EARTO** **MISSION**

To promote and defend the interests of RTOs in Europe by reinforcing their profile and position as key players in the minds of EU decision-makers and by seeking to ensure that European RD&I programmes are best attuned to their interests; to provide added-value services to members to help them to improve their operational practices and business performance; to provide members with information and advice to help them make the best use of European RD&I programmes funding opportunities.



European Association  
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Rue Joseph II, 36-38

B-1000 Brussels

Tel: +32 2 502 86 98

Email: [secretariat@earto.eu](mailto:secretariat@earto.eu)

Website: [www.earto.eu](http://www.earto.eu)

Twitter: @EARTOBrussels

LinkedIn Group: "Horizon 2020" – News and Views