

Antti Vasara

President, EARTO





RTOs Solve Real-World Problems



Smart Cranes for smart industry



Innovative treatment for muscle rehabilitation



Low-allergic surgical gloves



Eco-friendly and fire-proof rubber





Test environment for road safety



Fast-charging electric bus system



Cheaper & more efficient LED lamps



Innovative treatment for lung and skin infections



EARTO Motto: Impact Delivered! EARTO Vision: Technology for a Better World





















Jožef Stefan Institute

































What is today the most important issue for Horizon Europe?





Joint Declaration RTOs-Industry for an Ambitious Horizon Europe

- €120 billion budget
- 60% of Horizon Europe's budget to pillar II





EARTO POLICY EVENT 2019

EARTO Recommendations

- 1. Scale-up Horizon Europe's overall budget to at least €120bn
- 2. Reinforce Europe's excellent multi-disciplinary, collaborative and applied RD&I by strengthening the budget share of Horizon Europe Pillar II to 60%
- 3. Support the continuity of public-private partnerships
- 4. Create a European strategy on technology infrastructures
- 5. Ensure RTOs' participation in the governance of European Missions
- 6. Implement the EIC instrument to support the creation and scale-up of European deep-tech start-ups
- 7. Continue the efforts undertaken to foster the synergy of funds
- 8. Preserve continuity in the Framework Programme's rules for participation
 - > Over 30 EARTO position papers on Horizon Europe since 2016



EARTO Answer to EC Consultation Horizon Europe Programme Strategic Planning

The crucial role of Beasarch, Development, and Enrovation (IDEAI) activities to support and boost industrial sealarchies is too act to heart of the Curpous hobitative failing with the utimate goals to blends society, and continues to the control of the control

To achieve such goals, Europe's technological capabilities will be the decisive strategic factor: investing it RD&I makes the difference. Accordingly, EARTO and its members already put forward a key set or recommendation; to support the elaboration of what needs to be recognised as one of the key Europea solicities of the future: the Horizon Europe Programme.

EARTO <u>veiconed</u> the European Parliament and the Council provisional agreement on the Horizon Europ legislative package. Based on this agreement, EARTO very much appreciates the timing of the Europea Commission's proposal for a Strategic Plan putting forward the investments' priorities in RD&I for the fir four years of Horizon Europe.

To support and strengthen the EC proposal on investments' priorities in RD&I, EARTO calls on the Eurog Parliament and the Council to:

- Scale-up Horizon Europe's overall budget to at least C1208n. EARTO has repeatedly called for an increase budget for R081 in Europe: a C1208n budget is the minimum needed to ensure continuity build on the successes of Horizon 2020 and scale up previous investments, while at the same time covering new activities such as a mission-oriented approach, the funding of the new key Enabling Technologies and the creation of new public-private partnerships in crucial sectors.
- Reinforce Europe's excellent multi-disciplinary, collaborative and applied RD&L by strengthening the budget share of Horizon Europe Pillar II to 60% of the total Horizon Europe budget, thereby promoting European Industries' competitiveness and settling it as in the strength of the Europe on excellence and cross-border multi-disciplinary collaboration across a wavely of RD&L across EARTO, with the support of its industrial partners, has repeatedly called for more emphasis to be given to Pillar II (Europe European Eu
- Support the continuity of public-private partnerships, as efficient instruments for excellent industry-ied collaborative research in Europe and attempties and secure the relief Key Fashling Technologies (CRTS) under Piller II. SATO wilcome the continuity offered by the continuity of the continuity of the collaborative relief in the continuity of the collaborative relief in the continuity of the collaborative relief in the continuity of the
- Create a European Strategy on Technology Infrastructures. EARTO very much welcomes the
 European Commission Staff Working Document on Technology Infrastructures and is looking forward
 to further developing the European Strategy towards those technology infrastructures with the EU
 Institutions. This would enable to support technology scale-up and uptake by companies across
 Europe, developing their innovation capacity and business transformation.



EARTO Answer to the EC Consultation on Horizon Europe Implementation Aspects

23 September 201

EARTO is fully committed to further support the elaboration and implementation of what needs to be recognised as one of the key European policies of the future: the frotton Europe Programme. Action involved in the occreation process, SMRTO has already put forward as just of recommendations to serve as input to frotton Europe's Strategic Planning, EARTO members very much appreciate the efforts of the EL Institutions to preserve continuity in the Transevork Programme's rules for participation, while further the programme is the programme of the programme in the programme is the programme of the programme in the programme is the programme of the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme in the programme is the programme in the programme in the programme in the programme is the programme in the programme in the programme in the programme in the programme in

As input to the European Commission's consultation on Horizon Europe Implementation Strategy, EARTI hereby presents its views on the topics covered. EARTO members especially calls on the Europea

- Preserve continuity with the Horizon 2020 approach based on hourly rates for 1 reimbursement of personnel costs. Sasing the calculation of personnel costs on daily rates would a major change that would not reflect the reality of many beneficiaries: it would not bring simplification intereded, leading to increased workloads (gen 3,2).
- Enable the allocation of direct technical costs to projects using unit costs via allocation key based on the usual cost accounting practices of the beneficiary. This would enable to better refle the real costs of the beneficiaries, in particular for the use of technology infrastructures (see 3.2).
- Improve measures for ex-ante assurance by relying on System & Process Audits performational qualified auditors. This would enable to lower the ex-post audit burden and improcretainty, especially for the use of Usual Costs Accounting Practices (see 6.3).
- Evaluate and analyse the financial and operational impact of the lump-sum approach Horizon 2020 projects prior to any extension of such approach. EARTO members' returns experience on the H2020 lump-sum plots are not conclusive so far: many issues have been encounted.
- Foster a balanced approach between Open Science and Intellectual Property (IP)'s policies
 IP's crucial role in innovation and in fostering knowledge co-creation needs to be further recognised. The
 policy focus should be on the optimum use of research data, following the principle "as open as possible
 as closed as necessary" (see 5.5).

Detailed EARTO recommendations in this paper follow the topics covered in the European Commission

- 1. Work Programme
- Submission and Evaluatio
 Model Grant Agreement
- Model Grant Agreement
 Dissemination and Exploitation
- Control Strategy
- Digital Transformation
 European Partnerships
 - ral Input

EARTO and its experts remain of course ready to further discuss these recommendations with the European Institutions' representatives.



Director-General,
DG Research & Innovation,
European Commission





Deputy Director-General, DG CONNECT, European Commission





Digital Technology sovereignty

Rebuilding the EU digital supply chain Role of RTOs

Khalil Rouhana
Deputy Director-General, DG CONNECT
European Commission

Digitisation and Climate: The two key policy priorities

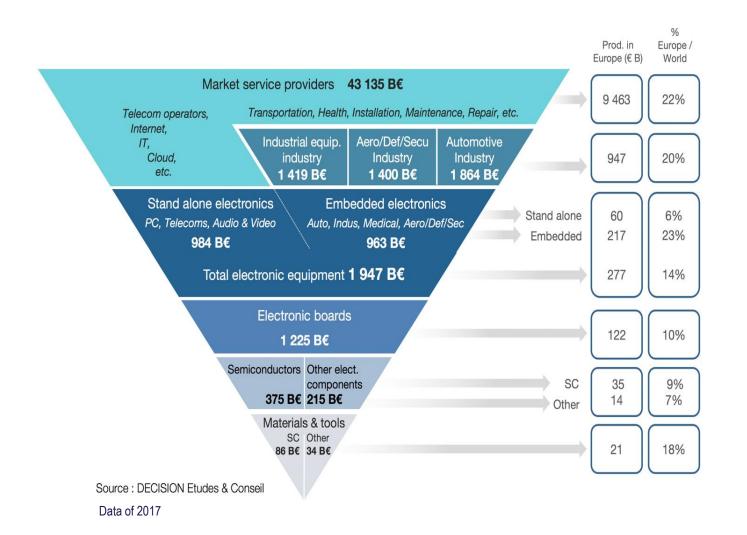
 President-elect Ursula von der Leyen political priorities

"ensure that Europe fully grasps the potential of the digital age and strengthens its industry and innovation capacity"

as a key part of strengthening Europe's technological leadership and sovereignty.

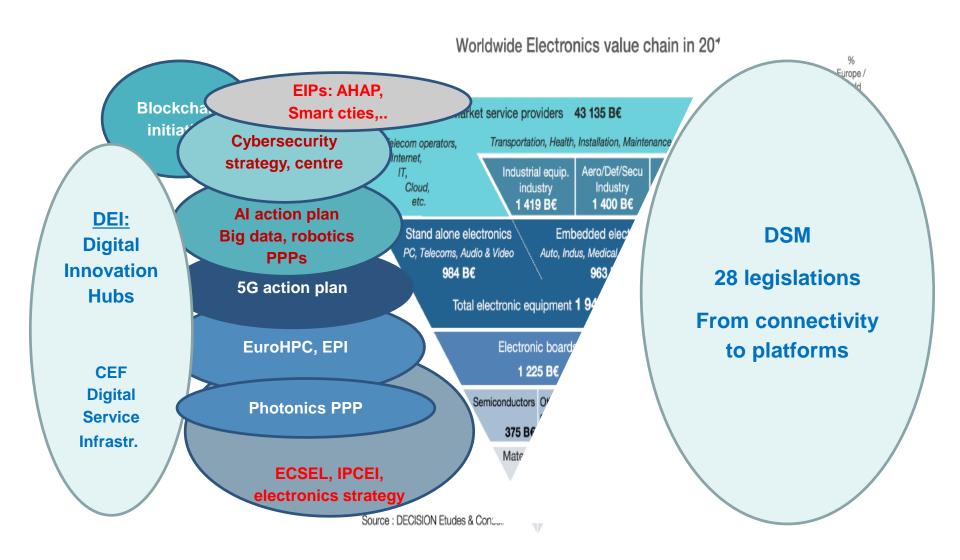


The digital supply chain: Where does EU stand?



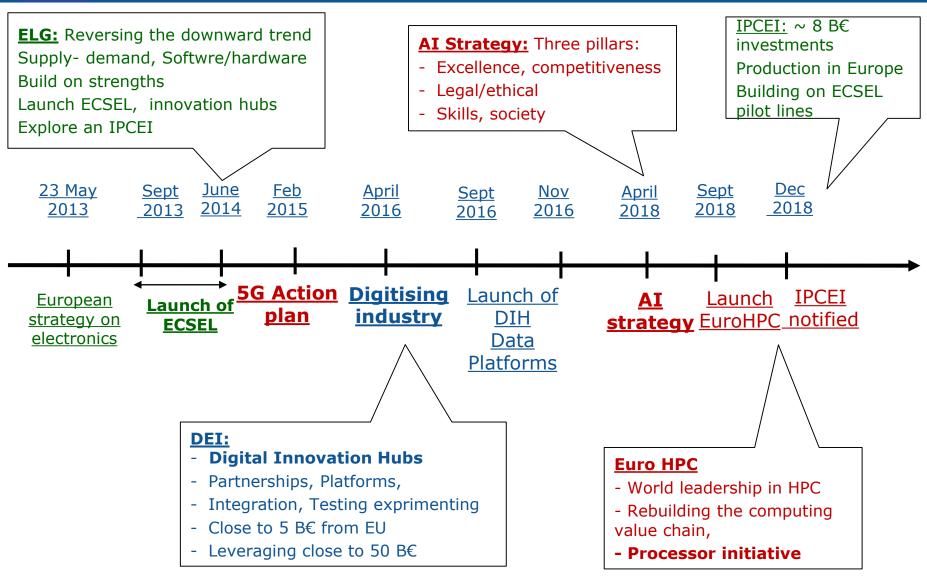


EU approach: A digital single market, world class infrastructure, robust partnerships



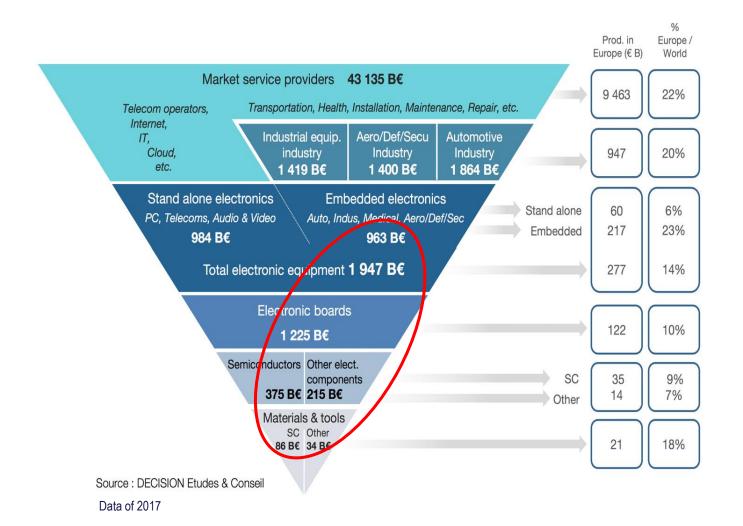


Some major milestones: Industrial/Technology strategy





ECSEL: Example of a unique endeavour

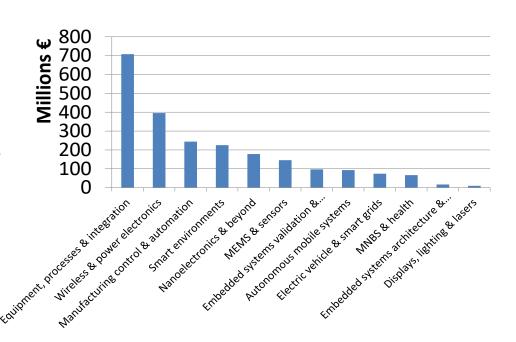




ECSEL: Aligning our strategies, more than 5 B€ investment

- Tripartite PPP Commission, Member States and industry
- Strategic mission to boost the maturing and uptake of highly innovative technologies for electronic components and systems
- From components to smart systems to CPS
- High leverage effect on EU contribution
- In first three years
 - 39 projects funded for 2.25 B€ of total costs and 540 M€ EU contribution

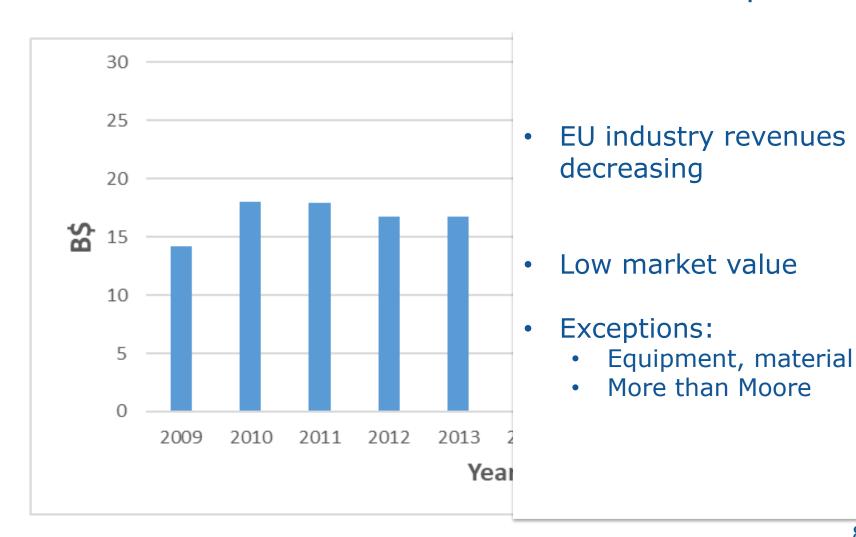
Total costs of ECSEL projects 2014-2016





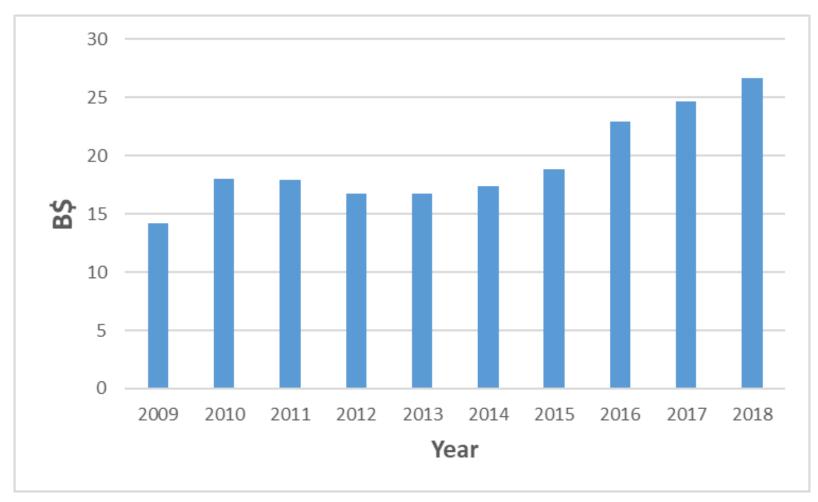
EU industry downward trend

Revenues of main EU semiconductor companies





Revenues of main EU semiconductor companies





EuroHPC Joint Undertaking

A legal and funding agency created by the Council

- 28 Participating States + EU
- Site: Luxembourg
- Budget (2019-2020): ~1 Billion Euros (half from EU)
- Operational: 11/2018 to 2026

Mission: Establish an integrated world-class supercomputing & data infrastructure and support a highly competitive and innovative HPC and Big Data ecosystem



https://eurohpc-ju.europa.eu/



The JU is already delivering!

The EuroHPC delivers a leading supercomputing infrastructure

High-range Supercomputers



3 sites for supercomputers selected performance: 150-200 million billion operations per second



Investment: 650 million Euros

50% from EU and 50% from Consortium supporting the site

Sites and supporting Consortia

- Kajaani (FI) FI, BE, CZ, DK, NO, PL, SE, CH, EE, NL
- ▶ Barcelona (ES) ES, HR, PT, TR, IE
- ➢ Bologna (IT) − IT, SI

EuroHPC JU is the owner



Medium-to-high range Supercomputers



performance: at least 4 million billion operations per second



Investment: ~100 million Euros (CAPEX)

34 Million from EU

Sites and supporting Consortia

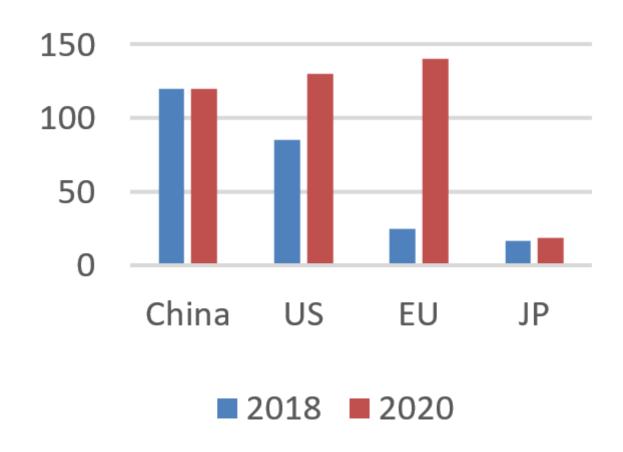
- Bissen (LU) LU
- Minho (PT) PT, ES
- Ostrava (CZ) CZ
- Maribor (SI) SI
- Sofia (BG) BG

All supercomputers accessible to any user in Europe



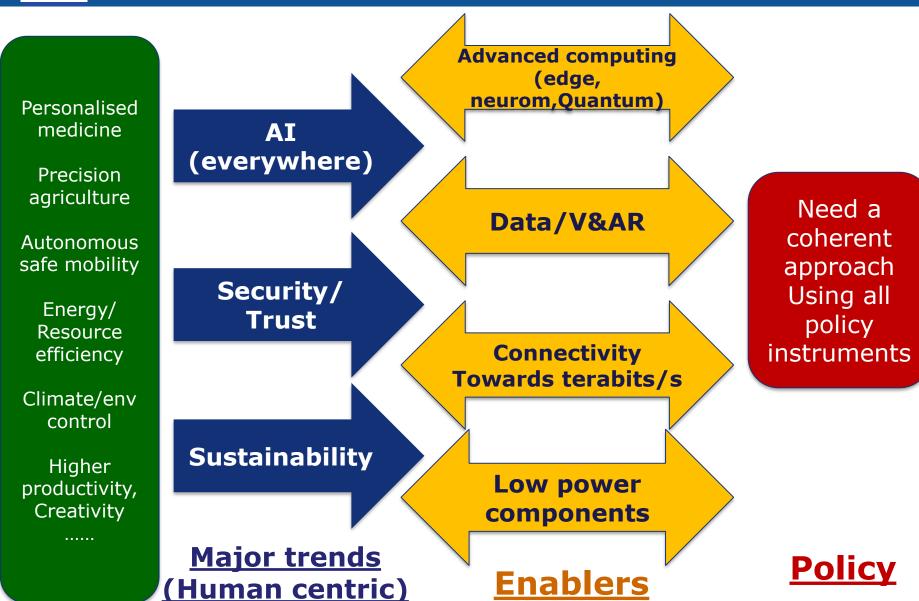


• Top 10 supercomputers, performance in Pflops





The future: Making the digital transformation a success





The future: A coherent approach

- Keep on adapting the regulatory framework
 - Human centric & trustful AI, Safer Internet preserving our values,
 - Data and competition, cybersecurity,...
- Focused investments on High Impact Projects/initiatives
 - Projects/initiatives at scale for leadership in the digital supply chain
 - Cover the whole chain from components to platforms and applications
 - Work in partnership with industry/academia and MSs
 - Public support focused on attracting private investments
 - Scaling up and reinforcing successful initiatives, build on our strengths
 - ECSEL, IPCEI, EuroHPC, 5G,
 - Address the whole innovation chain from basic research up to roll out
- Complemented by bottom up schemes to spread innovation
 - DIHs, Start ups and scale ups (EIC...)

DIGITAL IN THE NEXT MFF: OVERVIEW

Digital Europe: Capacities & roll out

- 1. High Performance Computing
- 2. Artificial Intelligence (AI)
- 3. Cybersecurity
- 4. Advanced digital skills
- Digital transformation and interoperability

€9.2 billion

Connecting Europe Facility - Digital Connectivity

- 5G roll out
- BB 4EU, Connecting communities
- Synergies with Transport
 /Energy

€3 billion

Digital in Horizon Europe R&D&I

- 1. Digital under "global challenges"
 - <u>Digital and industry cluster</u>
 - Digital in other clusters health, mobility, energy, environment,...
- 2. FET Open under EIC
- 3. Research Infra in Open Science

> Current budget (~14 B€)

Creative Europe MEDIA

- Distribution of works
- Creation

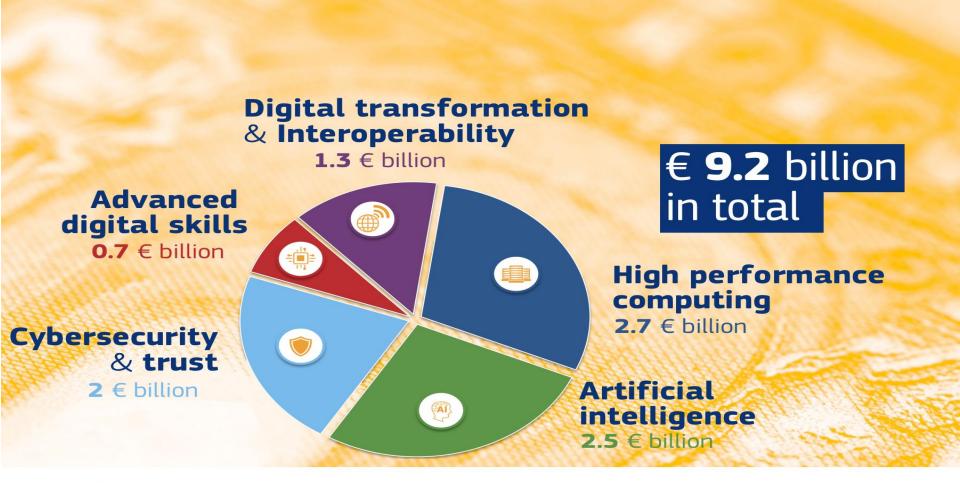
€1.1 billion

Clusters in 'Global Challenges and Industrial Competitiveness

		_
Clusters	Areas of intervention	
Health	* Health throughout the life course * Non-communicable and rare diseases * Tools, technologies and digital solutions for health and care	* Environmental and social health * Infectious diseases * Health care systems
Inclusive (1) Secure (2) Societies	 Democracy, transformations * Creativity * Cultural heritage 	* Disaster-resilient societies * Protection and Security * Cybersecurity
Digital and Industry	* Manufacturing technologies * Advanced materials * Space * Circular industries	* Key digital technologies * AI & Robotics * Advanced computing, BD * Next generation internet
Climate, Energy and Mobility	* Climate science and solutions * Energy systems and grids in energy * Communities and cities * Industrial competitiveness in transport * Smart mobility	 * Energy supply * Buildings and industrial facilities transition * Clean transport and mobility * Energy storage
Food and Natural Resources	* Environmental observation * Agriculture, forestry and rural areas * Food systems * Circular systems	* Biodiversity and natural capital * Sea and oceans * Bio-based innovation systems

Digital Europe programme – what?

Reinforcing digital capacities. Ensuring their best use.









DEP: Three levels of intervention



Co-investing with MS in high-end infrastructures

- In partnership with industry



Reinforcing existing MS capacities, networking and aggregating – making them available across the EU



Ensuring best use of capacities in public sector & industry

Complementarities with other programmes supporting digital

Digital Europe: Capacities & roll outy

Connecting Europe Facility - Digital Connectivity

Digital in Horizon
Europe
R&D&I

Creative Europe MEDIA

European <u>Regional Development</u> Fund / Cohesion Fund

Invest EU
Research, innovation &
digitisation



RTOs: Key players across the board Reinforcing our excellence

- Top participants in the Digital part of H2020
 - In the top 3
- Key players in "excellence" structuring activities
 - Cybersecurity networks of competence centres
 - 65 B€ of investments in 2018-20
 - Bringing together all best centres in the EU, common agenda
 - To be scaled up in next MFF: Cybersecurity centre & networks
 - AI networks of excellence centres: call on going, 50 M€
 - Bringing together all best centres in the EU, common agenda
 - To be scaled up in next MFF: Al in DEP and HE
 - DEI platforms



RTOs: Key players across the board Spreading excellence

- Key players in Digital Innovation Hubs activity
 - 500 M€ of investments
 - to bring latest technologies to all industries,
 - Focus on SMEs
- HPC competence centres
 - HPC to all businesses
- Holders of main Pilot lines in ECSEL
 - Equipment, low power components, More than more
- Large scale pilots in IoT and DEI:
 - Health, energy, agriculture, etc...





RTOs: Key players in digital in next MFF

- A pivotal role in <u>Digital Europe Programme</u>
 - DIH: close to 900 M€ to reinforce the centres capacities
 - AI, Data and advanced computing, Cybersecurity & trust
 - Technologies and applications:
 - climate, agri, manufacturing, health, mobility, etc...
 - Large scale testing facilities
 - Close to 1.2 B€ in AI reference sites,
 - From components to complete systems in real setting
 - Smart cities, homes, hospitals, vehicles, etc...
- in high impact projects: From R&D to deployment
 - HE, DEP, Invest EU, MSs, industry
 - Low power processors, Quantum computing and communication, Cloud federation, HPC, AI platforms, Blockchain, etc..

Conclusions



- by joining effort, we can build the world most powerful digital ecosystem
- we can advance the technology, reinforce our capacities & apply them for the benefits of our citizens and businesses

- Rtos are key players to rebuild/reinforce the EU digital supply chain
- and to prepare for the next generation: Quantum, edge computing, lower power, trustful software, self learning systems, ...
 - Hope we can count on you!

Thank You!



Muriel Attané Secretary General, EARTO





Erik Drop,
Director Knowledge Programmes
and Government Relations,
TNO





From Top Sectors to Missions in NLs

'Mission-driven innovation policy with impact'







Energy transition & sustainability

Agriculture, water & food





Health and care



Mission Approach in the Netherlands

- > 4 main themes
- > Guide the development of 25 concrete missions
- > Inspirational goals with links with societal needs
- > Drafted in close cooperation between 8 Ministries

New Approach with many benefits:

- Ministries have the initiative, in collaboration with RDI stakeholders and civil society
- Collaboration across the entire chain, from fundamental research to market introduction (TRL 1 to 9)
- Enables alignment with European approach

Energy /
Sustainability

Agriculture / Water / Food

Health / Healthcare

Security

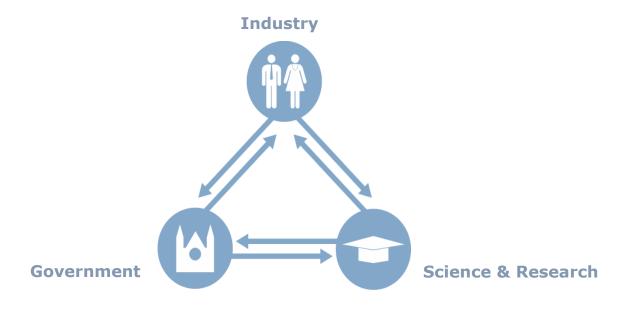
Key enabling technologies



Agenda bringing all actors together

Comprehensive R&I agenda:

improving the links between public and private research



25 Missions: Examples	
Thematics	Objectives
Electricity system	Without CO2 in 2050
Circular economy	Halve the use of raw materials by 2030, achieved by 2050
Agriculture	Climate neutral in 2050 (-95% greenhouse gas emissions)
Sea	A sustainable and safe North Sea
Healthcare	50% delivered at home instead of in an institution by 2050
Security	The Netherlands in top-10 countries in cybersecurity by 2025



Anne Van den Bosch Director Public R&D Policies and Programs, imec

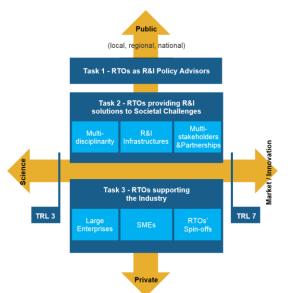




Partnerships: continuity needed!



- Long-term trust-based instruments
- EU added-value: pan-EU collaborative research on key industrial sectors
- Linked to industrial policy and industrial value chains



RTOs highly-involved:

- More than 70% of the EC funding under cPPPs for projects in which EARTO members involved
- ECSEL JTI: positive example of industry-RTOs' collaboration with more than 90% of the EC funding for projects with EARTO members involved



Budget

Pillar 1 **Excellent Science**

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures

Pillar 2

Global Challenges and European Industrial Competitiveness

- Health
- · Culture, Creativity and Inclusive Society
- **Civil Security for Society** Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3

Innovative Europe

European Innovation Council

European innovation ecosystems

European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Pillar II:

- 40+ partnerships
- **Budget cap for PPPs of 49% of pillar II** budget
- **Funding for lower TRL tech-driven RDI**

Call from 90+ industrial & RTOs associations for an ambitious Horizon Europe Programme:

- Minimum of €120bn for Horizon Europe
- Minimum of 60% of Horizon Europe budget for Pillar II





Funding model



ECSEL Model:

- Joint funding with Member States
- Good model to be kept simple: no double application at EU & national level

GBER Exemption for combining funding

- Combination of shared management funds and centrally managed funds
- Stimulate synergies between the various EU funds: improve attractivity to EU-13



EARTO Joint
Contribution to EC
Consultation
Reviewing the GBER

25 Sept 2019



Linking HEU Instruments

Industrial Leadership & Societal Challenges

40+ partnerships



to be linked with 5 Missions

Governance with RTOs



Mathias Rauch, Director Presidential Staff, Fraunhofer-Gesellschaft





Technology Infrastructures: Backbone of Dynamic R&I Ecosystems

- Constructed or simulated user environments
- Sector-specific or technology-focused
- Essential for new technology-based innovative products, services or processes to:
 - 1. reach high-enough maturation level
 - 2. early-stage experimenting, developing upscaling, prototyping, in controllable and safe conditions
 - 3. making new solutions market-ready, demonstrating their value for end-user clients and investors





Technology Infrastructures: Characteristics

Unique front-running position in Europe

- Target: National, EU, international users/industry
- Focus: forward-looking, maturation and development of upcoming new and highly innovative key enabling technologies

Research Fab Microelectronics Germany

- 12 500 m² of cleanroom facilities
- €350M initial public investment
- Pooling of 13 RDI institutes (FHG & Leibniz)



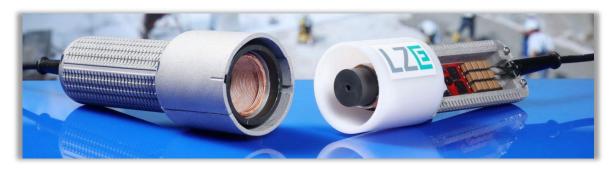






Embedded in the local/regional innovation hubs

- ➤ Target: local users/industry, particularly SMEs
- Focus: transfer and effective uptake of existing commercially available technology by the market developing local industry's innovation capacity and business transformation



- Electronic systems for digital change
- Power Electronics
- Low-Power Electronics







Technology Infrastructures: Role of RTOs

Technology Infrastructures require high level of investment:

- High initial investments (not affordable by individual companies on their own)
- Maintenance and upscaling to ensure long-term sustainability at the forefront of innovation
- Running costs

Open access to RTOs' Technology Infrastructures:

- Lowering both the risk and the cost of innovation for industry
- Platform for collaboration with industrial partners (large & small)
- Access to RTOs' technological expertise and business support to make innovation market-ready
- Technology infrastructures require public investment and management by RTOs





Technology Infrastructures: Towards a European Strategy

- > Ensure that we have the tech infra required to answer technology needs and support European industry: no gaps!
 - Boost public & private investments and ensure a sustainable funding mix
 - Build tech infra with sustainable business models to ensure long-term sustainability
 - Regulatory framework such as State Aid rules should not create counterproductive barriers
- > Increase visibility of tech infra in the policy landscape, reinforce synergies, reduce duplication and overlap
- Ensure pan-European access to tech infra in Europe and connect regional-based tech infra together





Deep-tech start-ups & the European Innovation Council

EARTO

Bertrand Bouchet, Director of EU Affairs, CEA



RTOs' Spin-offs: Delivering Impact!



18,800 jobs national & regional



387 spin-offs

created by 7 RTOs and still active in 2016, generated:



€2.4 billion



€ 1.1 billion value added



t U.5 DIIIION fiscal and parafiscal return to governments

A SURVIVAL RATE OF

97% after 1 year (compared to EU average of 87%) 83 % after 5 years (compared to EU average of less than 50%)





CEA spin-off ARYBALLE

NeOse technology: a Digital nose for success



NeOse can detect more than 700 different odours and deliver results within 30 seconds



50 NeOse devices of €10k each ordered in first 6 months by 10 world leading fragrance companies



Making Innovations Investment-Ready: RTOs' Operational Support to Deep-Tech Start-Ups

RTOs' multifaceted support provided to their deeptech start-ups at every step of the way is crucial to their success:

- Detection of promising projects at early stages
- Support to build the business case
- Support for the validation phase (pilots & prototypes)
- Access to in-house technological infrastructures
- Transfer of strong Intellectual Property Rights
- Support to build smart teams
- Financial support & advice (label as due diligence)
- Connecting to industry and finding customers



- Created in 1999 as CEA Investment with fund of €72M
- Since 2017: 5 funds totalling €250M
- > Financed 100+ start-ups since 1999
- 5 tech areas: life sciences, energy & environment, industry, microelectronics and digital



Recommendations for the EIC

- > EIC should build on RTOs' success and support them to boost start-ups' creation and scaling up
- EIC Pathfinder: pre-seed funding grant to make innovation investment-ready (equity too risky at this stage)
 - target a few game-changing and market-creating deep-tech innovations with scale-up potential
 - make them investment-ready, increasing both the technological and commercial readiness-level
 - increase the length of the maturation/incubation phase to secure the market of the future deep-tech start-up
- EIC Accelerator: Increase public & private support to provide liquidity to start-ups at a later stage after their creation
 - > Avoid that the deep-tech start-ups that were nurtured in the EU move out of Europe to places where funding is more accessible



Horizon Europe's Legal & Financial Frameworks



Eva Maria Moar, Head of Research Development Office, EURAC Dorte Dalsgaard,
Team Manager
Finance and Accounts,
DTI



Key topic:

Balancing policies on Open Science and policies on Intellectual Property Rights

Objective: Foster RD&I Collaboration with industry









In principle...

"The underlying principle for the optimal reuse of research data should be: "as open as possible, as closed as necessary"

EU Competitiveness Council Conclusions – 27 May 2016



EARTO Paper on Open X



December 2015



EARTO Note on US Agencies Data Sharing Policies

December 2016



US Open
Science Data
Cloud



July 2017



earto Analysis of EC Proposal for Horizon Europe

June 2018



Joint Statement on the Revision of the PSI Directive

November 2018



to EC
Consultation on
HEU
Implementation

September 2019



... but in practice

Risks of unballanced EU policy on IPR VS Open Science:

- Weakening of the IP system in Europe
- Disruption of the EU R&I Ecosystem, bringing additional risk and uncertainty
- Risk for RTO-industry collaboration (incl. In FPs)

Need to speak the same language:

- "Open" does not mean "Free"
- "Open" does not mean "Now"





EU State Aid Rules

"The current State Aid rules are perceived as insufficiently innovation-friendly. While designed to avoid unfair competition within the single market, they should not act as a barrier to strategic investments which correspond to EU priorities." LAB-FAB-APP report

"The EU's State aid Framework constitutes a handicap for EU industry and research. [...] The EU RDI State aid rules which add a supplementary legal layer to each Member State's national innovation policies are complex, time-consuming and restrictive. There is no equivalent abroad." **ENIRI report**



earto Note
on EU State Aid Rules
for Research &
Innovation



30 January 2018



Horizon Europe Financial Framework







Make everything as simple as possible, but not simpler.

Albert Einstein



Personnel Costs in Horizon Europe

EC proposal to calculate personnel costs on daily rates instead of hourly rate in Horizon Europe would not bring the simplification intended.



Hourly rates:

- RTOs' main cost driver
- Basis of RTOs' time recording systems
- RTOs' usual cost accounting practice

- Keep H2020 rules for personnel costs
- maintain option of using average personnel costs
- number of productive hours set in accordance with the usual cost accounting practices of beneficiaries



Daily rate:

- not available in RTOs' accounting systems
- not a cost driver



Usual Cost Accounting Practices

RTO level

Continuity and consistency of an RTO's internal rules



- RTOs abide by their national accounting practices.
- RTOs are audited and controlled by their national/regional authorities.
- Usual Cost Accounting Practices are systematically accepted at National level.

National level

National rules, laws or guidelines, or recommendations from ministries or other national authorities

- > Extend the acceptance of the usual cost accounting practices in EU FPs
- Make it concrete in Horizon Europe MGA



EARTO Recommendations for HEU MGA

- 1. Broaden the acceptance of Unit Costs via reasonable allocation keys to better reflect the real costs of the beneficiaries, in particular for the use of technology infrastructures.
- 2. Improve measures for ex-ante assurance and legal certainty by relying on System & Process Audits performed by National auditors.
- 3. Reduce the audit burden on beneficiaries by ensuring efficient cross reliance on audits.



EARTO
Recommendations on
HEU Implementation:
Financial Aspects

30 April 2019



RTOs' Lump-Sum Pilot Experiences



EARTO Input: Towards Lump sums within FP9

15 September 2017



EARTO Feedback on H2020 Lump-Sums Pilot Experiences

30 April 2019

Recommendations for next steps:

- Independent & transparent pilot evaluation
- Limited extension of piloting calls
- > More representative sample

RTOs involved in the H2020 lump-sum pilots:

⇒ many issues encountered



EARTO IMPACT DELIVERED



EARTO Innovation Awards Ceremony 2019



Targeting better cancer care



The new Ion Age



End of the tunnel for firefighting system





Energy transition on the move



One step ahead



The seed of a good idea





EARTO Annual Conference 2020

24-26 March 2020 in Barcelona, Spain

Hosted by:





