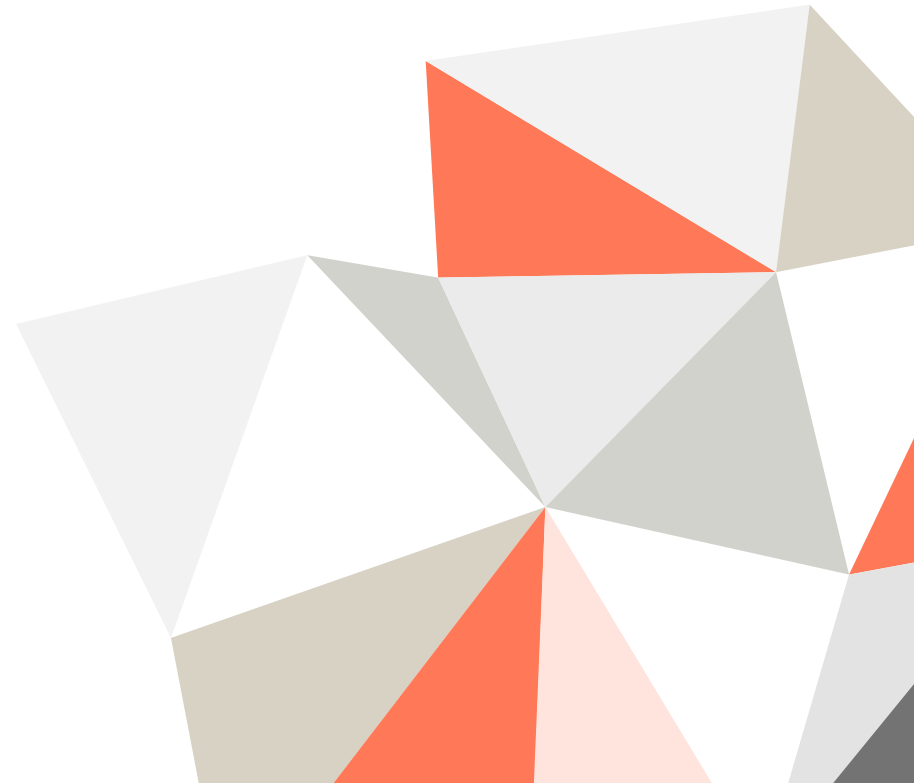


INTERNATIONAL SCIENTIFIC NETWORKING WORKSHOP

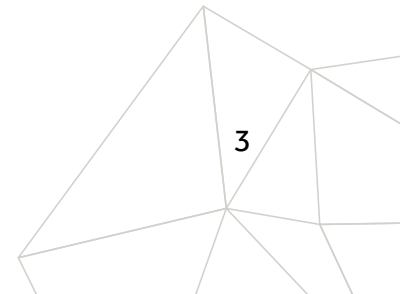
20 June 2025



Agenda 20 June 2025

- Welcome
- International scientific networking – COST Global networking
- Group photo
- EU Global Approach to Research and Innovation
- Break out session
- Coffee break
- Global networking in practice
- Breakout session
- Networking lunch
- Group discussion on international scientific networking
- Networking coffee – end of the meeting





Survey



[HTTPS://FORMS.OFFICE.COM/E/QBJQ22EJWG](https://forms.office.com/E/QBJQ22EJWG)



International scientific networking – COST Global networking

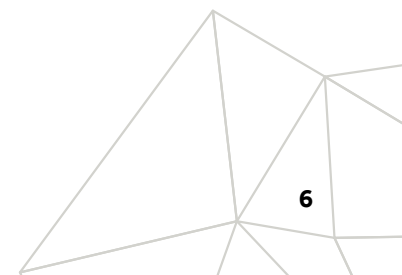
Katalin Alföldi
COST Policy Adviser



COST International scientific networking



- COST Association
 - Go beyond the COST Action participants' informal connections
 - Explore collaboration with partners beyond Europe
 - Provide structured collaboration with research communities beyond the COST membership
 - Raise awareness about COST as an entry point for collaboration with Europe
- COST Actions
 - international cooperation is in the DNA of COST Actions
 - partners from 3rd states
 - international outreach: advancing research, accessing infrastructure, creating knowledge, sharing expertise, co-publication



COST Membership

41 Full COST Members

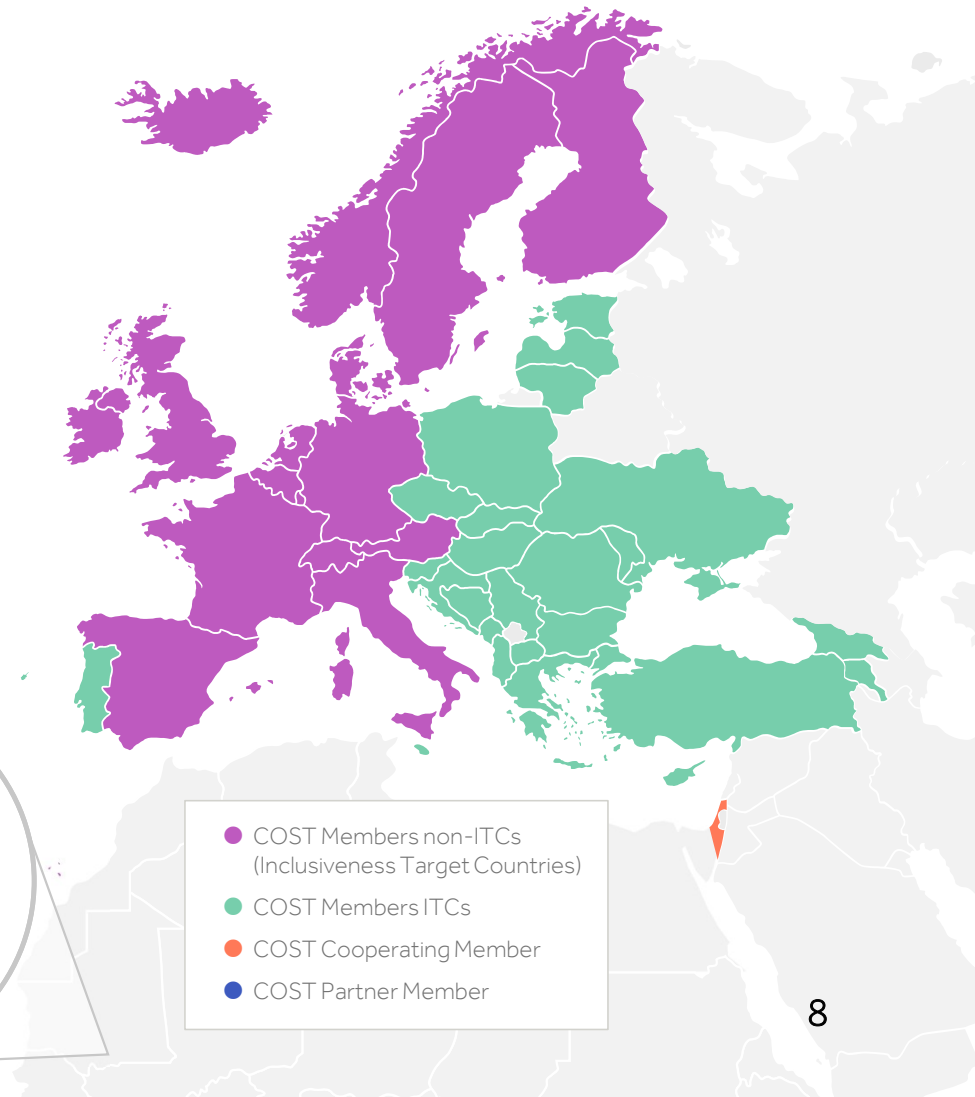
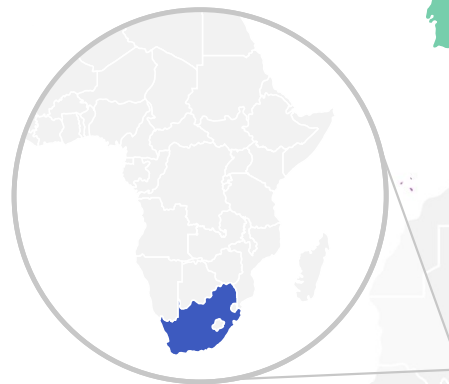
- | | | |
|--------------------------|-----------------------------------|------------------|
| ● Albania | ● Germany | ● Norway |
| ● Armenia | ● Greece | ● Poland |
| ● Austria | ● Hungary* | ● Portugal |
| ● Belgium | ● Iceland | ● Romania |
| ● Bosnia and Herzegovina | ● Ireland | ● Serbia |
| ● Bulgaria | ● Italy | ● Slovakia |
| ● Croatia | ● Latvia | ● Slovenia |
| ● Cyprus | ● Lithuania | ● Spain |
| ● Czech Republic | ● Luxembourg | ● Sweden |
| ● Denmark | ● Malta | ● Switzerland |
| ● Estonia | ● The Republic of Moldova | ● Türkiye |
| ● Finland | ● Montenegro | ● Ukraine |
| ● France | ● The Netherlands | ● United Kingdom |
| ● Georgia | ● The Republic of North Macedonia | |

1 Cooperating Member

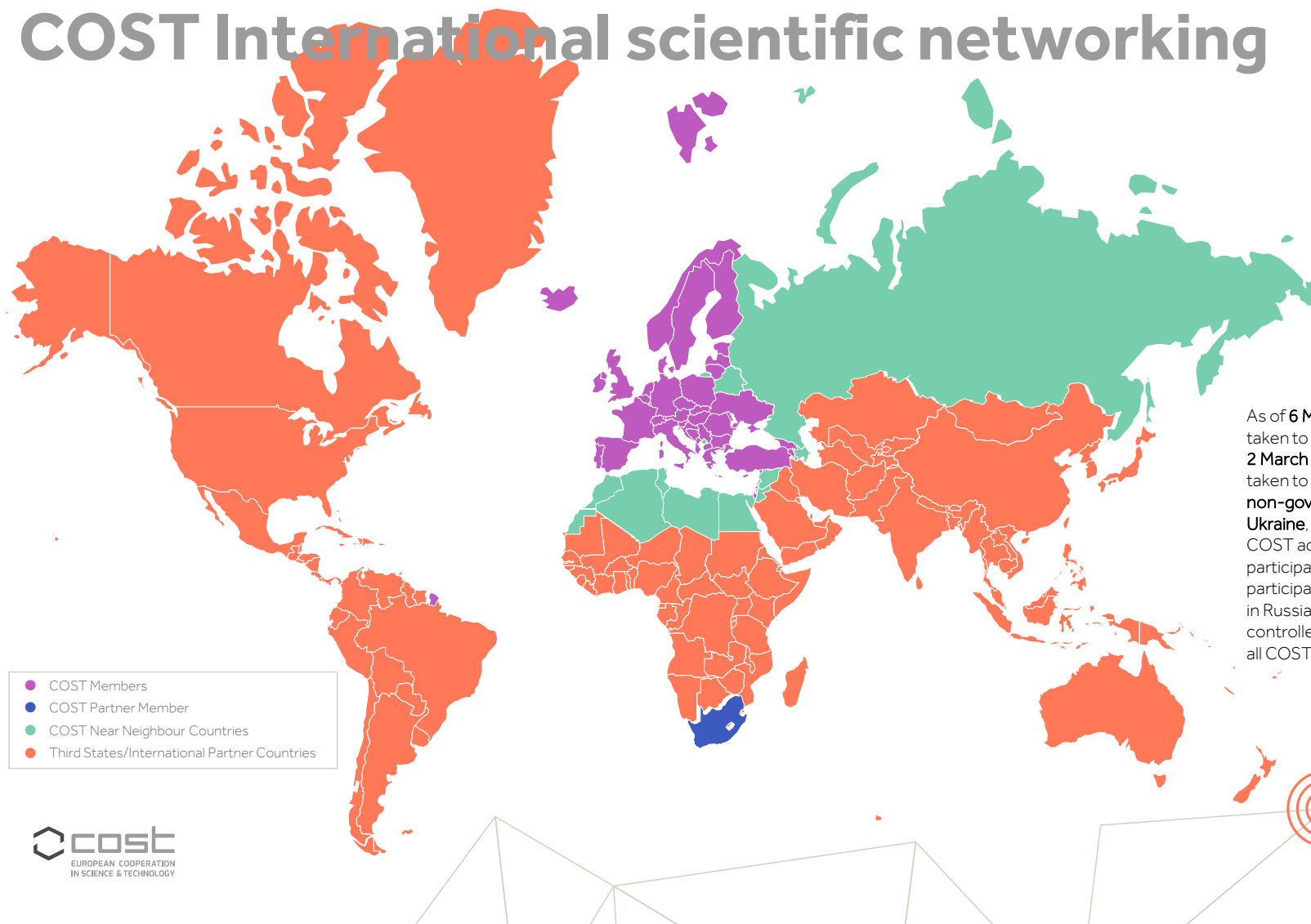
● Israel

1 Partner Member

● South Africa



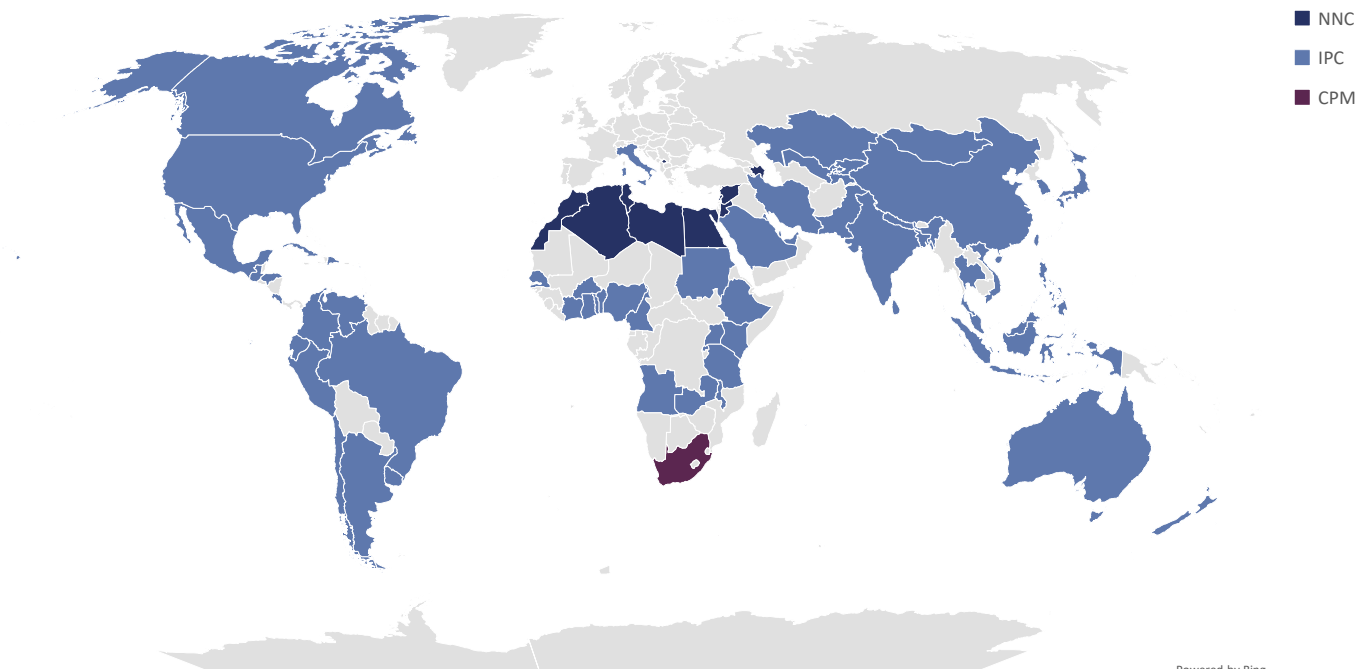
COST International scientific networking



As of **6 May 2022** until further notice, measures are taken to suspend cooperation with **Russia** and as of **2 March 2023** until further notice, measures are taken to suspend cooperation with **Belarus**, and **non-government controlled territories of Ukraine**, for the execution of the COST Actions and COST activities. Amongst these measures, participation and eligibility of COST Action participants affiliated to a legal entity established in Russia, Belarus, and in non-government controlled territories of Ukraine, are suspended for all COST Actions and COST activities.

Non-COST country participation

(in running COST Actions October 2024)



Implementation

- COST Near Neighbour Countries (NNCs): Algeria, Azerbaijan, Belarus***, Egypt, Faroe Islands, Jordan, Kosovo*, Lebanon, Libya, Morocco, Palestine**, Russia***, Syria and Tunisia
- COST 3rd States
- Science diplomacy

*This designation is without prejudice to positions on status and is in line with UNSC 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

**This designation shall not be construed as recognition of a State of Palestine and is without prejudice to the individual positions of the Member States on this issue.

***As of 6 May 2022 until further notice, measures are taken to suspend cooperation with Russia and as of 2 March 2023 until further notice, measures are taken to suspend cooperation with Belarus, and non-government controlled territories of Ukraine, for the execution of the COST Actions and COST activities. Amongst these measures, participation and eligibility of COST Action participants affiliated to a legal entity established in Russia, Belarus, and in non-government controlled territories of Ukraine, are suspended for all COST Actions and COST activities.



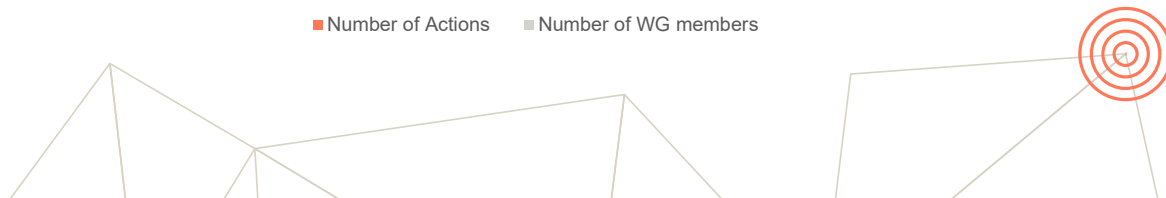
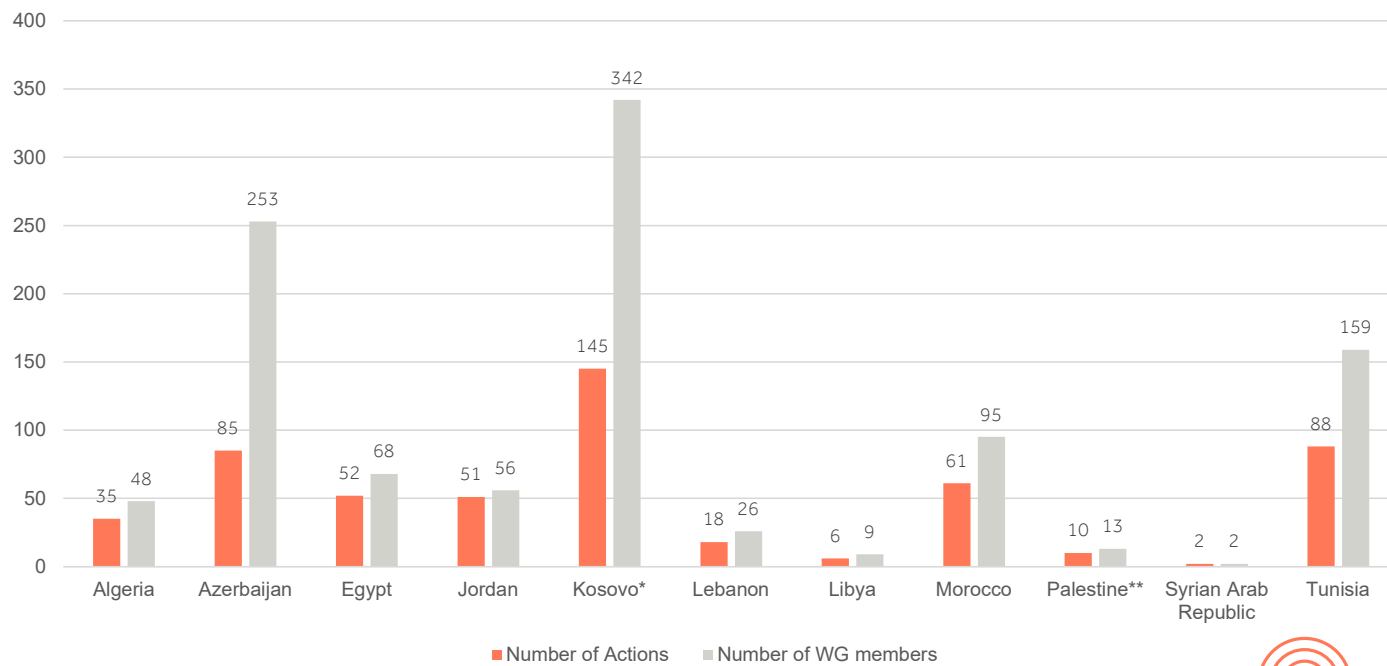
Non-COST country participation

(running COST Actions 2021 Nov – October 2024)



Number of COST Actions and working group members, COST NNCs

(running COST Actions, 2023 November - October 2024)





COST Association - European Cooperation in Science and ...

23,155 followers

4mo •

A busy week in Cairo, Egypt, at the conference 'Advancing Collaborative Research and Innovation in the South Mediterranean: Opportunities and Challenges', followed by our annual COST Near Neighbour Country correspondents event, both hosted by the Academy of Scientific Research and Technology (ASRT).

COST connects with researchers and innovators from the countries neighbouring its Full Members. So if you're located in Algeria, Azerbaijan, Egypt, The Faroe Islands, Jordan, Kosovo, Lebanon, Libya, Morocco, Palestine, Syria or Tunisia you're fully eligible to participate in a COST Action and be refunded. Check your eligibility here: <https://lnkd.in/eFfDiD6A>

With Ronald de Bruin, Katalin Alföldi, Amr Radwan, PhD, Ekram S. Essawi, Heba Gaber, and Laurent Bochereau.

#COSTactions #ScienceWithoutBorders



Am I eligible?

COST Actions are open to all participants, not only to COST Full Members but also to peers from around the world. However, out what opportunities are available depending on your location:

AM I ELIGIBLE?



AM I ELIGIBLE?

[Home](#) > [Am I eligible?](#) > [United States](#) >

What can I participate in?

COST Actions are open and inclusive. Our research networks are different to many other EU funded projects because it is possible to join and participate in a COST Action once it has started, even if you were not involved at proposal stage.

The country you selected is classified as a **Third State**, you can participate in most COST Action activities.

Participation to a COST Action may take the form of a long-term participation, in which case you can join a network as a **Working Group member**.

Participation to a COST Action may also take the form of an **ad-hoc participation** in one of its **networking tools**, subject to invitation by the Action's Management Committee, that include:

- Meetings, workshops and conferences organised by the Action
- Training Schools (as a participant or trainer)
- Hosting a Short-Term Scientific Mission (STSMs)
- Contributing to a Virtual Mobility Grant

Can I be reimbursed?

You are not eligible to receive financial support from COST to fund your participation in COST Action activities.

However **once in the lifetime of the Action you can be refunded to participate in a COST Action meeting as an invited individual. You can also receive financial support to be a trainer in a COST Action Training School.**

Can I be a main proposer or part of a network of proposers for a new COST Action?

You cannot be a main proposer but **you can be part of a network of proposers for a new COST Action** submitted to our annual Open Call. For more information on the Open Call [please check here](#).

Can I be a COST external expert?

Yes, **you can apply to be a COST external expert** and contribute to the evaluation of COST Open Call proposals and assessment of COST Action results. Experts from all scientific areas are welcome.

To become an expert you do not necessarily have to belong to an academic institutions, however a university degree and considerable scientific or professional experience in the specific areas of expertise are required. This is an occasional, short-term assignment. [Learn more here](#).

Eligibility of participation and receiving financial support

- As a **participant** of a running Action:
 - Working group member
 - Ad-hoc participant
- As a **member of the proposing team** of a new COST Action
- As **external expert** to evaluate submitted proposals and COST Actions progress
- Eligibility for reimbursement:
 - COST members
 - COST NNCs
- Limited financial support:
 - 3rd states

Location of COST Action networking activity

COST Action networking activities may take place in following locations:

		Meetings	Training Schools and other networking activities
Online Environment		✓	✓
COST Members	Full or Cooperating Members	✓	✓
	Partner Member	✗	✓
NNC		✓	✓
IPC/Third State		✗	✓
Specific Organisations		Rule applicable to territory where it is vested	

Access to leadership positions

Access to leadership positions shall be as follows:

Affiliation to	Mandatory positions		Other leadership positions (e.g. WG co-leaders, international advisor,)
	Chair/Vice Chair GH SR Grant Awarding Coordinator	WG Leader Science Communication Coordinator	
Legal entity in a COST F/C Member	✓	✓	✓
Legal entity in a COST Partner Member	✗	✓	✓
The EC, EU bodies, offices, and agencies (EC/EU)	✓	✓	✓
A European RTD Organisation	✓	✓	✓
An International Organisation	✗	✓	✓
Legal entity in an NNC	✗	✗	✓
Legal entity in an IPC/ Third State	✗	✗	✓

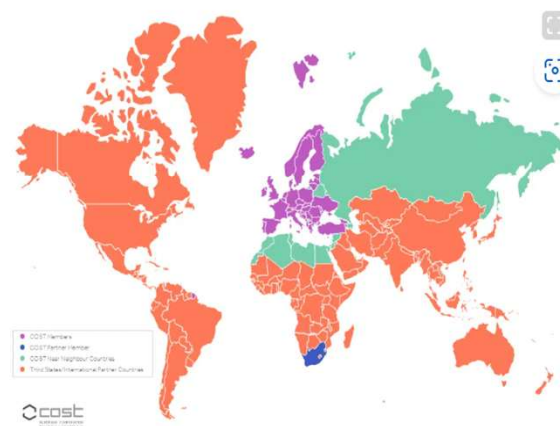
International collaboration

[Home](#) > [About](#) > [COST strategy](#) > International collaboration

International collaboration is key to strengthening brain capacity in research and innovation. Working together with peers from different geographical locations increases richness of knowledge, reduces repetition in research, and avoids the isolation of research communities.

The COST programme nourishes open and inclusive networks in all scientific domains. It is committed to bringing together all relevant stakeholders who can provide added value to tackle different societal challenges.

COST Actions are open to all participants, not only to [COST Full Members](#) but also to peers from around the world. Find out what opportunities are available depending on your location:



Group photo



Europe's strategy for international cooperation in a changing world

*3rd countries associations to
Horizon Europe*

Bernhard FABIANEK
Ágota DÁVID

European Commission, DG RTD





#HorizonEU

THE EU
**RESEARCH &
INNOVATION**
PROGRAMME 2021 – 27

Research and
Innovation

Bernhard Fabianek, Ágota Dávid –
20.06.2025

International cooperation

Why?

- Tackling together global societal challenges;
- Bring together the world's best talents, expertise and resources;
- Enhance supply and demand of innovative solutions



How?

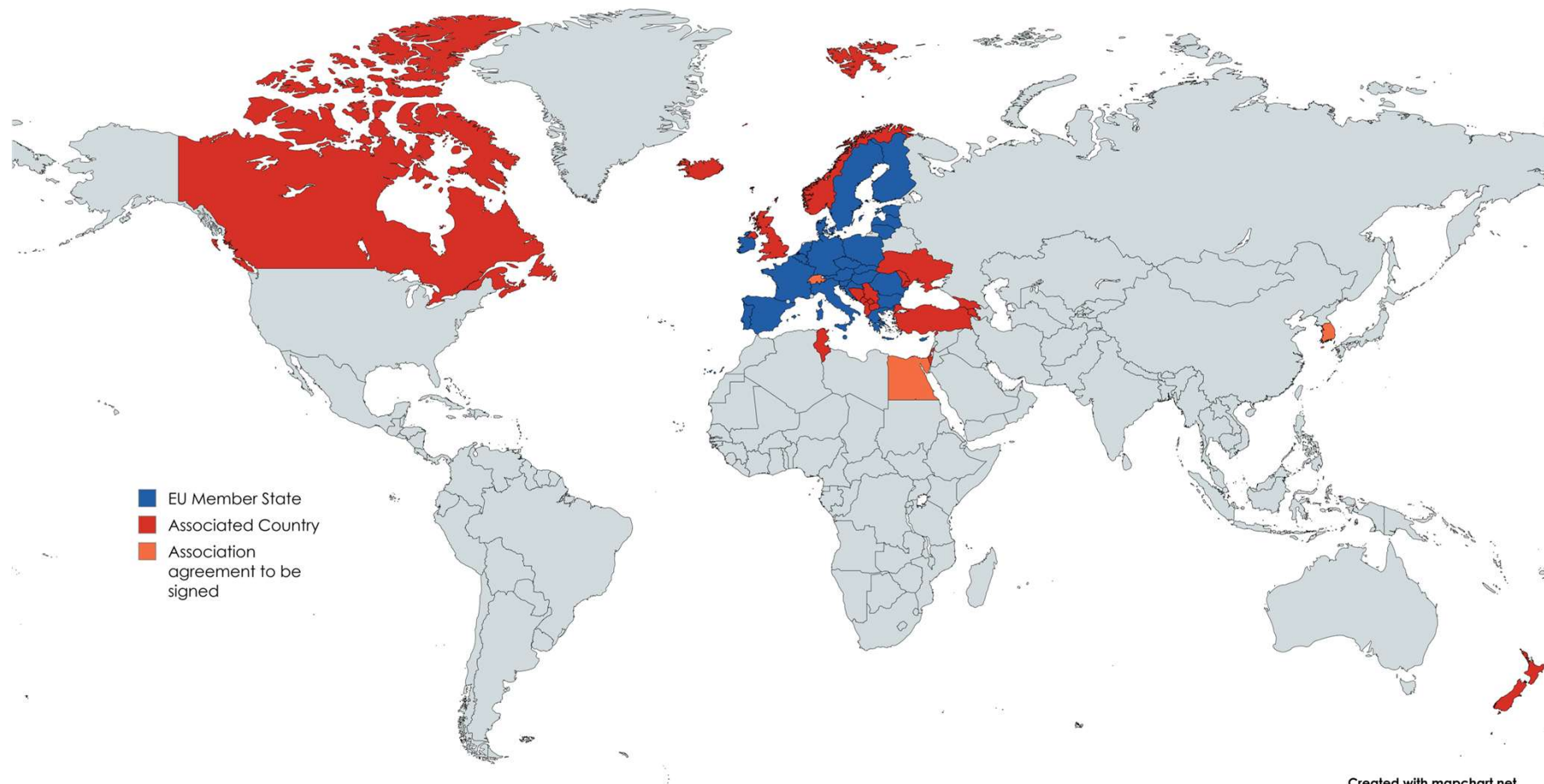
- Association to Horizon Europe
- Low- and middle-income countries are eligible for funding
- Other third countries are eligible for funding if their participation is crucial (flagging) - Beneficiary.
- Otherwise they have to finance their own participation – Associated partner

Association

Categories for association:

- (a) Members of the European Free Trade Association, which are members of the EEA;
- (b) Acceding countries, candidate countries and potential candidates;
- (c) European Neighbourhood Policy countries;
- (d) Third countries and territories that fulfil all of the following criteria:
 - (i) Good capacity in STI;
 - (ii) Rule-based open market economy;
 - (iii) Active promotion of the well-being of citizens.

Association to Horizon Europe



Different types of association

Full Association

Category A, B, C countries:

Albania, Armenia, Bosnia and Herzegovina, Georgia, Iceland, Israel, Kosovo, Moldova, Montenegro, North Macedonia, Norway, Serbia, Tunisia, Türkiye, Ukraine

Egypt

Partial association (Pillar II)

Category D countries:

Canada,
New Zealand

South Korea

Category D – Full association

Faroe Islands
United Kingdom
Switzerland

*This designation is without prejudice to positions on status and is in line with UNSC 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

Funding modalities

GDP based - MS

Pay as you go - AC

Co-funding – high income third countries

What changes?



Receive funding directly from the programme



Consortium Coordinator



Access to (almost) all calls



Observer status in the Programme Committees as part of Horizon Europe Governance



Choose Europe for Science

Freedom of scientific research

Favourable research and living conditions

Dedicated schemes for individual researchers

MSCA postdoctoral fellowships,

MSCA Choose Europe for Science Initiative

ERC grants

More information:

28 *Choose Europe: advance your research career in the EU*

Thank you for your attention



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Slide xx: element concerned, source: e.g. Fotolia.com; Slide xx: element concerned, source: e.g. iStock.com

Europe's strategy for international cooperation in a changing world *low- and middle-income countries and in particular Africa*

Jens HÖGEL

European Commission, DG RTD





The EU's approach to international scientific collaboration with low- and middle-income countries and in particular the collaboration with Africa

20 June 2025

Jens Hoegel

Team Leader
European Commission
DG RTD Unit 04 – International Cooperation Asia, Pacific,
Africa and the Middle East



@EUScienceInnov | #EUResearchArea | #ResearchImpactEU | #HorizonEU



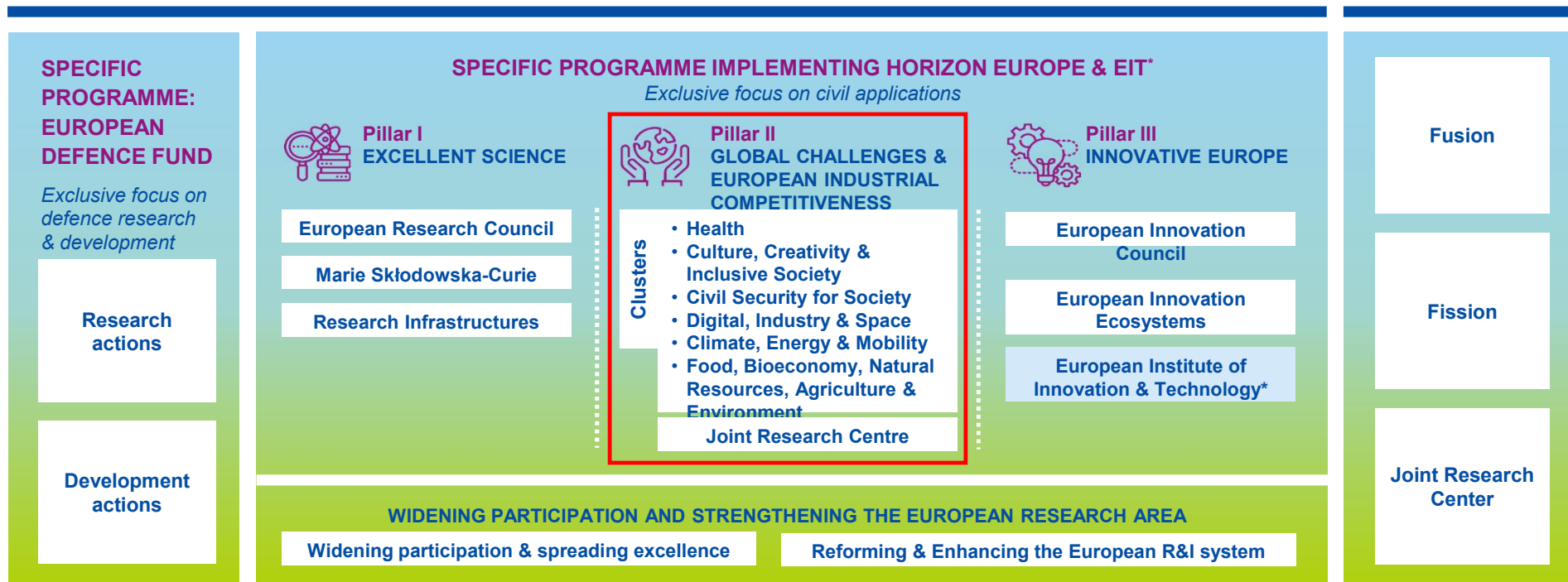
European
Commission



International Cooperation in Horizon Europe

HORIZON EUROPE

EURATOM



* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme



EU-Africa cooperation in Research & Innovation (R&I)



- As a strategic partner, the EU seeks to **enhance cooperation with Africa** to promote targeted actions to finding locally adapted solutions to global challenges that often-hit Africa hardest.
- The [Comprehensive EU strategy with Africa](#) and the [Global Approach to Research & Innovation \(R&I\)](#) are the EU's most recent policy initiatives that **prioritise R&I** as a key dimension of **sustainable development**.
 - The *Comprehensive EU Strategy with Africa* proposes to **scale up the EU's academic and scientific cooperation with Africa**, with a view to creating **prosperous knowledge societies** in both continents.
 - The *EU Global Approach to R&I* foresees **special openness vis-à-vis African countries** that wish to thrive as knowledge-based economies and accelerate their **sustainable and inclusive development**.
- The [AU-EU High Level Policy Dialogue \(HLPD\) on Science, Technology and Innovation \(STI\)](#) (est. 2010) is the **policy forum** where regular exchanges on R&I policy take place and where **long-term priorities** to strengthen cooperation are established. Under its aegis, the **first ever AU-EU R&I Ministerial Meeting** took place in **July 2020**, establishing the **4 joint priorities** of the AU-EU cooperation in R&I:



Public Health



Green Transition



Innovation & Technology



Capacities for Science



The Joint AU-EU Innovation Agenda

Aiming to foster the translation of R&I into tangible goods, services, businesses and jobs in both Africa and Europe



- Drafted through a concerted “**Team Africa-Europe**” work, involving AU and the EU Member States and Commissions, under the **AU-EU High-Level Policy Dialogue (HLPD) on Science, Technology and Innovation (STI)**.
- Working document published in **February 2022**, extensively discussed over a ‘**Stakeholder Dialogue Process**’ throughout 2022, culminated in the **AU-EU Innovation Agenda Stakeholder Event** in Nov. 2022 in Nairobi.
- **Final version** of the Agenda prepared building on the feedback and input received from Stakeholders. **Adopted on 19 July 2023.**

4 objectives:



Make it real

- Translate innovative capacities and achievements into **tangible outputs**, supporting sustainable growth and jobs, in particular for the youth



Generate impact by design

- Foster - strengthen innovation ecosystems to enhance socio-economic impact



Strengthen people, communities & institutions

- Develop sustainable, long lasting and mutually beneficial higher education and R&I partnerships



Learn, monitor, and scale it up

- Scale-up instruments that can take forward existing successful programmes and projects, enable - strengthen the knowledge triangle of education, R&I & place special focus on **public participation, transparency, and inclusion**



Short-, medium- and long-term set of actions, according to four joint priority areas:

- Public Health
- Green Transition
- Innovation & Technology
- Capacities for Science + the additional
- Cross-cutting issues



Mapping of gaps & needs for each priority area

- Currently under **implementation**. Supported, from the EU side, by the **Global Gateway Africa – Europe Investment Package** as well as **Horizon Europe** (e.g. “**Africa Initiatives**” and “**Med Initiatives**”).



European Commission



International Cooperation in R&I

Global approach to Research and Innovation

Guiding principles:

- Commitment to openness
- Values & Principles
- Pursuit of a level playing field and reciprocity
- Pool global efforts to tackle global challenges



International Cooperation in Horizon Europe

Openness

- Horizon Europe 'by-default' open to almost all countries
- Non-discriminatory: researchers and innovators of any nationality can apply for grants (MSCA, ERC...)
- Association to the Programme:
 - Countries associated to HE:
Albania, Armenia, Bosnia and Herzegovina, Canada, Faroe Islands, Georgia, Iceland, Israel, Kosovo*, Moldova, Montenegro, New Zealand, North Macedonia, Norway, Serbia, Tunisia, Türkiye, Ukraine, UK
 - In the "process of Association": Egypt, Morocco, Switzerland, South Korea
[list-3rd-country-participation_horizon-euratom_en.pdf](#)



International Cooperation in Horizon Europe

Access to Horizon Europe funding

- Automatically eligible for EU funding (“Beneficiaries”)
 - Low- and Middle-Income Countries (see [list](#))
 - Countries associated to Horizon Europe
- Non-associated third countries not eligible for EU funding (“Associated partners”)
 - Exceptions on a case-by-case basis + specified in topic calls
- Co-funding mechanisms
 - E.g. Canada, Monaco, China, Switzerland... ([Guide CFM](#) on F&T Portal)



International Cooperation in Horizon Europe

Targeted international cooperation actions (1/2)

- Flagging of call topics specifically relevant for International Cooperation in the Work Programmes, e.g. in:
 - Strategic thematic areas (topics)
 - Geographical areas (countries/regions)
 - Multilateral initiatives
 - Collaboration with key partners
- WP 25: **35%** International Cooperation-flagged topics; see F&T Portal
 - filter for International Cooperation



International Cooperation in Horizon Europe

Targeted international cooperation actions (2/2)

- Cooperation with Africa and MED under the HE ‘**Africa Initiative**’ and new ‘**Mediterranean Initiative**’.
- Cooperation with **China** in line with the ongoing discussions on the **Joint Roadmap for the future of EU-China cooperation in science, technology, and innovation**
 - Aim is a more nuanced and transactional approach for collaboration with China
 - Cooperation in **Food, Agriculture and Biotechnology (FAB)** and **Climate Change and Biodiversity (CCB)** research flagship initiatives. Chinese participants will be funded by the Ministry of Science and Technology of the People’s Republic of China.
 - **Article 22.6** applies to limit Chinese participation in innovation actions.

Africa Initiative III

In Horizon Europe Work Programme 2025



- Building on the positive outcomes of the **Africa Initiative I+II** of Horizon Europe Work Programmes 2021-2024.
- In the WP 2025 a total budget of **500.5 MEUR** through **24 topics** under **calls for proposals** to boost **EU-Africa cooperation on Research & Innovation (R&I)**.
- Enabling the implementation of the **short-term and medium-term actions** of the **AU-EU Innovation Agenda**, aiming to **translate R&I into tangible positive impact on the ground**, particularly in the areas of ¹:
 1. *Public Health* (50 MEUR) 
 2. *Green Transition* (241 MEUR) 
 3. *Innovation & Technology* (186.5 MEUR) 
 4. *Capacities for Science* (3.5 MEUR) 
 5. *Cross-cutting issues* (19.5 MEUR) 
- Publication of **Horizon Europe Work Programme 2025: 15 May 2025, please check also for date of closing of calls** ([EU funding & tenders' portal](#)).

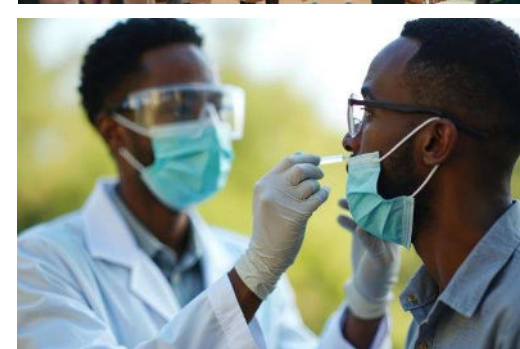
Public Health

Action ID	Topic title	Budget	Deadline
HORIZON-HLTH-2025-01-DISEASE-03 <i>RIA - E</i>	Development of antibodies and antibody-derived proteins for the prevention and treatment of infectious diseases with epidemic potential	50 MEUR; Up to 10 MEUR per grant	16/09/2025

- The AU-EU R&I priority area of *Public Health* is further addressed through the calls of the [Global Health EDCTP3 Joint Undertaking](#).

CSA = Coordination and Support Action
IA = Innovation Action
RIA = Research & Innovation Action

Participation of African entities:
 Required (**R**) / Encouraged (**E**)
 Limited (**L**) / Not specified (**N**)



Green Transition – Climate Change and Sustainable Energy

Action ID	Topic title	Budget	Deadline
HORIZON-CL5-2025-06-D1-06 <i>RIA – N</i>	Fostering equity and justice in climate policies – Societal Readiness Pilot	15 MEUR; Up to 5 MEUR per grant	24/09/2025
HORIZON-CL5-2025-02-D2-03 <i>IA – L</i>	Sustainable processing and refining of raw materials to produce battery grade Li-ion battery materials (Batt4EU Partnership)	20 MEUR; Up to 10 MEUR per grant	02/09/2025
HORIZON-CL5-2025-02-D3-15 <i>CSA – R</i>	Building a Long-Term Africa Union (AU) and European Union (EU) Research and Innovation joint collaboration on Sustainable Renewable Energies	4 MEUR	02/09/2025
HORIZON-CL5-2025-06-D1-07 <i>CSA – R</i>	Implementing the climate action pillar of the EU-African Union Partnership on Climate Change and Sustainable Energy	4 MEUR	24/09/2025
HORIZON-CL6-2025-02-COMMUNITIES-03 <i>IA – L (Caps Verde, Ghana, Morocco, Senegal, South Africa)</i>	Innovative solutions for resilient and climate-adapted coastal communities in the Atlantic	6 MEUR	16/09/2025

CSA = Coordination and Support Action
IA = Innovation Action
RIA = Research & Innovation Action

Participation of African entities:
 Required (**R**) / Encouraged (**E**)
 Limited (**L**) / Not specified (**N**)



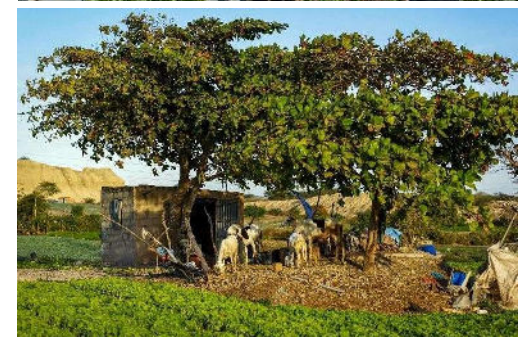
Green Transition – Food and Nutrition Security and Sustainable Agriculture



Action ID	Topic title	Budget	Deadline
HORIZON-CL6-2025-02-FARM2FORK-16 <i>RIA – R</i>	Developing a joint AU-EU Agricultural Knowledge and Innovation System (AKIS) supporting the Food and Nutrition Security and Sustainable Agriculture (FNSSA) partnership	6 MEUR	16/09/2025
HORIZON-CL6-2025-02-FARM2FORK-17 <i>RIA – R</i>	Nutrition in emergency situations - Ready-to-use Supplementary Food (RUSF) and Ready-to-use Therapeutic Food (RUTF)	8 MEUR	16/09/2025
HORIZON-CL6-2025-02-FARM2FORK-05 <i>RIA – E</i>	Developing innovative phytosanitary measures for plant health - focus on systems approach for pest risk management	12 MEUR; Up to 6 MEUR per grant	16/09/2025
HORIZON-CL6-2025-02-FARM2FORK-05-two-stage <i>RIA – R</i>	Developing agroecology living labs and lighthouses for climate action under the Food and Nutrition Security and Sustainable Agriculture (FNSSA) partnership	12 MEUR; Up to 6 MEUR per grant	04/09/2025 (1st Stage), 18/02/2026 (2nd Stage)
HORIZON-MISS-2025-05-SOIL-02-two-stage <i>RIA – E</i>	Broadening the living labs approach for soil health in Africa and Latin America and the Caribbean (LAC)	12 MEUR. Up to 6 MEUR per grant	04/09/2025 (1st Stage), 18/02/2026 (2nd Stage)

CSA = Coordination and Support Action
IA = Innovation Action
RIA = Research & Innovation Action

Participation of African entities:
Required (R) / **Encouraged (E)**
Limited (L) / **Not specified (N)**



Green Transition – Water Security and Biodiversity



Action ID	Topic title	Budget	Comments
HORIZON-CL6-2025-02-CLIMATE-05 <i>Programme Co-fund Action – N</i>	Additional activities for the European Partnership Water Security for the Planet (Water4All)	70 MEUR, divided as follows: 23 MEUR in 2025; 23 MEUR in 2026; 24 MEUR in 2027	16/09/2025
HORIZON-CL6-2025-02-FARM2FORK-03 <i>IA – E</i>	Overcoming the barriers for scaling up circular water management in agriculture	12 MEUR; Up to 6 MEUR per grant	16/09/2025
HORIZON-CL6-2025-01-BIODIV-01 <i>Programme co-fund action – N</i>	Additional activities for the European Biodiversity Partnership: Biodiversa+	60 MEUR, divided as follows: 20 MEUR in 2025; 20 MEUR in 2026; 20 MEUR in 2027	17/09/2025



Green Transition / Cross-cutting issues



Action ID	Topic title	Budget	Deadline
HORIZON-CL2-2025-01-TRANSFO-11 CSA – E	Migration and climate change: building resilience and enhancing sustainability	2 MEUR	16/09/2025



Green Transition / Innovation & Technology



Action ID	Topic title	Budget	Deadline
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-64 <i>Programme Co-fund Action – L</i>	EU Co-funded Partnership on raw materials for the green and digital transition (Co-funded partnership Raw Materials for the Green and Digital Transition)	90 MEUR, divided as follows: 45 MEUR in 2025 45 MEUR in 2027	23/09/2025



Innovation & Technology

Action ID	Topic title	Budget	Deadline
HORIZON-CL3-2025-01-DRS-03 IA – L	Open topic on testing / validating tools, technologies and data used in cross-border prevention, preparedness and responses to climate extreme and geological events and chemical, biological or radiological emergency threats	13.5 MEUR, Up to 4.50 MEUR per grant	12/11/2025
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-61 IA – L	Technologies for critical raw materials and strategic raw materials from end-of-life products	24 MEUR; Up to 8 MEUR per grant	23/09/2025
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-62 IA – L	Strategic Partnerships for Raw Materials: Innovative Approaches for sustainable production of Critical Raw Materials	30 MEUR; Up to 7.5 MEUR per grant	23/09/2025
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-63 IA – L	Innovative solutions for the sustainable production for Semiconductor raw materials	24 MEUR; Up to 8 MEUR per grant	23/09/2025
HORIZON-CL4-2025-04-HUMAN-08 RIA – R	GenAI for Africa	5 MEUR; Up to 1-1.5 MEUR per grant	02/10/2025

CSA = Coordination and Support Action
IA = Innovation Action
RIA = Research & Innovation Action

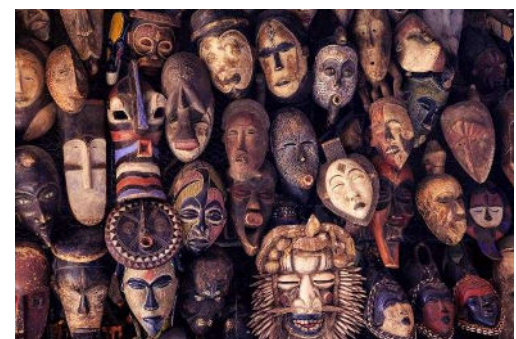
Participation of African entities:
Required (R) / **Encouraged (E)**
Limited (L) / **Not specified (N)**



Capacities for Science / Cross-cutting issues



Action ID	Topic title	Budget	Deadline
HORIZON-CL2-2025-01-HERITAGE-08 CSA – E	Bridging historical past and future potential through conservation, preservation, and adaptive use of Europe's contentious and dissonant heritage	3.5 MEUR	16/09/2025



CSA = Coordination and Support Action
IA = Innovation Action
RIA = Research & Innovation Action

Participation of African entities:
 Required (**R**) / Encouraged (**E**)
 Limited (**L**) / Not specified (**N**)



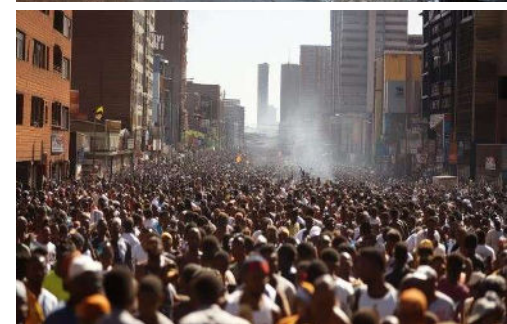
Cross-cutting issues



Action ID	Topic title	Budget	Deadline
HORIZON-CL3-2025-01-DRS-02 <i>RIA - L</i>	Open topic on Improving disaster risk management and governance to ensure self-sufficiency and sustainability of operations in support of enhanced resilience	10.5 MEUR; Up to 3.5 MEUR per grant	12/11/2025
HORIZON-CL2-2025-01-DEMOCRACY-04 <i>RIA - N</i>	Open strategic autonomy, economic and research security in EU foreign policy	7 MEUR; Up to 3-3.5 MEUR per grant	16/09/2025

CSA = Coordination and Support Action
IA = Innovation Action
RIA = Research & Innovation Action

Participation of African entities:
 Required (**R**) / Encouraged (**E**)
 Limited (**L**) / Not specified (**N**)





Examples of successful EU-AU R&I Partnerships



Public Health

- The **European and Developing Countries Clinical Trials Partnership (EDCTP)**:
 - Joint investment of 1.5 BEUR for EDCTP1 and EDCTP2, > 680 projects funded
 - 19 EU (15 in EDCTP Association) and 44 AU countries (29 in EDCTP Association); 178 EU and 321 AU partners involved
 - Currently in its third cycle of funding (2021-2031): [Global Health EDCTP3 Joint Undertaking](#) (1.8 BEUR) → **open to All Countries** (contribution and EDCTP Association membership)



Green Transition

- R&I Partnership on **Food Nutrition Security and Sustainable Agriculture (FNSSA)** channeled a joint investment of 710 MEUR for >300 projects, on four priorities:
 - 1) Sustainable intensification;
 - 2) Agriculture and food systems for nutrition;
 - 3) Expansion and improvement of agricultural trade and markets;
 - 4) Cross-cutting topics.
 - 27 EU and 47 AU countries, 875 EU and 557 AU partners involved.
- R&I Partnership on **Climate Change Sustainable Energy (CCSE)**, with an investment of 288 MEUR for climate services, renewable energy and energy efficiency which will support adaptation and mitigation efforts in various sectors for Africa and implementation of the Paris Agreement on Climate Change.
 - 44 funded projects (+ 23 from co-funded calls). 27 EU and 28 AU countries, 425 EU and 177 AU partners involved.



Synergies on EU-Africa R&I Partnerships

**Horizon Europe
– Africa Initiative
(EC DG RTD)**

Neighbourhood, Development and International
Cooperation Instrument (NDICI) – ‘Global Europe

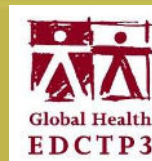
- Global Gateway projects
- African Research Initiative for Scientific Excellence (ARISE)
- ACP Innovation Fund
- Erasmus +

(EC DG INTPA)

**AU-EU R&I Partnership
on Food and Nutrition
Security and Sustainable
Agriculture (FNSSA)**

- DeSIRA projects and DESIRA+ programme
- African Union Research Grants projects

**Example of synergy of
funds:**

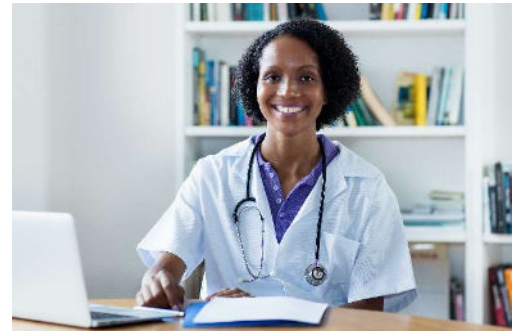




Marie Skłodowska-Curie Actions (MSCA)

- The EU flagship programme for **researchers' mobility and training** through the development of excellent **doctoral programmes, collaborative research and fellowship schemes**, contribute to excellent research and a highly skilled research-based human capital.

See: <https://ec.europa.eu/research/mariecurieactions>



#HorizonEU

Upcoming events

- **Union for the Mediterranean – UFM Regional Platform on Research and Innovation Meeting on 22 October 2025 in Brussels**
- **The EU-AU Innovation Fair on 23 October 2025 in Brussels**
- **2nd Mediterranean Innovation Market Place on 23 October 2025 in Brussels**
- **Senior Officials Meeting of the EU-AU High-Level Policy Dialogue on Science, Technology and Innovation on 24 October 2025 in Brussels**



#HorizonEU

Follow us, engage and keep up to date via:

- [EU-Africa Cooperation in Research and Innovation](#)
- [AU-EU High-Level Policy Dialogue on Science, Technology and Innovation](#)
- [EU-Africa R&I Cooperation Factsheet](#)
- [Horizon Europe website](#)
- [Africa Initiative I Factsheet](#)
- Joint AU-EU Innovation Agenda: [Presentation](#), [Promotional Video](#), [Working Document](#) and [Pre-print of Commentary Paper](#)
- [International Cooperation website](#)
- [Union for the Mediterranean \(UfM\) Portal](#)
- [Horizon Europe Funding & Tenders' Portal](#)
- [National Contact Points \(NCPs\) Portal](#)
- [Coronavirus Global R&I Collaboration Portal](#)





Thank you!

@EUSciencInnov
#EUAfrica #HorizonEU



Europe's strategy for international cooperation in a changing world *the European Framework for Science Diplomacy*

Jan-Marco MÜLLER

European Commission, DG RTD



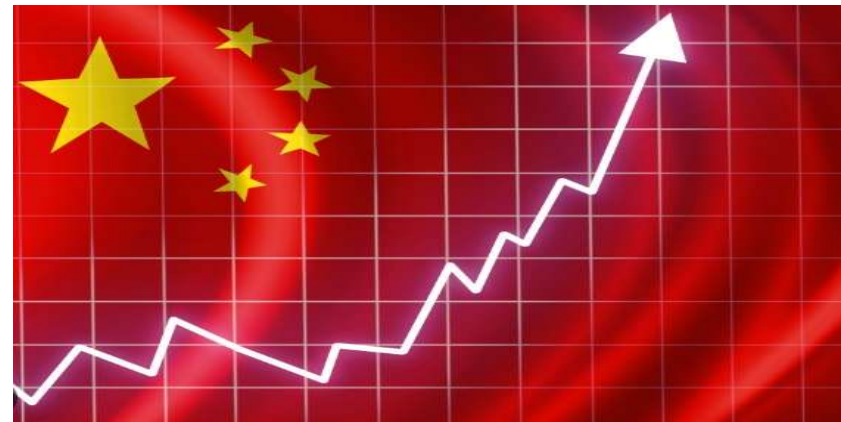


European
Commission

A EUROPEAN FRAMEWORK FOR SCIENCE DIPLOMACY

Recommendations of the
EU Science Diplomacy Working Groups

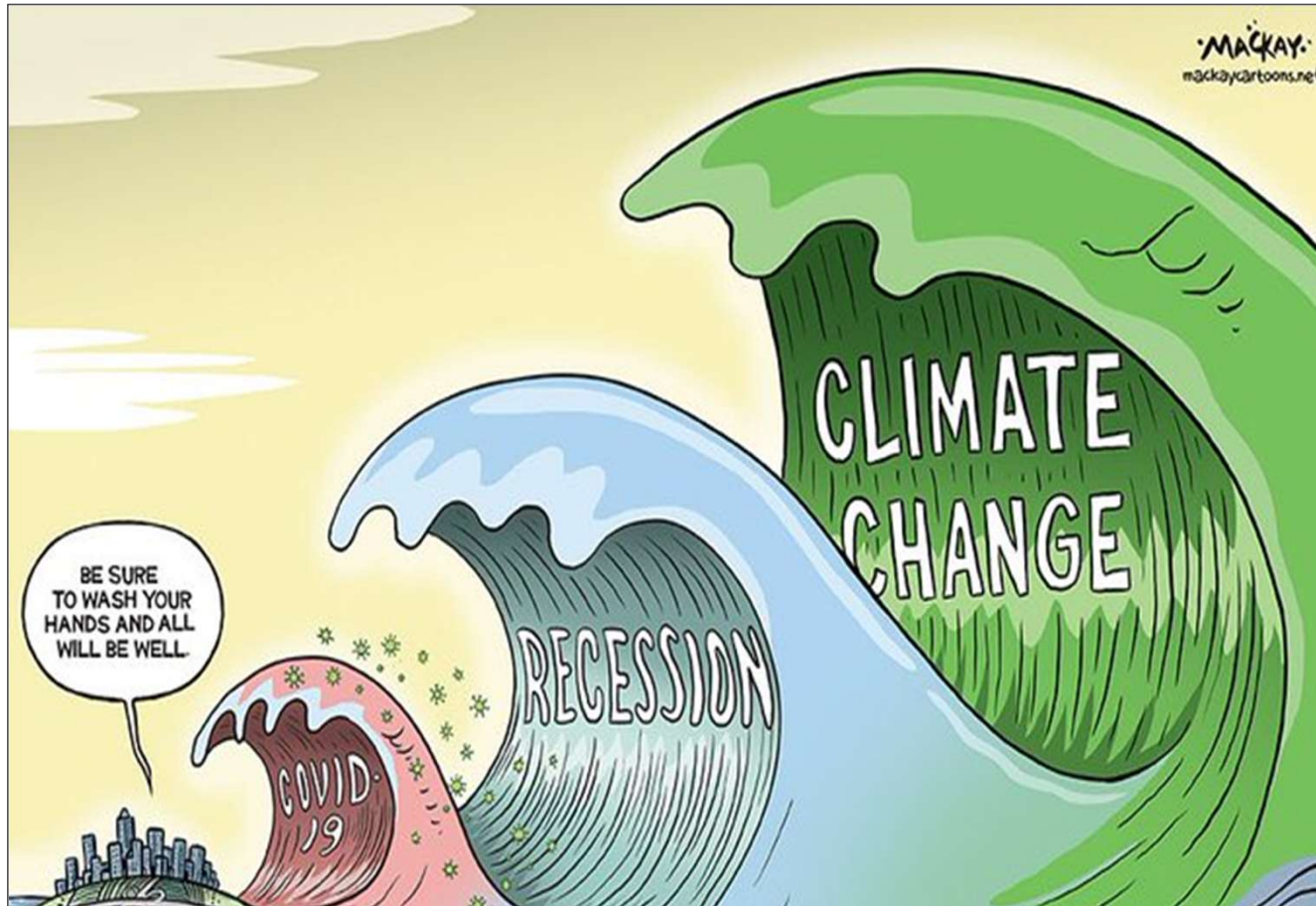
Perfect storm 1: Tectonic shifts in geopolitics



Perfect storm 2: Tectonic shifts in research & innovation



Perfect storm 3: Tectonic shifts in our life support systems



We have seen a mushrooming of “new” diplomacies

Green Diplomacy

Climate Diplomacy

Water Diplomacy

Ocean Diplomacy

Arctic Diplomacy

Space Diplomacy

Health Diplomacy

[...] Diplomacy

Science Diplomacy

Science Diplomacy cuts across!

Countries are developing science diplomacy strategies



Countries are strengthening scientific capacities in their Ministries of Foreign Affairs


Bundesministerium
 Europäische und internationale
 Angelegenheiten

Reise & Services


Alessandra Tognonato
 Consigliere d'Ambasciata
 Capo Ufficio IX – Diplomazia scientifica
 Direzione Generale per la promozione del sistema Paese

**Ministero degli Affari Esteri
 e della Cooperazione Internazionale**
 Piazzale della Farnesina, 1 – 00135 Roma
www.esteri.it


**MINISTRY OF FOREIGN AFFAIRS
 OF DENMARK**
Office of Denmark's Tech Ambassador


**Thierry Damerval va être nommé
 "envoyé spécial pour la science, la
 technologie et l'innovation" pour le
 MESR et le MEAE**


Head of Department - Minister Plenipotentiary
 REPUBLIC OF SLOVENIA
 MINISTRY OF FOREIGN
 AND EUROPEAN AFFAIRS
 DIRECTORATE FOR ECONOMIC AND PUBLIC
 DIPLOMACY
 Department for Cultural and Scientific Diplomacy


Andrei Luca
 Director
 Direcția Diplomație Culturală, Educație și Știință


 European
 Commission

Thierry Damerval va être nommé "envoyé spécial pour la science, la technologie et l'innovation" pour le MESR et le MEAE

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 DIPLOMACY
 Department for Cultural and Scientific Diplomacy

Peter Petian
 Ambassador-at-Large for Science and Innovation, Ministry
 of Foreign and European Affairs of the Slovak Republic

The Ministry > Foreign Relations > Science diplomacy in...

Science diplomacy in Czech MFA

The Czech Government considers international collaboration in research and innovation to be a very important task in further advancing unique qualities of the Czech research (knowledge potential, developed human resources, state-of-the-art facilities) as well as an important instrument of multilateral efforts to address current major global challenges. Subsequently, the Czech MFA develops strategies and builds capacities in science diplomacy.

Imar Koutchoukali

Science advisor at the Ministry of Foreign Affairs, Estonia



MINISTERUL AFACERILOR EXTERNE



In Europe, we are not starting from scratch



InsSciDE
Inventing a shared Science
Diplomacy for Europe



EL-CSID
European Leadership in
Cultural, Science and Innovation Diplomacy



Open **Innovation**
Open **Science**
Open to the **World**



SFIC TASK FORCE
SCIENCE DIPLOMACY



S4D4C
USING SCIENCE FOR/IN DIPLOMACY
FOR ADDRESSING GLOBAL CHALLENGES



**Frontier Research
and
Science Diplomacy**



European Union
EXTERNAL ACTION

The Diplomatic Service of the
European Union



**Tools for an EU Science
Diplomacy**



**european
union
science
diplomacy
alliance**

← **Tweet**

 **Josep Borrell Fontelles** ✓
@JosepBorrellF

Science diplomacy in action:
[@ESO](#) has in Paranal the world's most powerful
observatory. 16 European countries, of which 14 EU
Member States, Australia & host Chile work together.

Cooperation of researchers increases scientific
capacities, in turn helping solve global problems.

Science diplomacy

Global challenges are becoming increasingly complex, inter-
connected, and require a better understanding of the potential consequences of political action.
While science is regarded as a public good, independent, transparent, and reliable, it has
been both a driver and enabler of global change, with the digital revolution and the rise of
artificial intelligence. While science is regarded as a public good, independent, transparent, and
reliable, it has been both a driver and enabler of global change, with the digital revolution and
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and reliable, it has been both a driver and enabler of global change, with the digital revolution and
the rise of artificial intelligence.



European
Commission

Global Approach to Research & Innovation of the EU

➤ Values and Principles in Research & Innovation

- Academic Freedom
- Research Ethics and Integrity
- Gender Equality, Diversity and Inclusion
- Open Data and Open Science
- Evidence-informed policymaking

➤ Level Playing Field and Reciprocity

➤ Pooling of Global Efforts

➤ Cooperation with Priority Countries and Regions



**Multi-
lateral
Dialogue**



FRANCE22

PRÉSIDENCE FRANÇAISE
DU CONSEIL DE L'UNION
EUROPÉENNE

In addition, a stronger focus on science and technology in the EU's foreign and security policies in terms of **'Science Diplomacy'** would help the EU to project soft power and pursue our economic interests and values more effectively, meeting demand and interest from partner countries and playing to the EU's strengths as a research and innovation powerhouse.

Meeting of EU Research Ministers, Santander, 28/07/2023



“Europe needs to pull its weight and act in a coordinated fashion, and I am pleased to see that today we have seen a high degree of ambition among all member states to create a European Framework for Science Diplomacy” (RTD DG M. Lemaître)

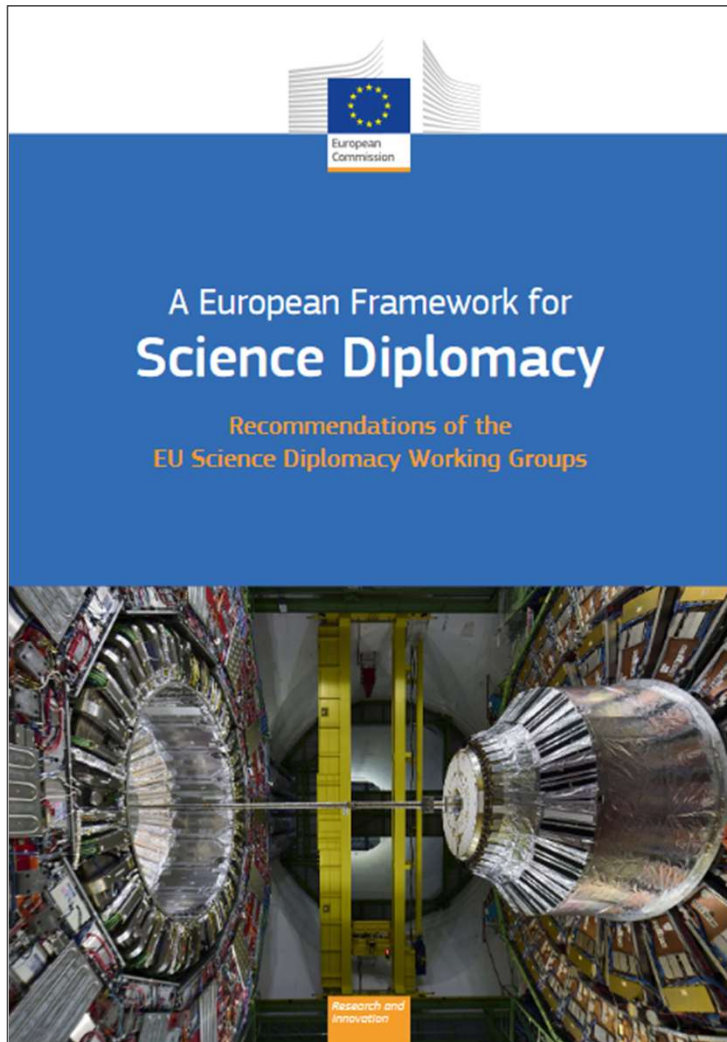
1st European Science Diplomacy Conference



Co-creation by scientists and diplomats

- 130 experts in 5 Working Groups under the guidance of a Steering Team, selected in an Open Call
- Participants
 - acted in a personal capacity
 - from government (EU 27) and academia (EU 27+)
- Each Working Group
 - balanced in terms of geography, gender, expertise & affiliation (science vs. diplomacy)
 - co-chaired by a scientist and a diplomat





*A European Framework for Science Diplomacy –
Recommendations of the EU Science Diplomacy
Working Groups*

Edited by Rasmus Gjedssø Bertelsen, Laurent Bochereau, Effrosyni Chelioti, Ágota Dávid, Dovilė Gailiūtė-Janušonė, Martina Hartl, Angela Liberatore, Jean-Christophe Mauduit, Jan Marco Müller and Luk Van Langenhove

Publications Office of the European Union 2025
<https://data.europa.eu/doi/10.2777/9235330>

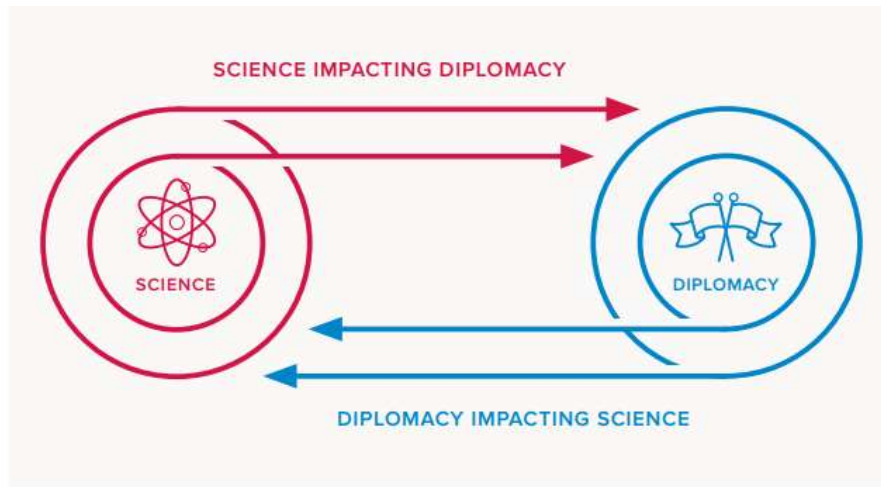
Why do we need European science diplomacy?



"Today, science, technology and innovation translate more than ever into power and geopolitical influence, and this is one of the reasons why they matter for diplomacy. [...] Developing this framework will enable the EU to defend its strategic interests and reduce its vulnerabilities, while at the same time promoting our values and principles for serving the global public good."

Conceptual basis of science diplomacy

AAAS / Royal Society 2025



European Commission 2025

SCIENCE IN DIPLOMACY



Informing foreign and security policy objectives with scientific advice

DIPLOMACY FOR SCIENCE



Facilitating international science cooperation by diplomatic action

SCIENCE DIPLOMACY



Using diplomatic skills and tools in and by science

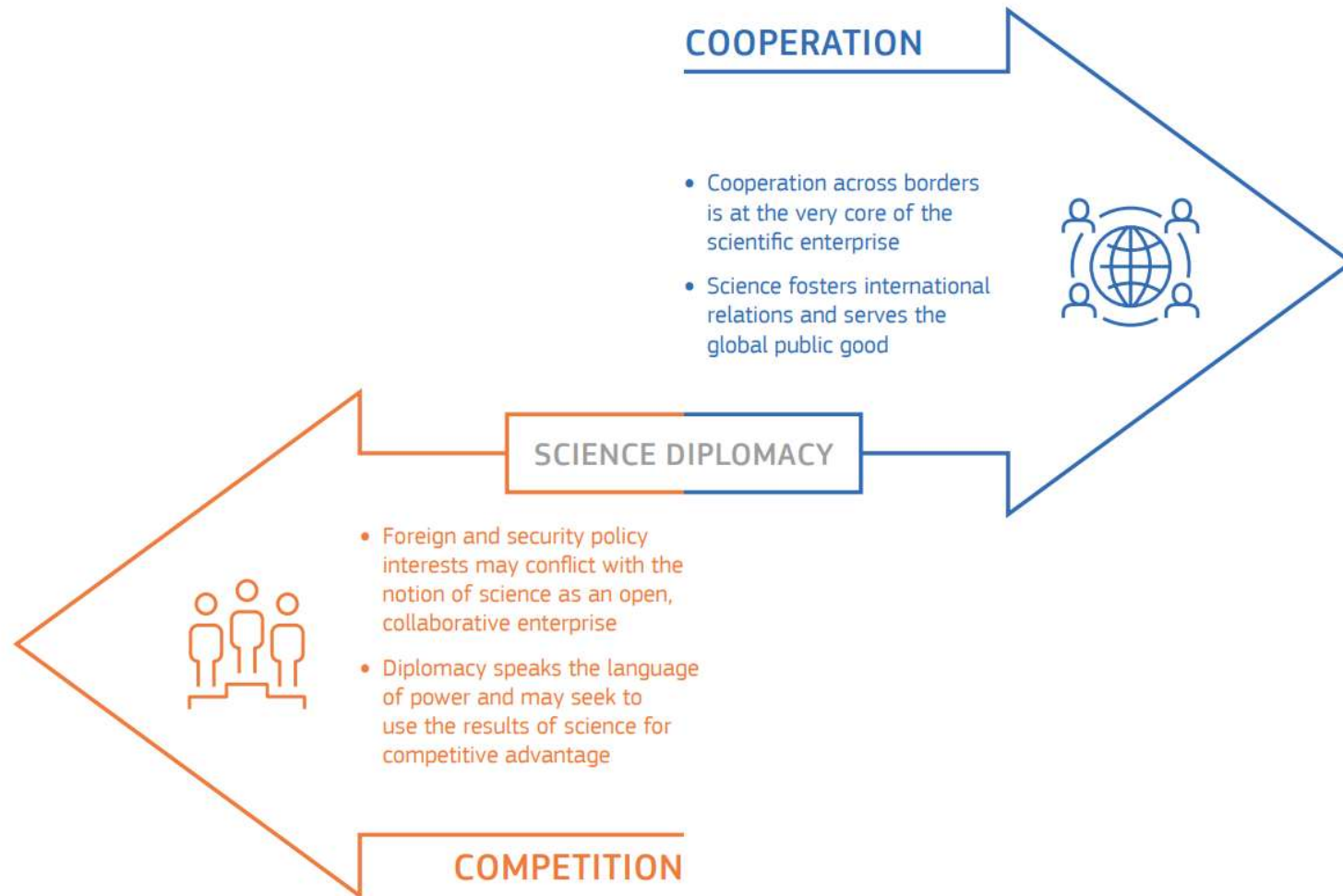


Using science cooperation to improve relations between countries

DIPLOMACY IN SCIENCE

SCIENCE FOR DIPLOMACY

Science diplomacy can be a soft and a hard power!



Recommendations of the Working Groups

Strategic Instruments:

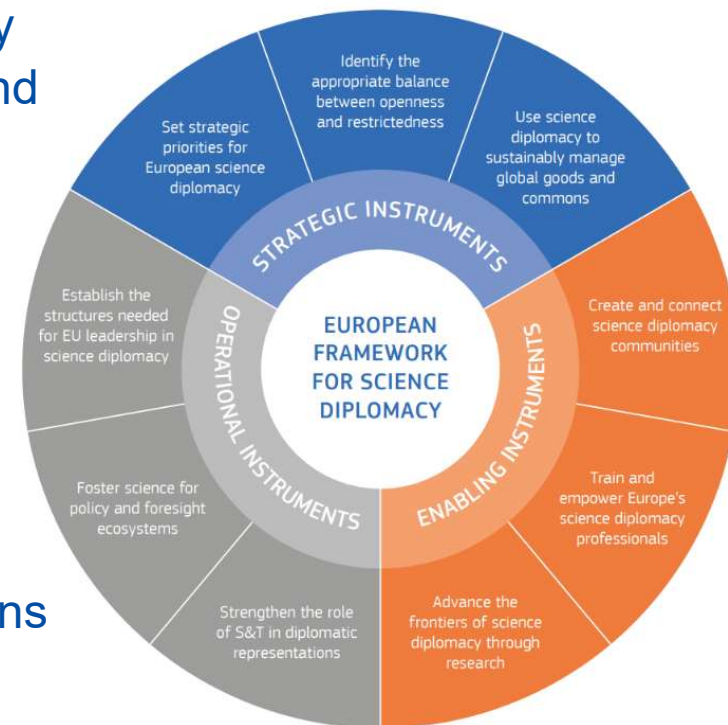
- Set strategic priorities for European science diplomacy
- Identify the appropriate balance between openness and restrictedness
- Use science diplomacy to sustainably manage global goods and commons

Operational Instruments:

- Establish the structures needed for EU leadership in science diplomacy
- Foster science for policy and foresight ecosystems
- Strengthen the role of S&T in diplomatic representations

Enabling Instruments:

- Create and connect science diplomacy communities
- Train and empower Europe's science diplomacy professionals
- Advance the frontiers of science diplomacy through research



Mission and Vision for European Science Diplomacy

A future European Framework for Science Diplomacy should contribute to:

1. Strengthening Europe's competitive position as a global science and technology actor,
2. Maximising the deployment of European research and innovation potential for the pursuit of peace and multilateralism,
3. Reinforcing Europe's commitment to managing global public goods and commons sustainably and achieving the Sustainable Development Goals.

Our vision for European science diplomacy is for it to become a key instrument in the EU's diplomatic toolbox, fostering peace, European competitiveness, and a safe, sustainable and prosperous future for all by harnessing the power of science and technology in a responsible way.

What next?

- Potential policy document still in 2025
(Council Recommendation on Science Diplomacy?)
- Horizon Europe call on consolidating European science diplomacy
- 2nd European Science Diplomacy Conference
(Copenhagen, 17-18 Dec. 2025)
- Workshops, Info Days, Virtual dialogues
(e.g., EU-South Africa Summit Declaration: *“We are also committed to cooperation between the Science Diplomacy Capital for Africa and initiatives implemented as part of the European Framework for Science Diplomacy.”*)



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Europe's strategy for international cooperation in a changing world *research security*

Jan-Marco MÜLLER

European Commission, DG RTD





ARES Spring School on Internationalisation
17 June 2025

Enhancing Research Security

in the context of the European Economic Security Strategy

European Commission
DG Research and Innovation
Mirko van Muijen

Enhancing Research Security

Setting the scene

- **Geopolitical context:** growing international tensions and increasing geopolitical relevance of research and innovation. All sectors confronted with hybrid threats and risks linked to international cooperation.
- Our Research and Innovation sectors are particularly vulnerable, because they have **openness** and **borderless cooperation** in their DNA.
- In some countries, academic freedom hardly exists, and researchers are being **instrumentalised for political and military purposes**.
- In this dynamic context, universities and other research performing organisations are navigating grey areas: cooperation may not be prohibited, but is it desirable? How to ensure that **international R&I cooperation is open and secure?**

Enhancing Research Security

Policy context

- Builds on the **Global Approach to R&I** (2021), **Toolkit on Tackling Foreign Interference** (2022) and expert-level work throughout 2023.
- Gained **political momentum** with launch of the **EU's Economic Security Strategy** in June 2023. Three pillars: promoting, protecting and partnering. R&I relevant in all three.
- On 24 January 2024, the Commission presented a proposal for a **Council Recommendation on Research Security**. Rationale: EU action needed because measures can only be effective if **consistently applied** across Europe, and because the integrity of the **European Research Area** is at stake
- After four months of negotiations, the 27 Ministers of Research **unanimously adopted** the Recommendation at the Council meeting of 23 May 2024

Enhancing Research Security

The European Approach: open *and* secure

- Although the Recommendation is not legally binding ('soft law'), it has **clear political significance**. With it, the EU has a common **reference point** with definitions, shared principles and guidance on what an effective and proportionate policy response looks like.
- It is built on **enhanced self-governance**: research performers are primarily responsible - "with academic freedom comes academic responsibility" - with public authorities **empowering the sector to take informed decisions** by providing information, guidance and support.
- Recommendations specifically address **public authorities, research funders, research performers** and the **European Commission**.

Enhancing Research Security

Definitions: what is research security?

- The **undesirable transfer of critical knowledge and technology** that may affect the security of the EU and its Member States, for instance if channeled to military or intelligence purposes in third countries
- **Malign influence on research**, where research can be instrumentalised by or from third countries in order to create disinformation or incite self-censorship among students and researchers infringing academic freedom and research integrity in the EU
- **Ethical or integrity violations**, where knowledge and technologies are used to suppress or undermine Union values and fundamental rights

Enhancing Research Security

Definitions: what is risk appraisal?

A process in which a combination of main risk factors is taken into consideration. **The combination of those factors determines the risk level**

1. **Risk profile of the EU-based organisation** entering into the international cooperation
2. **The R&I domain** in which the international cooperation is to take place
3. **Risk profile of the third country** where the international partner is based or from where it is owned or controlled
4. **Risk profile of the international partner organisation**: perform due diligence into the organisation you envisage to cooperate with

Enhancing Research Security

Principles for responsible internationalisation

- Which framework conditions should be taken into account when designing/ applying safeguarding measures?
 - Proportionality • **Academic Freedom** • Self-governance • As Open As Possible
 - Whole-of-government Approach • Avoid Protectionism • **No Discrimination or Stigmatisation**
 - Country-agnostic • **Risk-based** • Learning Approach •

These principles

- guide our work on research security
- can serve as a reference point in discussions at all levels on the issue

Enhancing Research Security

What research *performing* organisations should do

- Introduce **internal risk appraisal** and **due diligence procedures** for engaging in international cooperation
- Invest in in-house **research security expertise and skills** and **assign responsibility** within the organisation, develop awareness raising activities and training
- Ensure **transparency of funding sources** and **affiliations of research staff**
- To protect sensitive knowledge and research facilities, introduce **physical and virtual safeguards**, such as compartmentalisation and robust cybersecurity measures
- Consider **pooling resources** with other research performers to make best use of scarce resources and expertise

Enhancing Research Security

The role of research *funding* organisations

- Include **risk appraisal into funding application processes** encouraging beneficiaries to identify and assess risks up front
- For projects that are considered high risk, encourage beneficiaries to **agree on risk mitigation measures** and **seek assurances in the partnership agreements** with prospective foreign partners
- Ensure adequate **security expertise and skills** are available in or to the organisation
- Address **research security risks in partnership agreements**, such as MoU's, with foreign partners

Enhancing Research Security

Actions at national level

- Engage in a **dialogue with the sector** on a **coherent set of policy actions** and defining **responsibilities and roles**
- Take a **whole-of-government approach** to ensure that policymakers in the areas of research and innovation, security and foreign affairs work closely together.
- Create a **support structure** that provides researchers with **information, guidance and advice**, so that they can take informed decisions when engaging in international cooperation.
- Security and intelligence agencies provide **threat analysis** specific for the research and innovation sector.

Enhancing Research Security

EU-level support actions

The European Commission **supports the implementation and uptake of the recommendations** at national level, by:

- Working with Member States, Research Funders and EU-level stakeholder associations: research security is a priority action of the **ERA Policy Agenda 2025-2027**, adopted by the Council on 23.05.2025
- Developing several EU-level initiatives, including:
 - Report on progress through a **Research Security Monitor** (September 2025)
 - Co-organise with the sector, a biennial **European flagship conference** (28-30 October 2025)
 - Establish a **European Centre of Expertise on Research Security** (mid-2026)

Links

- -The [Council Recommendation on enhancing research security](#) as adopted on 23.05.2024
- -The Economic Security package of 24.01.2024, including a press release and a memo: [New initiatives to strengthen economic security](#)
- -Two dedicated factsheets: ['Who Does What?' Factsheet](#) and [Risk Appraisal Factsheet](#)
- -[ERA policy agenda 2025-2027](#) as adopted on 23.05.2025, which includes research security as a priority action

Thank you

Any questions?

#ResearchSecurity #OpenAndSecure



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Breakout session

11.00 – 11.30



Breakout session on Europe's strategy for international cooperation in a changing world

The breakout session serves to get a direct conversation with the representatives of the European Commission DG Research around

- "what is in it for me"?
- "how Europe's strategy for international cooperation could impact my research?"
- "how best can I use the available resources to advance my research?"
- "what contribution my international scientific networking could have to the European approach"?

3 break-out groups meet in different rooms

- Please make sure to be back in the plenary room by **11.30**



Coffee break 11.30 – 11.45



Global networking in practice

COST Near Neighbour Countries

Amani CHARRAD

Ministry of Higher
Education and Scientific
Research, Tunisia



TUNISIA AND COST: International Scientific Networking from a Near Neighbour Country Perspective

ISN WORKSHOP

Amani CHARRAD
Horizon EU – NCP for WIDENING and JRC
National COST correspondent
Ministry of Higher Education and Scientific Research



Setting the Scene: Country profile



- ❑ Official Name: Republic of Tunisia
- ❑ Geographic Location: North Africa (Mediterranean coast)
- ❑ Surface Area: 163,610 km²
- ❑ Climate: Mediterranean (north), semi-arid (south)
- ❑ Population (2023): ~12.3 million
 - Young and educated population (e.g., 31% under 30)
- ❑ Urban Population: ~70%
- ❑ GDP (Nominal, 2023): ~US\$ 49 billion
- ❑ Economic Classification: Lower-middle-income economy
- ❑ Main Sectors (% GDP): Services (~63%), Industry (~26%), Agriculture (~11%)
- ❑ Export Partners: EU (~75%, esp. France, Italy, Germany)
- ❑ Human Development Index (2022): 0.731 (Rank: ~97th globally)

Tunisia at a Glance: Research & Innovation Profile

- ❑ The National R&I System is coordinated by:
 - Ministry of Higher Education and Scientific Research (Research)
 - Ministry of Industry (Innovation)
- ❑ 0.6% of GDP to R&D
- ❑ Over 300 public and private R&D institutions, including 32 research centers and 680 research laboratories/units.
- ❑ Number of researchers: ~21 000 (~1 704 researchers per million inhabitants)
High **female participation** in research (~55% of researchers are women)
- ❑ National R&I priorities: alignment with Horizon Europe clusters
 1. Water, Energy, and Food Security
 2. Emerging democratic society: Education, culture, and youth
 3. Quality healthcare
 4. Digital and industrial transition
 5. Governance and decentralisation
 6. Circular Economy
- ❑ Growing ecosystem with 13 technoparks, 100+ incubators, and R&D-driven startups.
(National support programs for innovation (e.g. MOBIDOC, Startup Act...))



Tunisia Science, Technology, and Innovation Map

Academia

- Private Universities**
 - Ecole polytechnique internationale privée de Tunis (Polytechnic), Tunis
 - Ecole polytechnique privée, Sousse
 - Ecole privée d'ingénieurs, Sousse
 - Ecole privée de technologies de l'information et de management de l'entreprise (Time Université), Tunis
 - Ecole supérieure d'audiovisuel et de design, Tunis
 - Ecole supérieure des études administratives et commerciales, Sfax
 - Ecole supérieure des sciences appliquées et de la technologie privée de Gabès, Gabès
 - Ecole supérieure privée d'administration des affaires et de droit « Avicenne », Tunis
 - Ecole supérieure privée d'administration et de management, Tunis
 - Ecole supérieure privée d'ingénierie et de technologie (ESIT), Sousse
 - Ecole supérieure privée de technologie et de management (SUPTECH), Tunis
 - Université internationale de santé, Tunis
 - Université Mahmoud El Materi, Tunis
 - Institut des hautes études, Tunis
 - Institut des hautes études à Sousse, Sousse
 - Institut international de technologie, Sfax
 - Institut supérieur des sciences infirmières ELAND, Tunis
 - Institut supérieur des sciences infirmières de Sousse, Sousse
 - Institut supérieur privé des sciences infirmières (École de formation, Tunis)
 - Institut Tunis-Dauphine, Tunis (filiale de l'Université Paris Dauphine)
- Public Universities**
 - Université de Carthage
 - Université de Gabès
 - Université de Jendouba
 - Université de Monastir
 - Université de Sfax
 - Université de Sousse
 - Université de La Manouba
 - Université virtuelle de Tunis
 - Université Zitouna
 - Université de Kairouan
- Mediterranean School of Business, Tunis**
- Université arabe des sciences, Tunis**
- Université privée Tunis Carthage, Tunis**
- Université centrale, Tunis**
- Université Ibn Khaldoun, Tunis**
- Université internationale de Tunis, Tunis**
- Université méditerranéenne privée de Tunis**
- Université Montplaisir Tunis, Tunis**
- Université privée d'enseignement supérieur El Amel, Tunis**
- Université privée de l'aéronautique et des technologies, Tunis**
- Université privée de Sousse, Sousse**
- Université privée de technologie, Sousse**
- Université privée des arts et du design, Tunis**
- Université privée des sciences, arts et techniques de Sfax, Sfax**
- Université privée des sciences, arts et techniques de Tunis, Tunis**
- Université libre de Tunis, Tunis**

Research and Development institutions

- Institut National Zouhair Kalliel de Nutrition et de Technologie Alimentaire
- Institut Pasteur de Tunis
- Centre International des Technologies de l'Environnement de Tunis
- Centre d'Etudes et de Recherches en Télécommunications
- Institut National de la Recherche Agronomique de Tunisie
- Centre d'Etudes et de Recherches Economiques et Sociales
- Institut de l'Oliver
- Centre National de la Cartographie et de la Télédétection
- Centre de Recherches, d'Etudes, de Documentation et d'Information sur la Femme
- Institut de Santé et de Sécurité au Travail
- Institut National de Recherches en Génie Rural, Eaux et Forêts
- Centre de Recherches et d'Etudes de Sécurité Sociale
- Centre National des Sciences des Matériaux au Technopôle de Borj Cedria
- Centre de recherches en Microélectronique et Nanotechnologie au Technopôle de Sousse
- Centre de recherche en Economie Rurale au Technopôle de Sfax
- Institut National du Patrimoine
- Institut National de la Recherche Agronomique de Tunisie
- Centre de Recherche Et des Technologies des Eaux à la Technopôle Borj Cedria
- Centre de Recherches et des Technologies de l'Energie à la Technopôle Borj Cedria
- Centre de Biotechnologie à la Technopôle Borj Cedria
- Centre National des Sciences et Technologies Nucléaires
- Institut National de Recherche Et d'analyse Physico-chimique
- Institut National des Sciences et Technologie de la Mer
- Centre de Biotechnologie de Sfax
- Institut des Régions Arides

Policies, Strategies and legislations

- Support program
 - PMIN: Programme de mise à niveau
 - PCAM: Programme d'appui à la compétitivité des entreprises et à la facilitation de l'accès au marché - Coopération UE-Tunisie
 - PASRI: Projet d'appui au Système de recherche et d'innovation
 - PACS: Programme d'Amélioration de la Compétitivité des Services
 - Tunisie Digitale 2018 (a national strategy for economic transformation)
 - Loi d'orientation n°96-6 du 31/01/1996, (Law related to STI).

STI Financial Support

- Incentives for cooperation between companies and research structures
- Programme National de la Recherche et de l'Innovation (PNRI)
- Projets de valorisation des résultats de recherche (VRR)
- Incentives for the creation of innovative enterprises
 - Fonds de Promotion de la Décentralisation Industrielle
 - Régime d'Incitation à la Créativité et à l'Innovation dans le domaine des Technologies de l'Information et de la Communication (RIICTIC)
 - CapitalEase Seed Funds (promoted by Carthage Business Angels and managed by UGFS-NAI)
 - InitiaQ for Growth Fund (promoted by QFF and managed by UGFS-NAI)
- Incentives for Research
 - PIRD: Prime d'investissement en Recherche et Innovation
 - PRF: Programmes de Recherche Fédérés
 - ITP: Investissement Technologique Prioritaire
 - PEJC: Programme d'encouragement des jeunes chercheurs

Industrial Sector

- Business Representatives
 - INFOTICA: The National Federation of Technologies of Information and Communication
 - CONECT: Confederation of Tunisian Citizen Enterprises
 - CID: Centre des Jeunes Dirigeants
 - CJE: Centre des Jeunes Entrepreneurs (ACE)
 - CBA: Carthage Business Angels

Science Clusters

- Cluster Dattes: Pôle Djerid
- Cluster huile d'olive: Complexe Industriel et technologique du Kef
- Cluster Géothermie: Pôle Industriel et Technologique de Gabès
- Cluster Microélectronique: Pôle de compétitivité de Sousse
- Scientific Society
 - Association Tunisienne pour l'Information Scientifique
 - Association Tunisienne de Biotechnologie
 - Association pour le Développement de la Recherche et de l'Innovation
 - Tunisian Association for the Advancement of Science, Technology and Innovation
 - Association Tunisienne des professionnels en Marketing
 - Association Tunisienne pour la communication et la technologie (TACT)

Related Ministries

- Ministry of Industry, Mines and Energy
- Ministry of Higher Education & Scientific Research
- Ministry of Trade & Handicraft
- Ministry of Information Technologies and Digital Economy
- Ministry of Health
- Ministry of Environment and Sustainable Development
- Ministry of Vocational Training & employment
- Ministry of Agriculture
- Ministry of Transport
- Ministry of Development, International Cooperation & Investment
- Ministry of Finance
- Presidency of the Government (Prime Minister)

Technology Transfer Offices

- University TTO (under the supervision of the ANPR)
 - BUTT Université de Tunis
 - BUTT Université de Carthage
 - BUTT Université de Manouba
 - BUTT Université Tunis Manar
 - BUTT Université de Monastir
 - BUTT Université de Kairouan
 - BUTT Université de Jendouba
 - BUTT Université de Gabès
 - BUTT Université de Gafsa
 - BUTT INRAP
 - BUTT DGET
 - BUTT Université de Sousse
 - BUTT Université de Sfax
 - National TTO ANPR
- Independent TTO (Bureau de Transfert de Technologies)
 - BUTT Pôle de compétitivité de Bizerte
 - Dett Centre technique de la Chimie CTC
 - BUTT Institut Pasteur de Tunis
 - BUTT CBS, Centre de Biotechnologie de Sfax
 - BUTT CRITN, Centre des Recherches et des Technologies de l'Energie
 - BUTT CITET, Centre International des Technologies de l'Environnement de Tunis

STI Support: Organizations, Programs and Initiatives, Calibrations and Certifications Bodies

- Technical Centers**
 - Centre Technique de l'Industrie du Bois et de l'Ameublement
 - Centre Technique des Industries Mécaniques et Electrique
 - Centre Technique de la Chimie
 - Centre Technique du textile
 - Centre National du Cuir et de la Chaussure
 - Centre Technique de l'Agroalimentaire
 - Centre Technique des Matériaux de Construction, de la Céramique et du verre
 - Centre Technique de l'Emballage et du Conditionnement
 - Centre Technique des Céréales
 - Centre technique de pomme de terre
 - Centre Technique d'Aquaculture
- Calibration & Certification bodies**
 - TUNAC: The National Board of Accreditation
 - ANM: National Metrology Agency
 - LCAE: Laboratoire Central des Analyses et Essais (LCRE)
 - DGPCQA: Direction Générale de la Protection et Contrôle de la Qualité des Produits Agricoles
- Technoparks**
 - Textile et habillement
 - Eco-Industries/Ecotechnologies
 - Chimie Verte et Traitement des eaux
 - Technologies de la communication
 - Biotechnologie appliquée à la santé et Industries Pharmaceutiques
 - Energie renouvelable, Eau et Environnement et Biotechnologie végétale
 - Industrie Agro-alimentaire
 - Mécatronique, électronique et informatique
 - TIC et Multimédias

Business Sector

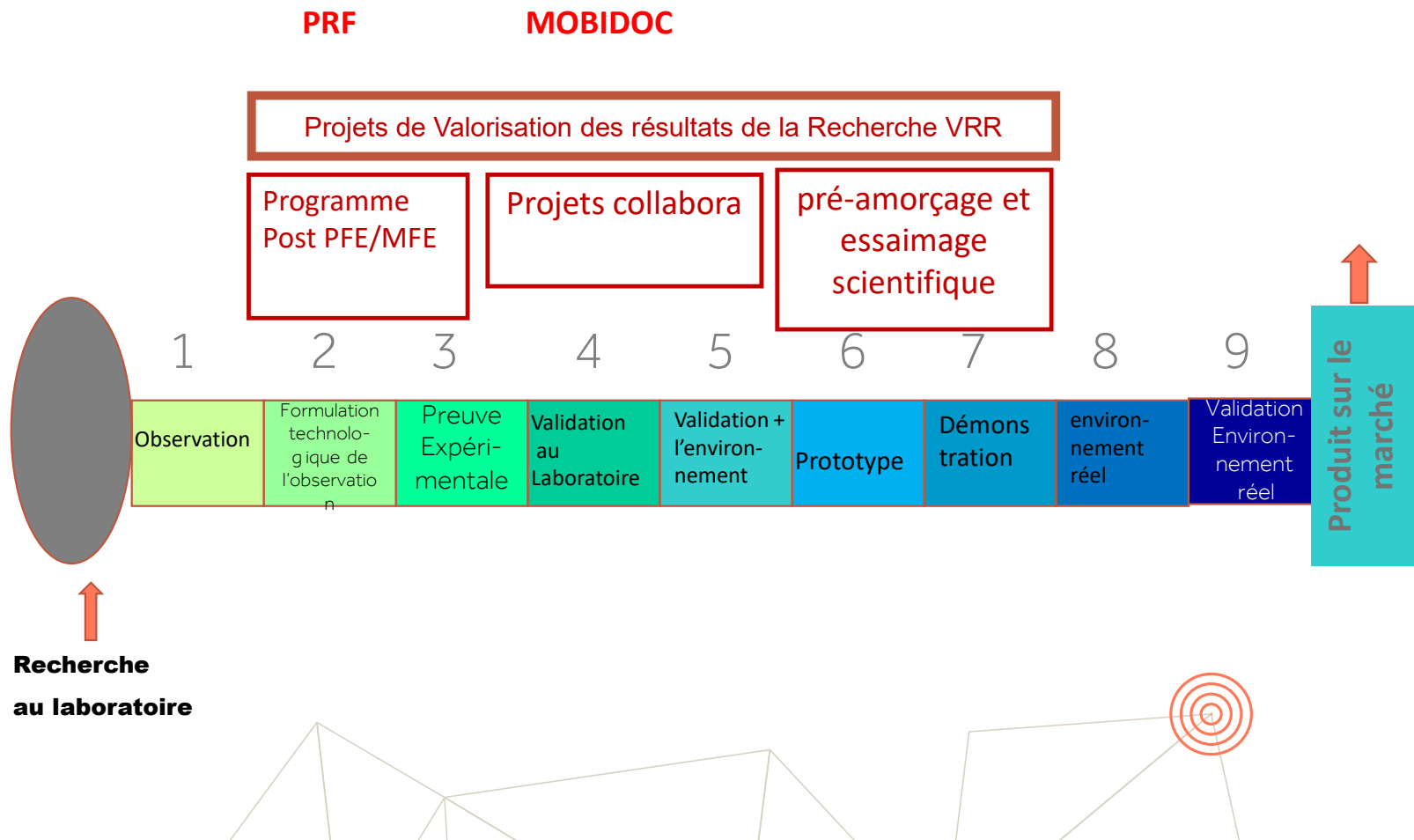
- Incubators and Accelerators
 - Mahdia Entreprendre
 - Pépinière de Bizerte
 - Kebili Initiative Création
 - Zaghouan Terre d'entreprendre
 - Centre d'Innovation et de Développement
 - Carthage Innovation (EPT)
 - Sfax Innovation II
 - Manouba Tech
 - Pépinière de Sidi Bouzid
 - Béja Essor technologique
 - Siliana Innovation
 - Pépinière de Kasserine
 - Tataouine Innovation Technologique
 - Oued Entreprendre Djavid
 - Soft tech
 - Pépinière d'Entreprises de la Technopôle de Sfax
 - Wilt Start Up
 - Esprit Incubator
 - InitiaQ
 - BoostQ
- Business Centers
 - Centre d'affaires de Tunis
 - Centre d'affaires de Ben Arous
 - Centre d'affaires de l'Ariana
- Centre d'affaire de Sousse
- Centre d'affaire de Kairouan
- Centre d'affaires de Sfax
- Centre d'affaires de Gabès
- Centre d'affaires de Gafsa
- Centre d'affaires de Jendouba
- Centre d'affaires de Kasserine
- Centre d'affaires de Kébili
- Centre d'affaires de Mahdia
- Centre d'affaires de Manouba
- Centre d'affaires de Mèdenine
- Centre d'affaires de Nabeul
- Centre d'affaires de Sidi Bouzid
- Centre d'affaires de Siliana
- Centre d'affaires de Tozeur
- Centre d'affaires de Zaghouane
- Centre d'affaires du Kef
- Centre d'affaires de Tataouine



Disclaimer:
"The United Nations is not responsible for the data quality or comprehensiveness presented in this document that was compiled through the best available resources and information to the UN ESCWA Technology Center"

Tunisia STI Map Ver. (1), February 2016
UN ESCWA Technology Center in Cooperation with the National Agency for the Promotion of Scientific Research (ANPR)
Tunis - Tunisia

Research & Innovation mechanisms

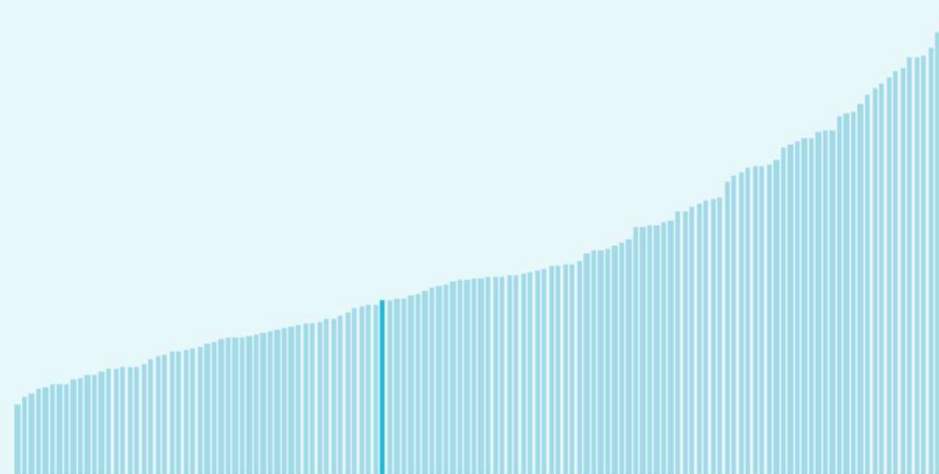


Research & Innovation performance

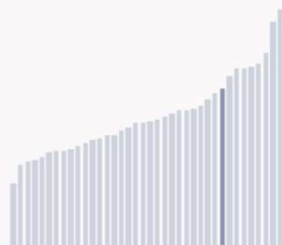
Tunisia ranking in the Global Innovation Index

Tunisia ranks **81st** among the 133 economies featured in the GII 2024.

The Global Innovation Index (GII) ranks world economies according to their innovation capabilities. Consisting of roughly 80 indicators, grouped into innovation inputs and outputs, the GII aims to capture the multi-dimensional facets of innovation.



Tunisia ranks **9th** among the 38 lower-middle-income group economies.

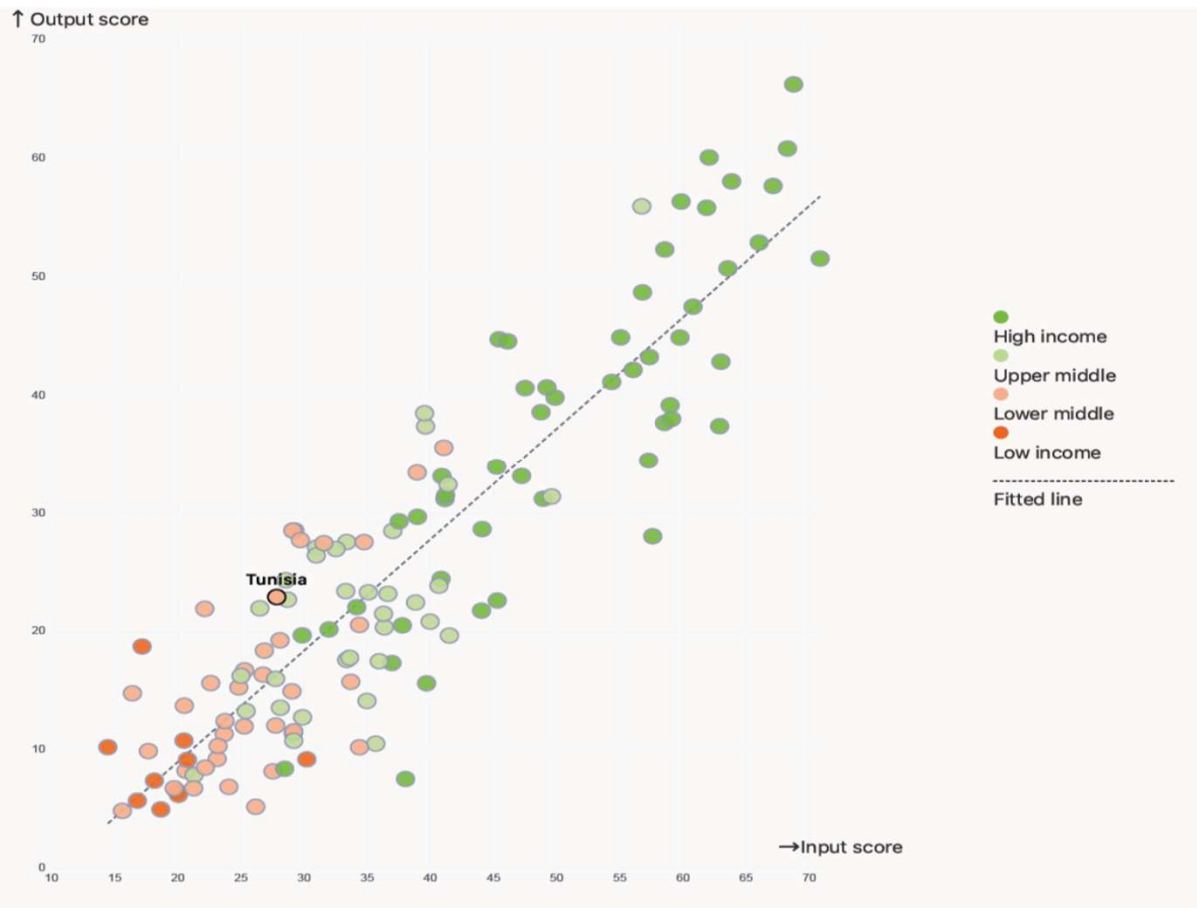


Tunisia ranks **14th** among the 18 economies in Northern Africa and Western Asia.



Research & Innovation performance

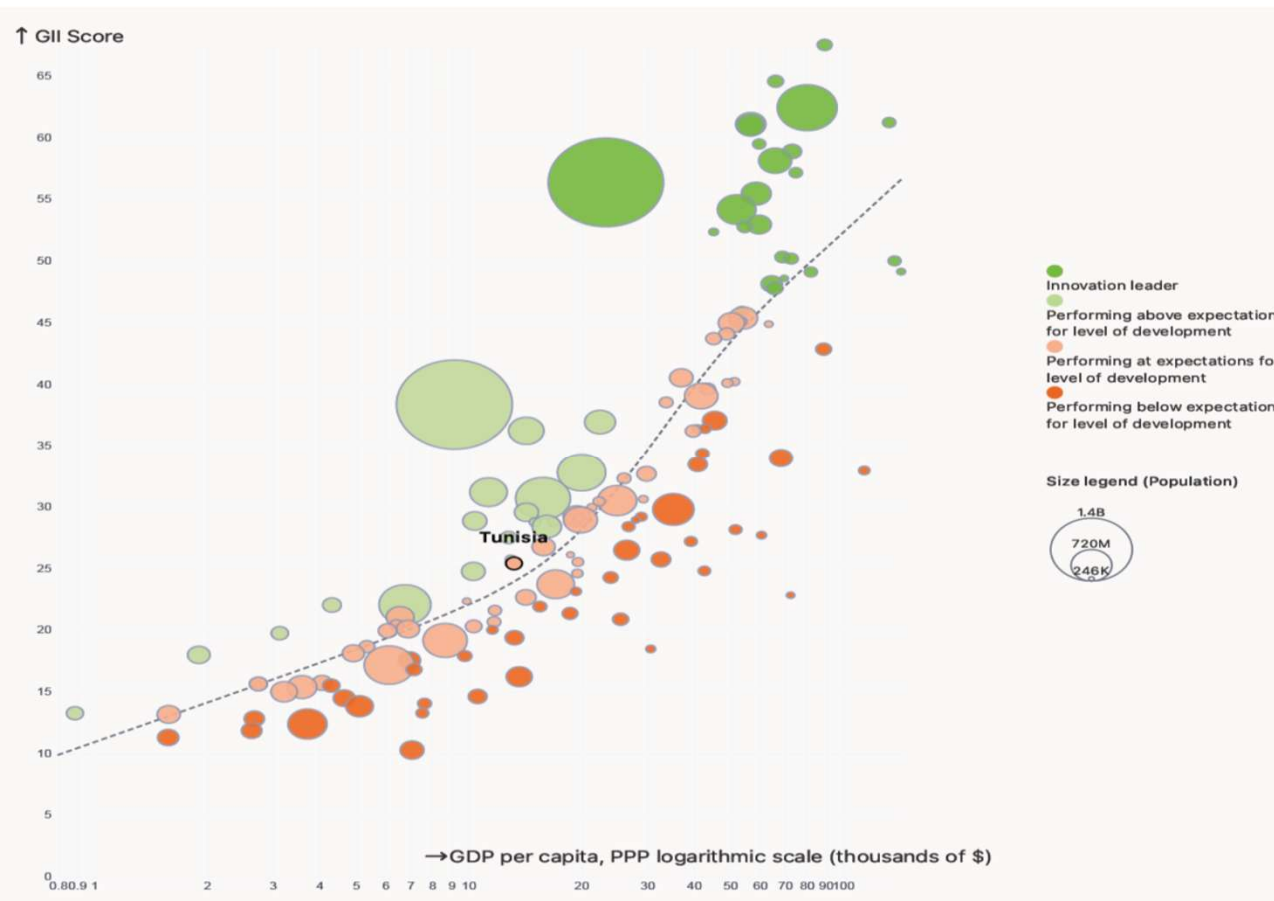
Relation entre les intrants de l'innovation et les extrants de l'innovation



Tunisia produces more innovation results compared to its level of investment in innovation

Research & Innovation performance

Relationship between income levels (GDP per capita) and innovation performance (GII score)



Tunisia is among the top-performing countries in innovation relative to their economic development level

International Cooperation

The European Union and Tunisia :

- ✓ The EU and Tunisia signed an Association Agreement in 1995
- ✓ The EU – Tunisia Privileged Partnership established in 2011
- ✓ The 2016 Joint Communication "Strengthening EU support for Tunisia" and the launch of the EU-Tunisia Youth Partnership
- ✓ 2016 – Tunisia – Association to H2020
- ✓ 2017 - Tunisia joins the Creative Europe Programme
- ✓ 2022 – Tunisia – Association to Horizon EU
- ✓ Active participation in COST Actions, PRIMA, Erasmus+, AU-EU Innovation Agenda.





1st Associated country to FP-H2020 and Horizon EU



South Mediterranean



Arab countries

Africa

Tunisia's association to Horizon Europe

Signing Ceremony

March 29, 2022





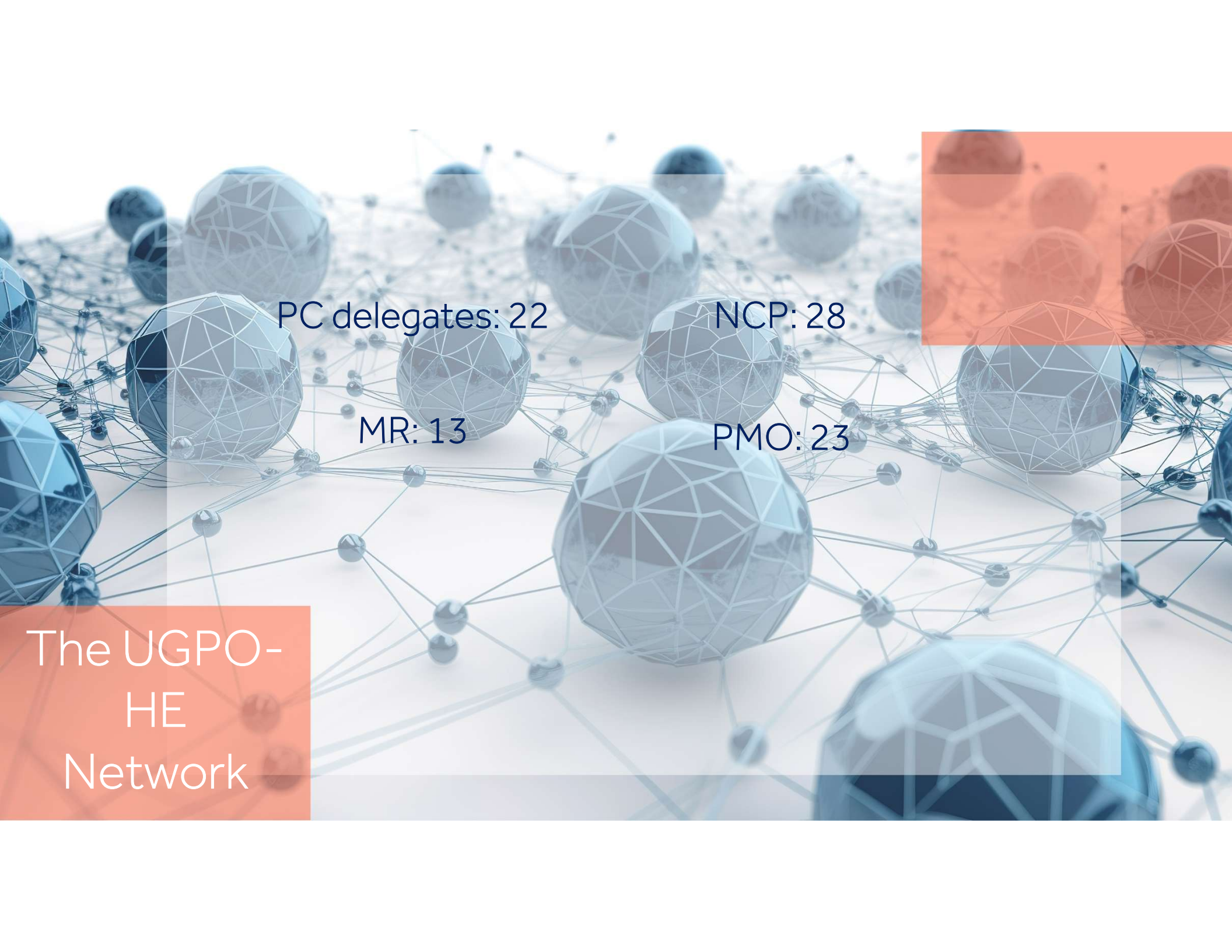
**As a Horizon Europe Associated country,
Tunisia is part of the European Research
Area (ERA)**

THE UNIT FOR THE MANAGEMENT OF HORIZON EUROPE (UGPO-HE)

**MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH**

- 1. Negotiation and follow up of Tunisia's participation to HE**
- 2. Promotion of Horizon Europe among the R&I community**
- 3. Embed the Tunisian R&I system into the European Research Area (ERA)**





PC delegates: 22

NCP: 28

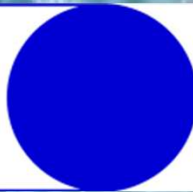
MR: 13

PMO: 23

The UGPO-
HE
Network

GAINING ACCESS to NCP NETWORKS

MSCA-NET



CARE
4 BIO

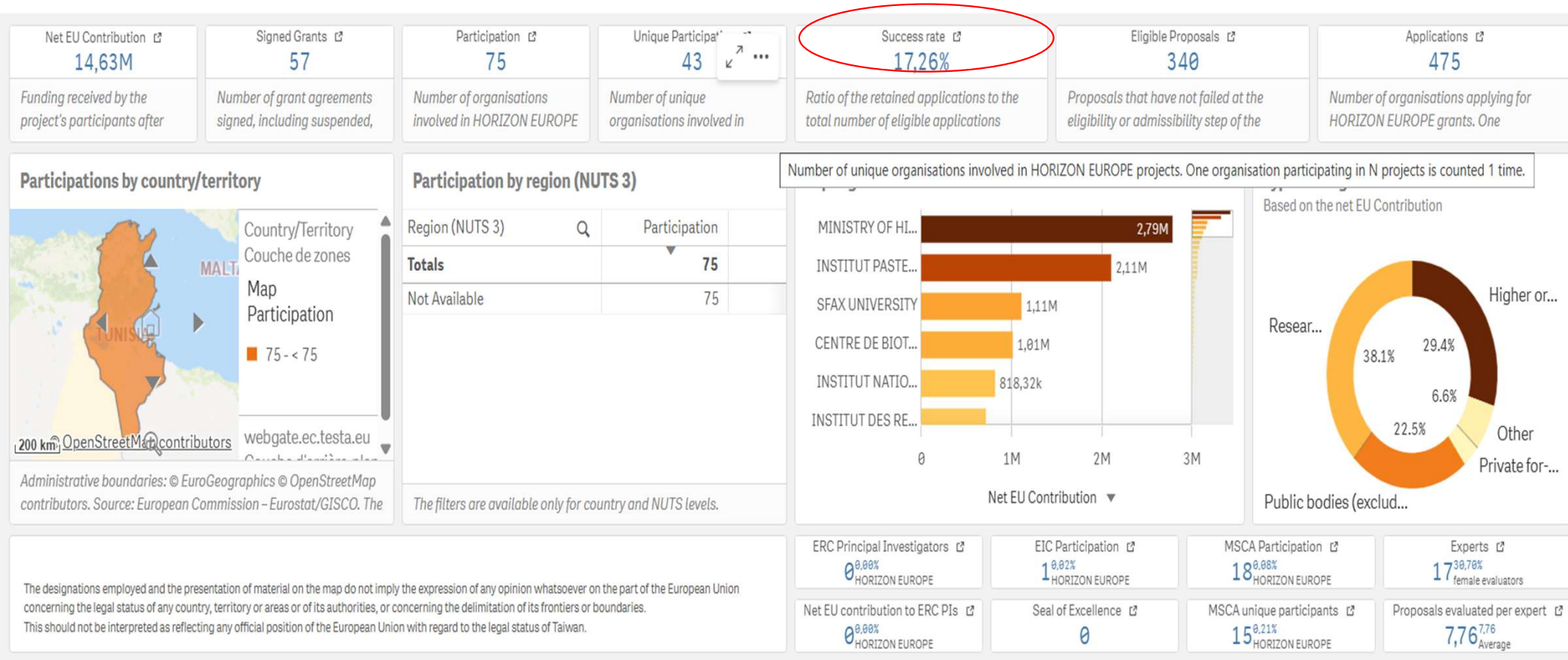


HORIZON
academy NCP4HE

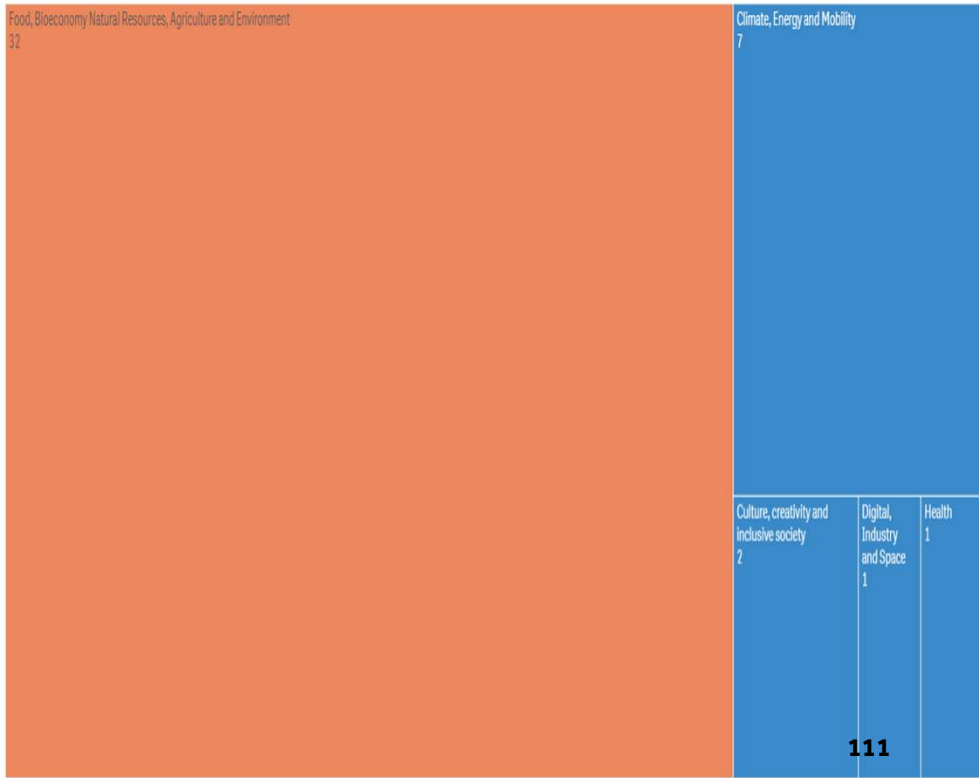
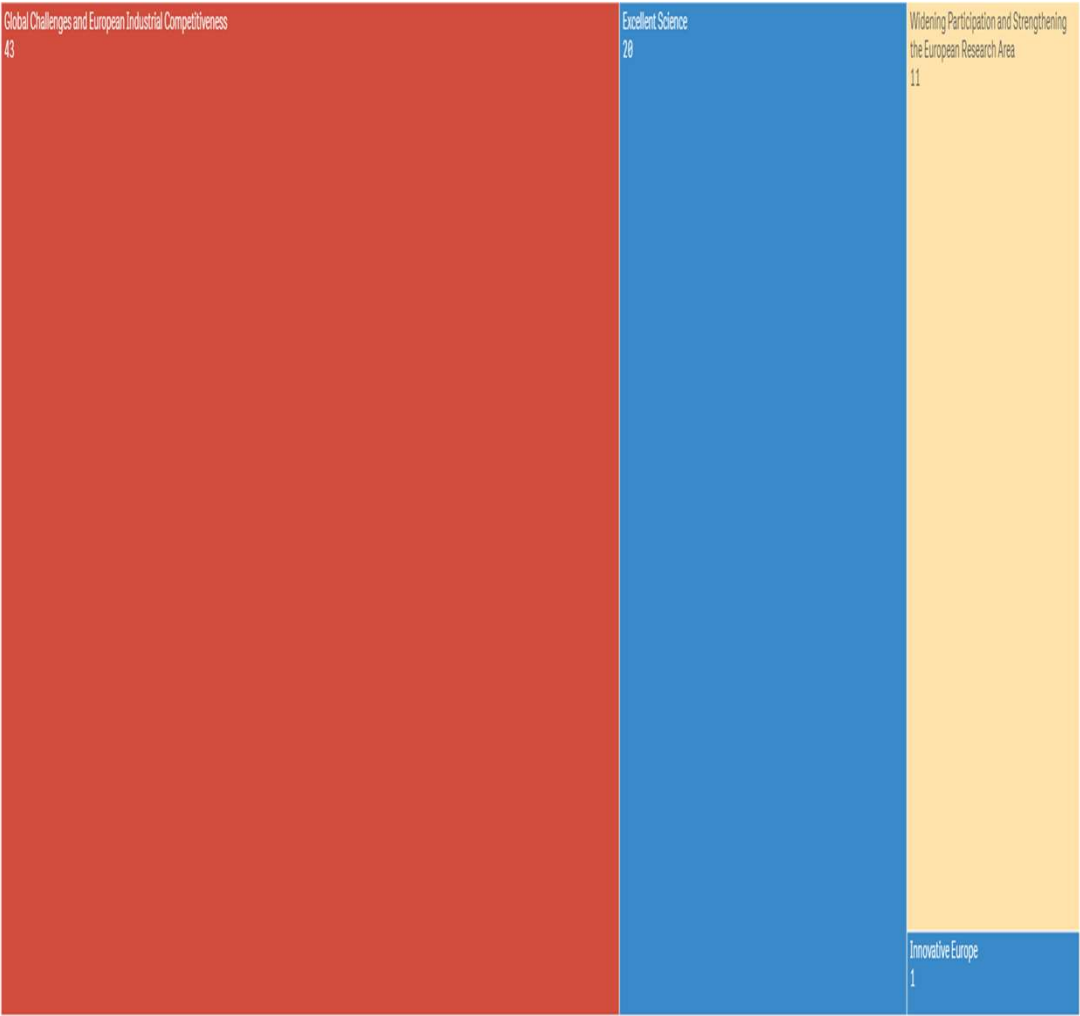


NCP
WIDERA.NET

Tunisia's participation in Horizon EU: Key figures



Tunisia's Participation in Horizon EU per pillar:

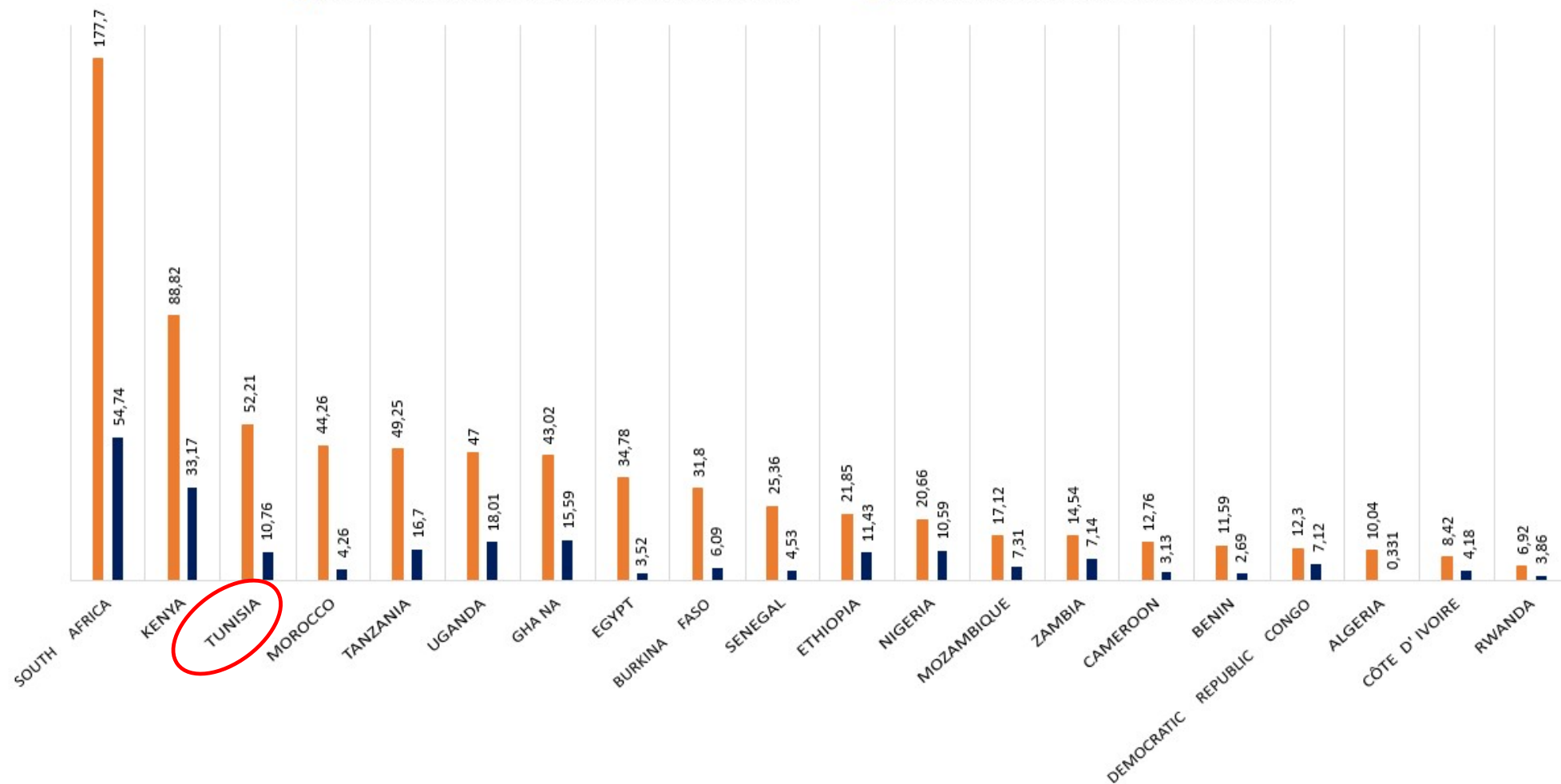


* L'ensemble de données contient des valeurs négatives ou égales à zéro impossibles à afficher dans ce graphique.

NET EU CONTRIBUTION (ALL FRAMEWORK PROGRAMS / HORIZON EUROPE)

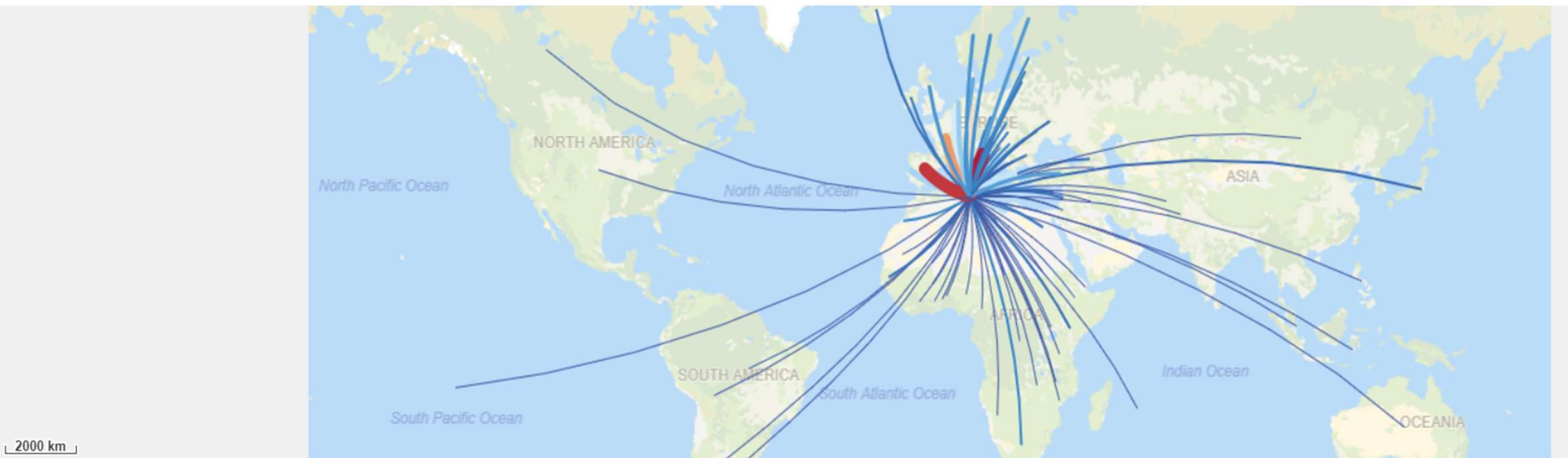
■ Net EU contribution (All framework programs) / Million Euro

■ Net EU contribution - Horizon Europe / Million Euro



International and Bilateral cooperation with EU, Africa, MENA, Asia....

Collaborations by Country/Territory



Country/Territory - [Collaborative Country/Territo...
Couche de lignes

webgate.ec.testa.eu
Couche d'arrière-plan

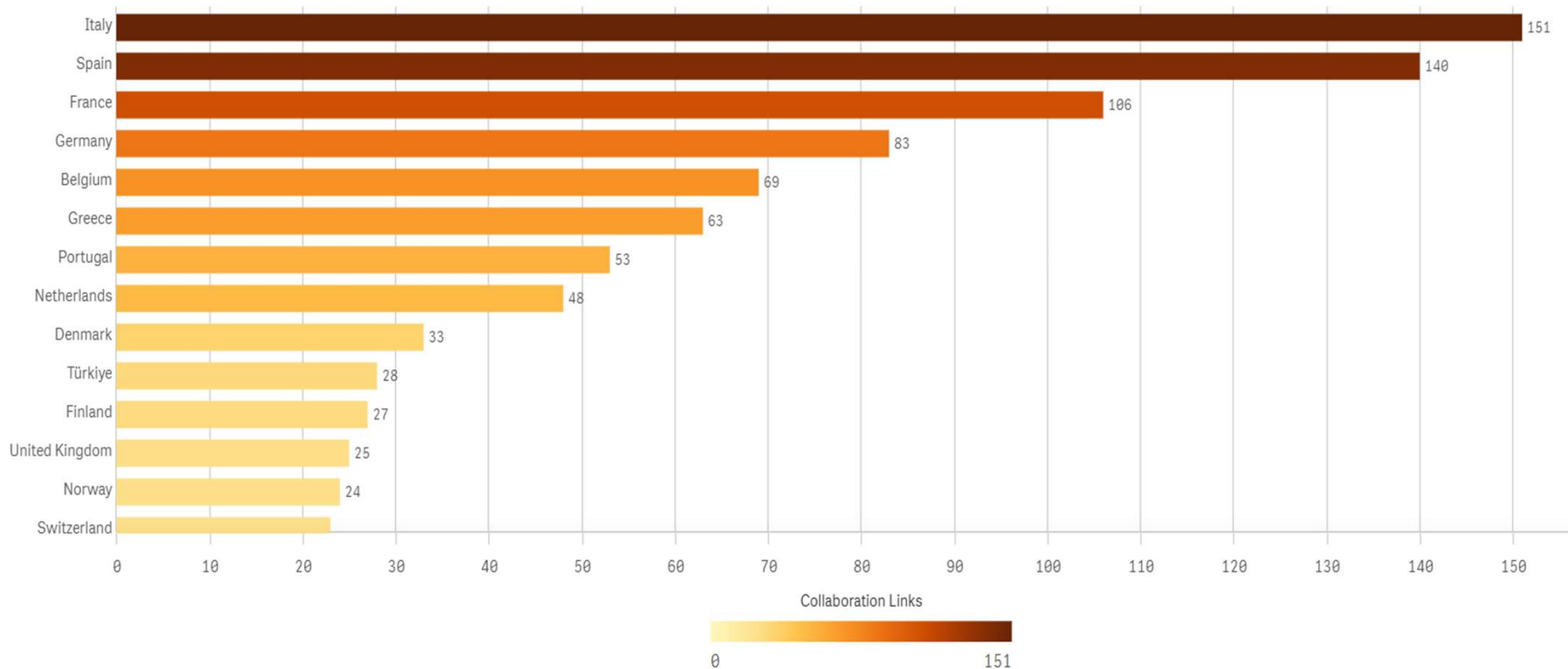
Collaboration Links



Bilateral cooperation with EU, Africa, MENA, Asia....

Top Collaborations

Collaboration links in the projects where Tunisia is involved



Tunisia's strategic rôle :

- ❑ Strategic geographical, cultural and scientific position

Tunisia is a gateway between Europe, Africa, and the Arab world, offering a unique vantage point for regional and cross-continental research collaboration.

- ❑ Aligning with EU Global Approach & Africa-EU R&I partnership

- ❑ A Science Diplomacy Hub

- ❑ Strategic role in the Mediterranean and African research ecosystem

- ❑ Contributor to global challenges: water scarcity, energy, climate



Opportunities to Collaborate with Tunisian R&I Actors

1. Partner with Tunisia in EU, Regional & International Research Programs

- ❑ **Horizon Europe** (Association since 2021)
 - Tunisian institutions can **join consortia as full partners** (including in Pillar II, WIDERA, MSCA, ERC).
 - Potential areas: climate resilience, renewable energy, digital innovation, health systems, and sustainable agriculture.
- ❑ **COST Actions**
 - Tunisia is the **most active Near Neighbour Country (NNC)**.
 - Invite Tunisian researchers to join **working groups, short-term scientific missions, or training schools**.
- ❑ **PRIMA Programme** (Partnership for R&I in the Mediterranean Area)
 - Ideal for **Euro-Mediterranean cooperation** on water, agri-food systems, and sustainable agriculture.
- ❑ **AU-EU Innovation Agenda**
 - Collaborate on joint R&I projects addressing **Africa–Europe shared challenges**.
- ❑ **UNESCO, IAEA, ISESCO, and bilateral frameworks**
 - Tunisia actively engages in **multilateral science diplomacy platforms**.





Opportunities to Collaborate with Tunisian R&I Actors

2. Host or Co-Organize Scientific Events in Tunisia

- ☐ Organize **COST Action workshops**, training schools, or STSMs in **Tunisian universities or research centers**.
- ☐ Partner with national institutions to host:
 - **Thematic conferences** (e.g., climate, AI, health, circular economy)
 - **Hackathons, innovation fairs, or living labs**
- ☐ Use Tunisian technoparks, hubs, or **UNESCO Chairs** as venues.

* *Hosting events in Tunisia enhances inclusion of Mediterranean and African researchers, and provides access to real-life field applications.*



Opportunities to Collaborate with Tunisian R&I Actors

3. Use Tunisia as an R&I Living Lab or Experimental Field

Tunisia offers diverse environments and unique advantages for piloting technologies:

Field	Tunisian Advantage
Climate & Water	Semi-arid zones, saline soils, water stress – ideal for climate R&D
Agritech	Testbeds for resilient crops, smart irrigation, agro-ecological methods
Health	Demographic transitions, dual burden (infectious/noncommunicable diseases)
Renewables	High solar irradiance; targets for 30% renewable by 2030
Digital Transition	Growing startup ecosystem, 5G rollout, AI experimentation



Opportunities to Collaborate with Tunisian R&I Actors

4. Support Research Mobility and Capacity Building

- ❑ Offer co-supervision of PhDs, researcher exchanges, and summer schools.
- ❑ Use CALLS such as Erasmus+ ICM, MSCA staff exchange, and TWINNING to foster long-term collaboration.
- ❑ Tunisia has strong female researcher participation and a highly skilled youth – invest in future science leaders.



Opportunities to Collaborate with Tunisian R&I Actors

5. Develop Innovation Partnerships

- ❑ Partner with Tunisian startups, fablabs, and incubators on joint prototyping or market validation.
- ❑ Tunisia's innovation policy encourages:
 - Research valorisation
 - IP co-development
 - Public-private collaboration

 Tunisia is ideal for piloting solutions at the intersection of science, innovation, and local impact.



Takeaway Message

- ✅ **Tunisia is not just a collaborator – it's a bridge** between Europe, Africa, and the Mediterranean.
- It offers science-ready talent, institutional openness, and real-world testing grounds for innovative solutions.
- **Join forces with Tunisian R&I actors** to co-create, co-publish, and co-innovate for mutual benefit.



Amani MAHJOUBI CHARRAD

Horizon EU-National Contact Point for
Widening participation and Strengthening the European Research Area
(WIDERA)

Joint Research Centre (JRC)
COST National correspondent

amani.charrad@anpr.tn
amani.charrad@gmail.com

Unit for the Management of the European Framework-programmes
for Research and Innovation, MHESR
<http://www.horizon-europe.tn>

Thank you for your attention.



Global networking in practice

South Africa

Eudy MABUZA
Embassy of The Republic
of South Africa



***COST international
scientific networking
workshop –
South African
perspective***

***20 June 2025
Brussels***

**Ms Eudy Mabuza
SSTIR, Brussels**



**science, technology
& innovation**

Department:
Science, Technology and Innovation
REPUBLIC OF SOUTH AFRICA



Overview

- South Africa's Decadal Plan for Science and Innovation
- “Expanded and Strategic Internationalization”
- Leverage on South African science and economic diplomacy
- SA-EU Cooperation



MTDP 2024 - 2029

MTDP Strategic Priority 1: Inclusive economic growth and job creation

- **Expanded and Transformed STI Capacity:** Investment in research infrastructure, skills development, and inclusive human capabilities.
- **Innovation and Commercialisation Support:** Strengthening support to innovators and SMMEs, including grassroots and township-based enterprises.
- **Increased R&D Investment:** Mobilising public-private partnerships and incentives to boost national STI funding.
- **Industry Competitiveness:** Driving R&D-led innovation in key sectors to enhance productivity and create new markets and jobs.

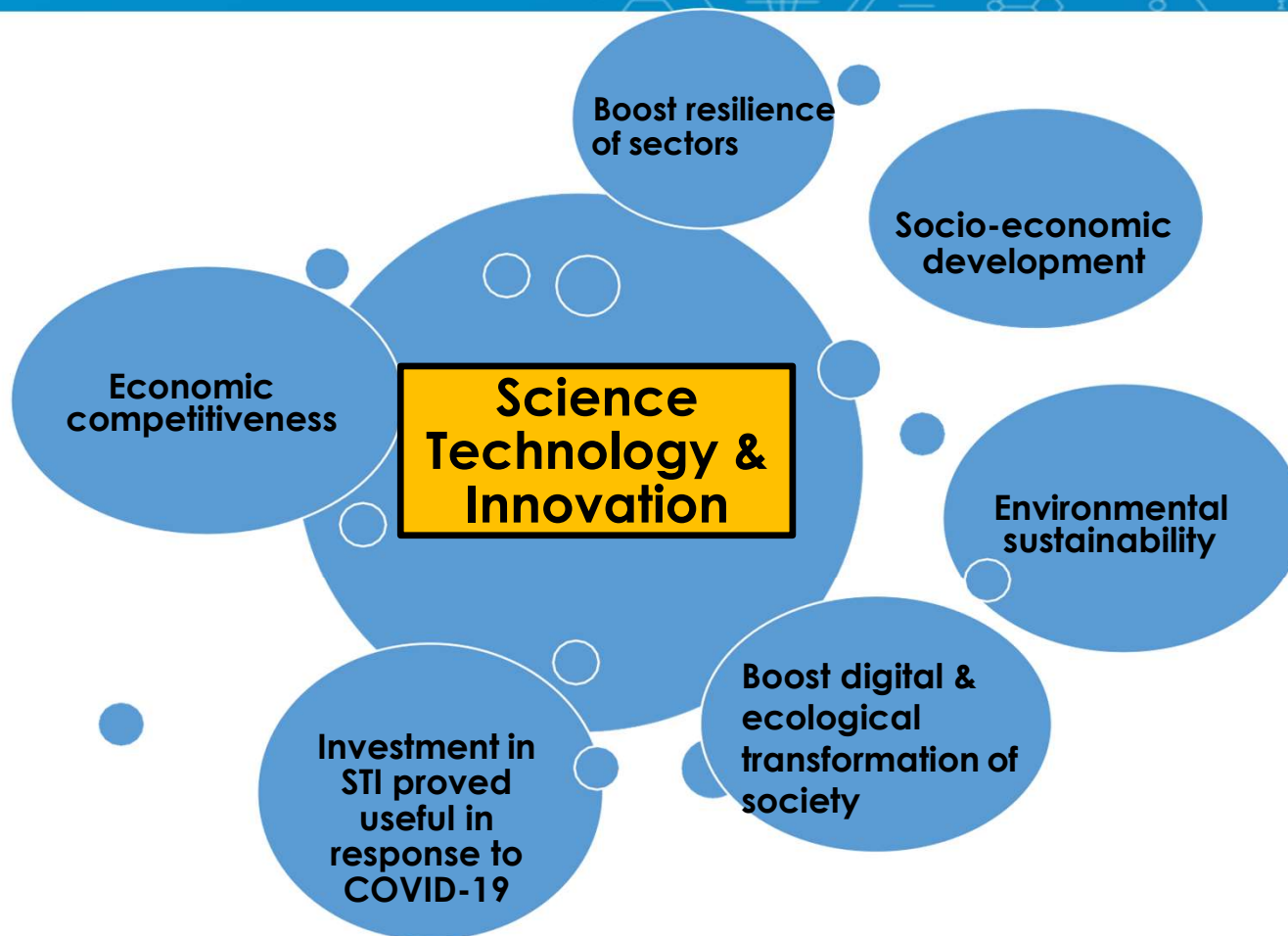
MTDP Strategic Priority 2: Reduce poverty and tackle the high cost of living

- **Access to Essential Technologies:** Promoting affordable, locally developed innovations in health, water, sanitation, housing, and energy to improve quality of life and reduce living costs.

MTDP Strategic Priority 3: Build capable, ethical, and developmental state

- **Strengthened NSI Governance:** Enhancing coordination, oversight, and partnerships across the innovation system for greater impact.
- **Evidence-Informed Policymaking:** Embedding STI-based insights into planning and decision-making across all levels of government.

The role of STI in Economic Recovery



The 2022-2031 STI Decadal Plan

- Responds to the Economic Reconstruction and Recovery Plan & the Sustainable Development Goals
- Premised on a **whole-of-government / society approach** to science and innovation
- Decadal Plan thematic content is arranged around **multi-disciplinary societal** grand challenges
- **Supported by expanded and strategic internationalization; partnerships and cooperation**

Decadal Plan priorities

Societal Grand Challenges:

1. Climate change and environmental sustainability
2. Future-proof education and skills
3. The future of society

Enablers / Cross-cutters:

1. Human Capabilities Development
2. Infrastructure expansion and modernisation
3. **International Cooperation and Relations**

Research & Innovation Programmes to:

1. Exploit new sources of growth (The Circular Economy, The Digital Economy, Indigenous Knowledge Systems)
2. Modernise existing industries (**agriculture**, **mining** and **manufacturing**)
3. Address Health challenges
4. Address Energy challenges
5. STI-enabled capable state (improve government decision making and service delivery)



✓ **Innovation partnerships** – beyond traditional R&D cooperation

✓ **Transformation:**

- Historically disadvantaged institutions / individuals
- Gender, race and youth

✓ **Communication**

Science knows no borders

As international cooperation is “imperative”, Decadal Plan proposes a **science –economic diplomacy strategy**, leveraging a diverse portfolio focused on strategic objectives:

- **Share in international experience and expertise:** collaborative R&D, researcher training and mobility, etc. with strategic partners
- **Leverage foreign investment in South Africa** and joint investment with international partners
- **Advance African agenda** for science, technology and innovation (African Union / Southern African Development Community)
- **Influence international science priorities** in support of national priorities and foreign policy (Sustainable Development Goals)



Internationalisation in Decadal Plan

Expanded and strategic internationalisation:

- **Transformative** international joint research and innovation engagements
- More **inclusive** participation, impact and cooperation
- Building human resources through **international mobility**
- Strengthening and growing research **infrastructure** capabilities
- Promoting and enhancing **STI capabilities**
- Stimulating **STI and trade** synergies
- Attract STI **foreign investment**

Drivers Science Diplomacy

- Enables the **sharing of experience, expertise** (e.g. policy best practice) and resources with international partners to bolster national programmes
- **Leverages international funding** to complement and supplement national investments
- Accesses opportunities for international **training and mobility** to develop human capability in South Africa
- Supports South Africa's **influence in global governance** forums
- Facilitates access to international markets as part of **economic diplomacy**
- Reinforces South Africa's **foreign policy objectives**

DSTI Science Diplomacy Priorities

- Alignment international cooperation with national priorities – specifically with regard to foreign funding
- Partnerships:
 - African agenda
 - South – South cooperation
 - EU and Global North
 - Multilateralism and SDGs
 - Global research infrastructures, e.g. SKA



Science & Economic Diplomacy

- science diplomacy as an **enabler** of SA's economic competitiveness
- Science diplomacy - **conduit** for driving the competitiveness of sectors in which South Africa retains a comparable and competitive advantage
- **synergies** between science and economic diplomacy and trade - SMMEs in traditional and new sectors of the economy, to enter regional, continental and global value chains and gain access to international markets.
- The African Free Trade Continental Area - opportunities for South Africa and counterparts – to tap into new markets
- International partnerships will be engaged (including the EU and others in Europe) to facilitate strategic engagements in this regard

Stimulating STI and trade synergies

- SA's science diplomacy will need to move from science-related initiatives to specific innovation and commercialisation initiatives.
- draw on science diplomacy as an enabler to:
 - improve opportunities for technology diffusion
 - promote the commercialisation in foreign markets of IP filed in SA by technology start-ups and SMMEs supported by the DSTI;
 - promote the commercialisation of publicly funded IP beyond SA's borders;
 - make innovation and economic diplomacy the conduits for driving industrialisation and economic competitiveness

Through working with international partners

- ***From science and innovation perspective***

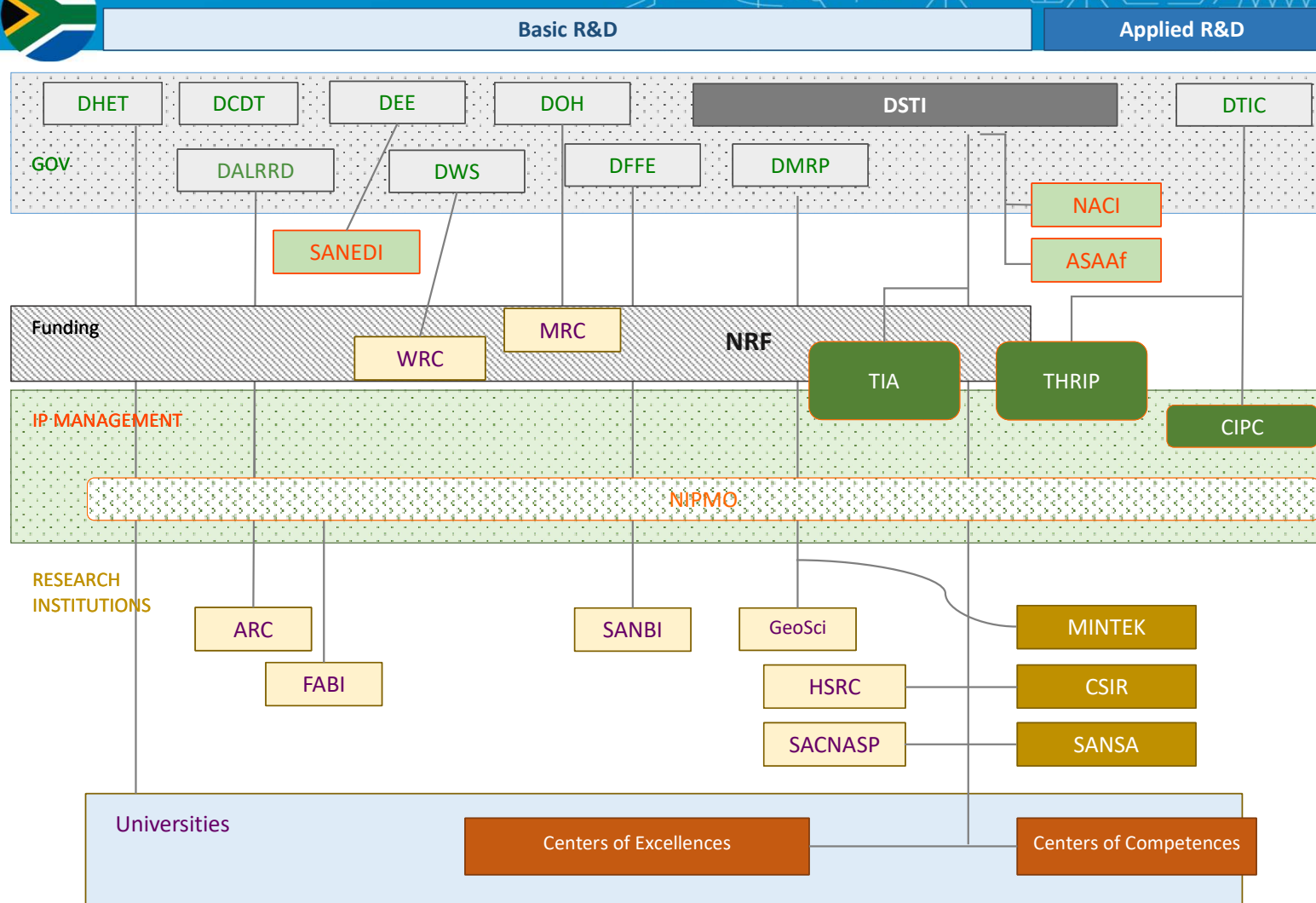
- Access to international markets for NSI developed products and services – new revenue streams, greater financial stability and sustainability for NSI actors
- Enable new (innovation) partnerships for further product and service development

- ***From an international trade perspective***

- Use R&D cooperation to explore, penetrate and develop new markets
- Leverage R&D cooperation to inform standardization, regulatory and governance frameworks



South African Science Landscape



Department of Science, Technology and Innovation Entities



SA – EU Cooperation

- S&T Agreement signed in 1996
- SA-EU Summit → JCC → JSTCC

- Facilitated SA's participation in the Framework Programme:

-  Framework Programme 6
-  Framework Programme 7
-  Horizon2020
-  Horizon Europe

SA/DSI Support

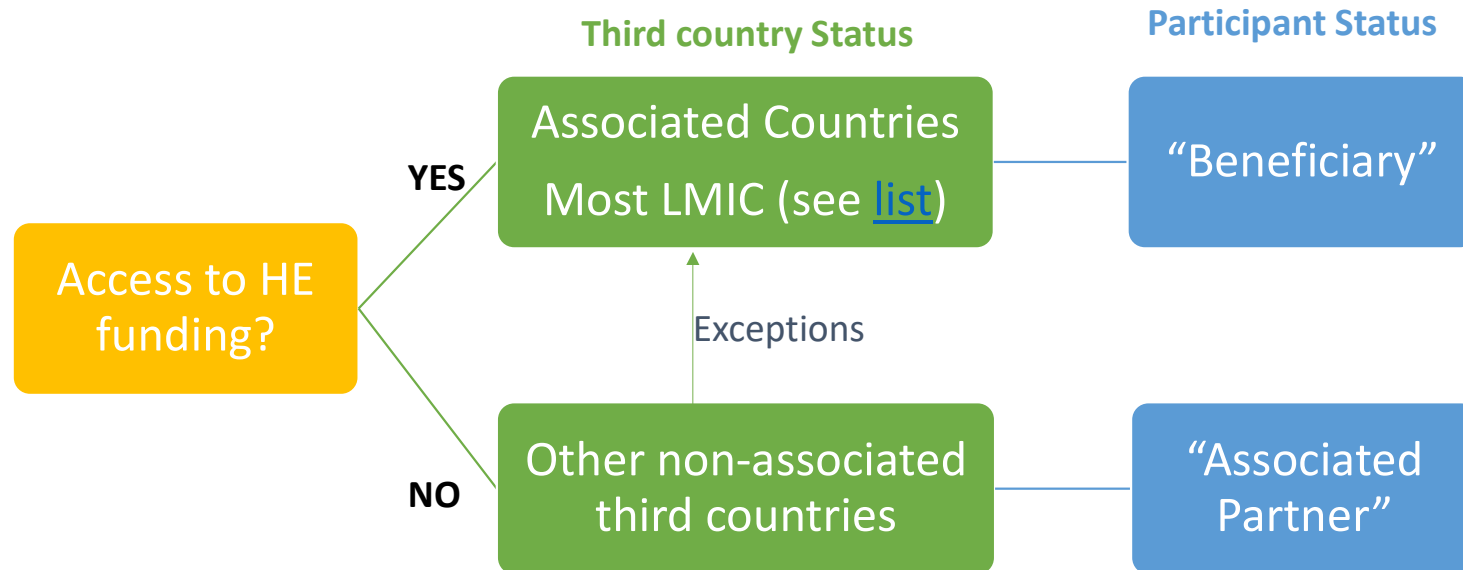
- NCP → DSI Brussels Office → ESASTAP



Modalities for third country participation and funding

✓ Cooperation with non-associated third-country entities typically carried out by:

- participation of non-associated third country entities in Horizon Europe projects
- coordination or twinning of Horizon Europe projects with projects funded by third countries



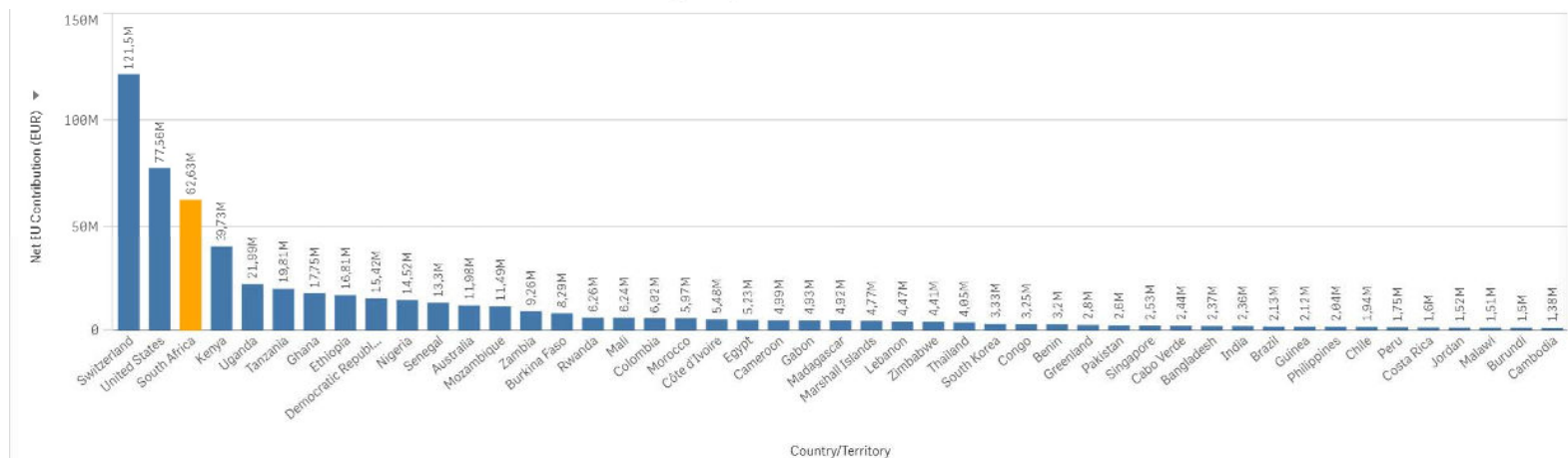


Overview of
South Africa's
participation in Horizon
Europe thus far

South Africa in Horizon Europe among Non-EU countries, thus far (Associated countries included)

South Africa ranks **3rd** for **budget** and **5th** for **participations** among “Non-associated third countries”

HORIZON EUROPE Contribution (EUR) to Non Associated-Third Countries/Territories



South Africa – Horizon Europe



Key figures

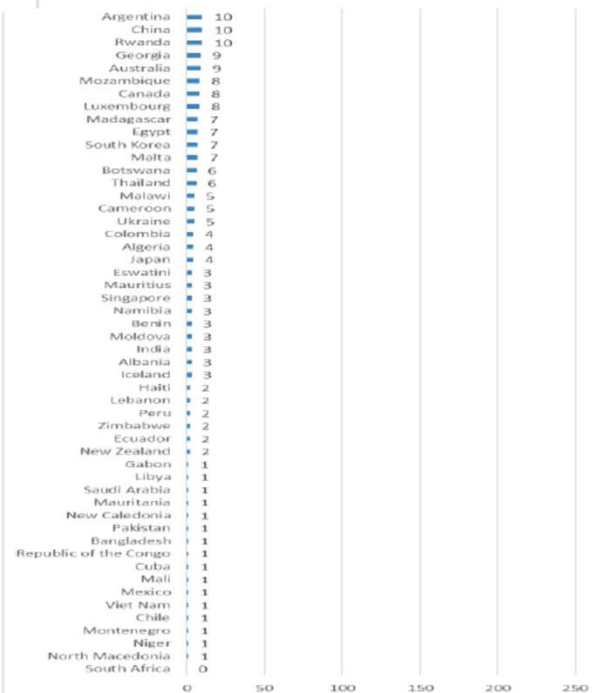
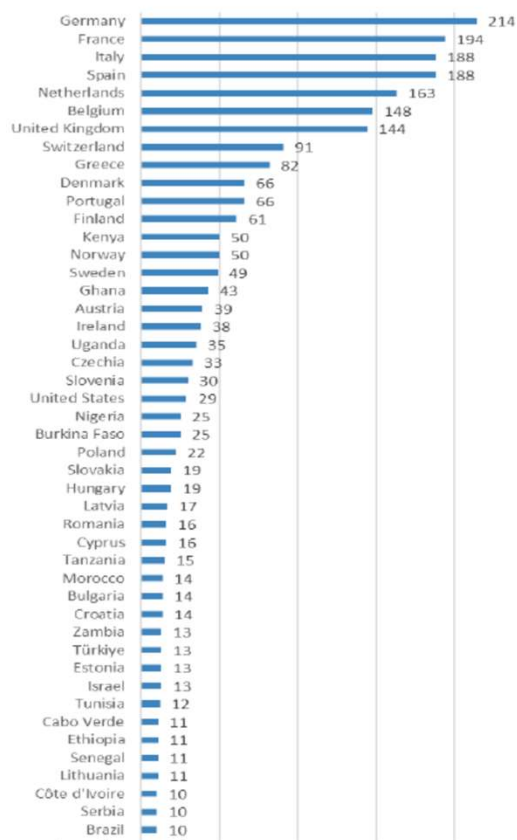
Average EU success rate = 19.68%

Net EU Contribution	Signed Grants	Participation	Unique Participation	Success rate	Eligible Proposals	Applications
64.5 M ^{0.14%} HORIZON EUROPE	153 ^{0.83%} HORIZON EUROPE	213 ^{0.20%} HORIZON EUROPE	75 ^{0.26%} HORIZON EUROPE	23.45% 15.55% Average	659 ^{0.60%} HORIZON EUROPE	943 ^{0.18%} HORIZON EUROPE
Funding received by the project's participants after deduction of major indirect costs pending	Number of grant agreements signed, including suspensions, terminations and closed grant agreements	Number of organisations involved in HORIZON EUROPE projects, one organisation participating in N	Number of unique organisations involved in HORIZON EUROPE projects, one organisation participating in N	Ratio of the retained applications to the total number of eligible applications received, at first or at country level	Proposals that have not failed at the eligibility or substantiality step of the evaluation, since have not been withdrawn, that are not duplicates nor not	Number of organisations applying for HORIZON EUROPE grants. One organisation applying in N proposals is counted in N times, if it does only at

ERC Principal Investigators	EIC Participation	MSCA Participation	Experts
1 ^{0.02%} HORIZON EUROPE	2 ^{0.04%} HORIZON EUROPE	38 ^{0.17%} HORIZON EUROPE	29 ^{30.48%} female evaluators
Net EU contribution to ERC PI...	Seal of Excellence	MSCA unique participants	Proposals evaluated per expe...
2,24M ^{0.03%} HORIZON EUROPE	0	18 ^{0.26%} HORIZON EUROPE	10,90 ^{10.90%} Average

Collaborative links...

South Africa,
Collaborative links



European Research Area Networks (ERA-NETS)

- South Africa participates as a co-fund partner and provides financial support (**co-investment**) to SA researchers participating in programmes such as the European Research Area Networks (ERA-NET)
- **Focus Areas:** Circular Economy, Mining, Minerals, Beneficiation, Advanced Manufacturing, Health, Maritime and Marine Technologies, Water and Biodiversity
- **Impact:** New industrial collaborations (particularly involving SMEs) have been created through the funded projects and the **continuation of these collaborations** have been strengthened in the funded projects
- Over the years we have seen an increased participation of **emerging researchers** particularly **students** and **females** in the projects and an increase in the number of **co-publications**, **patents**, **licenses** and **job creation** through the collaborations.
- Human capabilities development and strengthening of the NSI: Increased number of collaborations within the **SA NSI** (inclusion of HDIs)

Research Consortium...



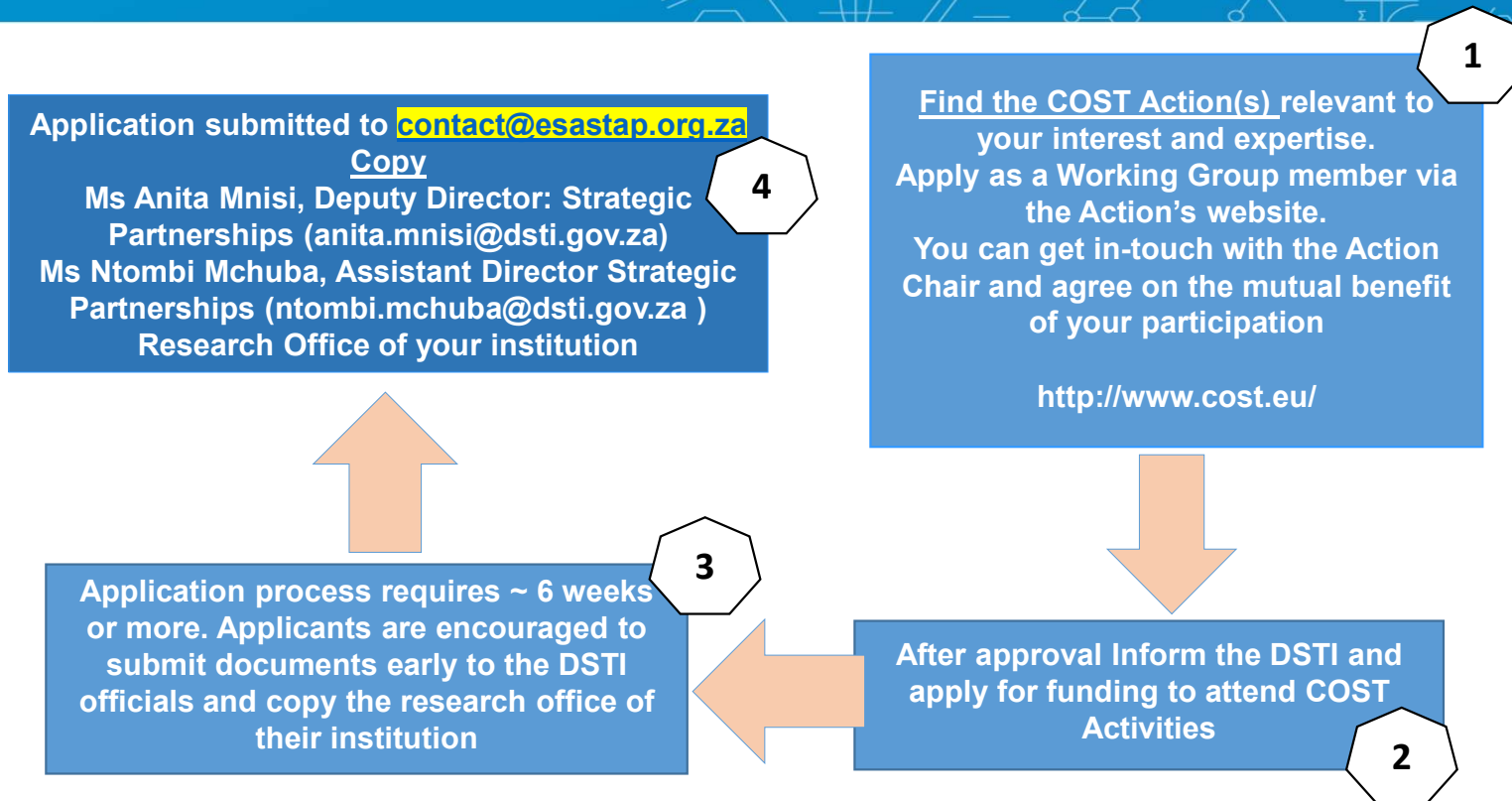
RAW MATERIALS
FOR THE SUSTAINABLE DEVELOPMENT
AND THE CIRCULAR ECONOMY



EDCTP



How to participate in COST?

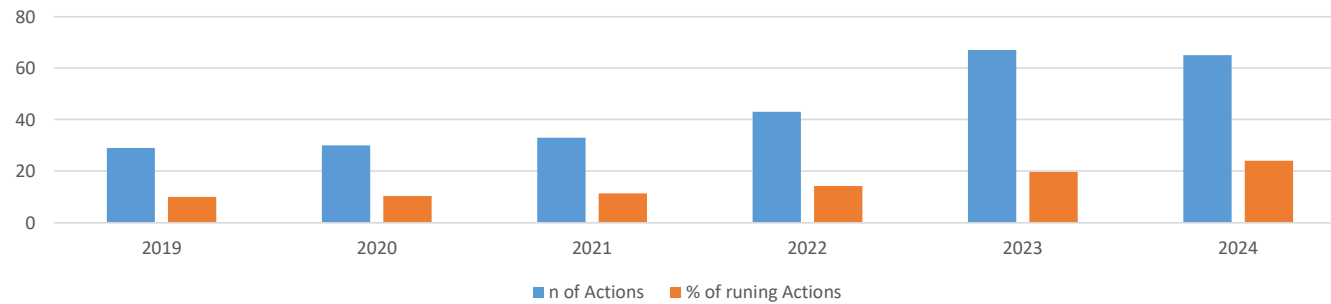


Inquiries on DSTI application process should be addressed to contact@esastap.org.za
Copy (cc) anita.mnisi@dsti.gov.za and ntombi.mchuba@dsti.gov.za



Stats on South Africans serving in management committees

COST Actions



Individual participation



Collaboration with Africa

1. Algeria
2. Angola
3. Botswana
4. Democratic Republic of Congo (DRC)
5. Egypt
6. Ethiopia
7. Eswatini
8. Ghana
9. Kenya
10. Lesotho
11. Mauritius
12. Madagascar
13. Malawi
14. Mali
15. Mozambique
16. Namibia
17. Nigeria
18. Rwanda
19. Senegal
20. Tanzania
21. Tunisia
22. Uganda
23. Zambia
24. Zimbabwe



The Joint AU-EU Innovation Agenda

Aiming to foster the translation of R&I into tangible goods, services, businesses and jobs in both Africa and Europe



- Drafted through a concerted “**Team Africa-Europe**” work, involving AU and the EU Member States and Commissions, under the **AU-EU High-Level Policy Dialogue (HLPD) on Science, Technology and Innovation (STI)**.
- Working document published in **February 2022**, extensively discussed over a ‘**Stakeholder Dialogue Process**’ throughout 2022, culminated in the **AU-EU Innovation Agenda Stakeholder Event** in Nov. 2022 in Nairobi.
- **Final version** of the Agenda prepared building on the feedback and input received from Stakeholders. **Adopted on 19 July 2023**.

4 objectives:



Make it real

- Translate innovative capacities and achievements into **tangible outputs**, supporting sustainable growth and jobs, in particular for the youth



Generate impact by design

- **Foster - strengthen innovation ecosystems** to enhance socio-economic impact



Strengthen people, communities & institutions

- **Develop sustainable, long lasting and mutually beneficial higher education and R&I partnerships**



Learn, monitor, and scale it up

- Scale-up instruments that can take forward existing successful programmes and projects, enable - strengthen the knowledge triangle of education, R&I & place special focus on **public participation, transparency, and inclusion**

Short-, medium- and long-term set of actions, according to four joint priority areas:

- Public Health
 - Green Transition
 - Innovation & Technology
 - Capacities for Science
- + the additional
- Cross-cutting issues

Mapping of gaps & needs for each priority area

- Currently under **implementation**. Supported, from the EU side, by the **Global Gateway Africa – Europe Investment Package** as well as **Horizon Europe** (e.g. “**Africa Initiatives**” and “**Med Initiatives**”).

Africa Initiative III

In Horizon Europe Work Programme 2025

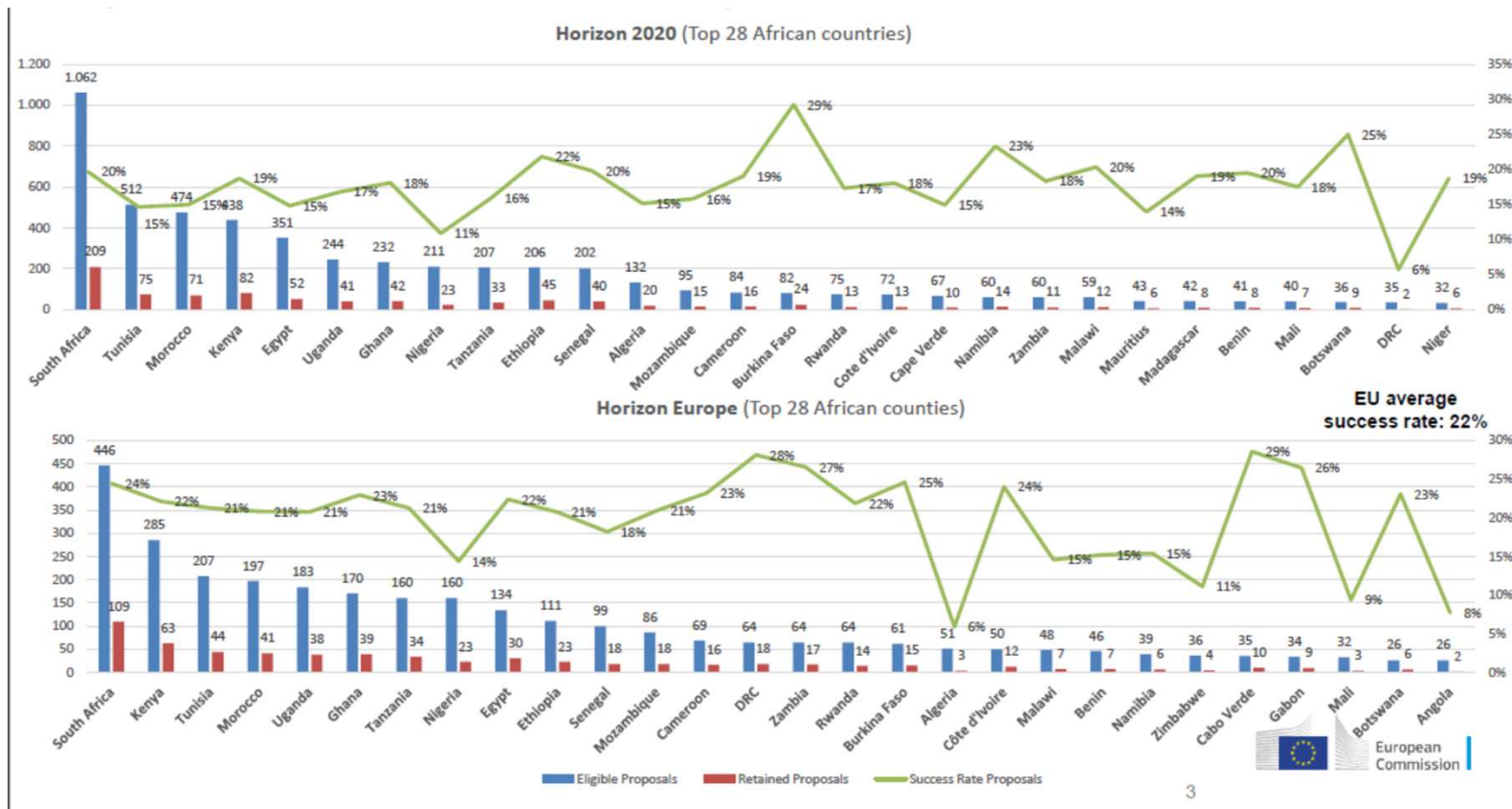
- Building on the positive outcomes of the **Africa Initiative I+II** of Horizon Europe Work Programmes 2021-2024.
- In the WP 2025 a total budget of **500.5 MEUR** through **24 topics** under **calls for proposals** to boost **EU-Africa cooperation on Research & Innovation (R&I)**.
- Enabling the implementation of the **short-term and medium-term actions** of the **AU-EU Innovation Agenda**, aiming to **translate R&I into tangible positive impact on the ground**, particularly in the areas of ¹:

1. *Public Health* (50 MEUR) 
2. *Green Transition* (241 MEUR) 
3. *Innovation & Technology* (186.5 MEUR) 
4. *Capacities for Science* (3.5 MEUR) 
5. *Cross-cutting issues* (19.5 MEUR) 

- Publication of **Horizon Europe Work Programme 2025**: **15 May 2025**, please **check also for date of closing of calls** ([EU funding & tenders' portal](#)).

¹ The AU-EU R&I priority area of *Public Health* is further addressed through the calls of the **Global Health EDCTP3 Joint Undertaking**.

Outcome of Africa Initiative I and II compared to H2020 so far (updated June 2024)



mRNA HUB

- June 2021 - WHO - coordinating the mRNA vaccine technology transfer hub in South Africa
- response to the weaknesses exposed by COVID-19
- African continent's inability to produce vaccines to address health emergencies, strengthen regional health security, and expand sustainable access to health products
- the hub is aimed at increasing the availability of mRNA vaccines, including those for COVID-19, in Africa (and elsewhere in low-and middle-income countries)
- The hub will strengthen regional health security and respond more equitably to future pandemics, and also ensure that there is greater and more diversified vaccine manufacturing capability and capacity.

mRNA HUB - Some of the partners include...



Some of the partners include:

- **Team Europe** members include Austria, Belgium, Czechia, Denmark, France, Germany, Greece, Hungary, Italy, Lithuania, Malta, Netherlands, Poland, Portugal, Spain, Sweden and the European Investment Bank.

SCIENCE & ECONOMIC DIPLOMACY IN ACTION

- the Square Kilometre Array (SKA), - science and economic diplomacy interface – has seen development of key technologies by global partners of the SKA in its construction
- SA's research infrastructure capabilities - commercial prospects (e.g. providing **data for monitoring crop yields, natural disasters and disease outbreaks**) - realised through the interface between science and economic diplomacy.



- Dankie
- Enkosi
- Ha khensa
- Re a leboga
- Ro livhuwa
- Siyabonga
- Siyathokoza
- Thank you



Global networking in practice

South Korea

Yale SONG
Korea – EU Research Centre



Korea-EU Research Centre

International scientific collaboration
with Europe and support schemes
for researchers

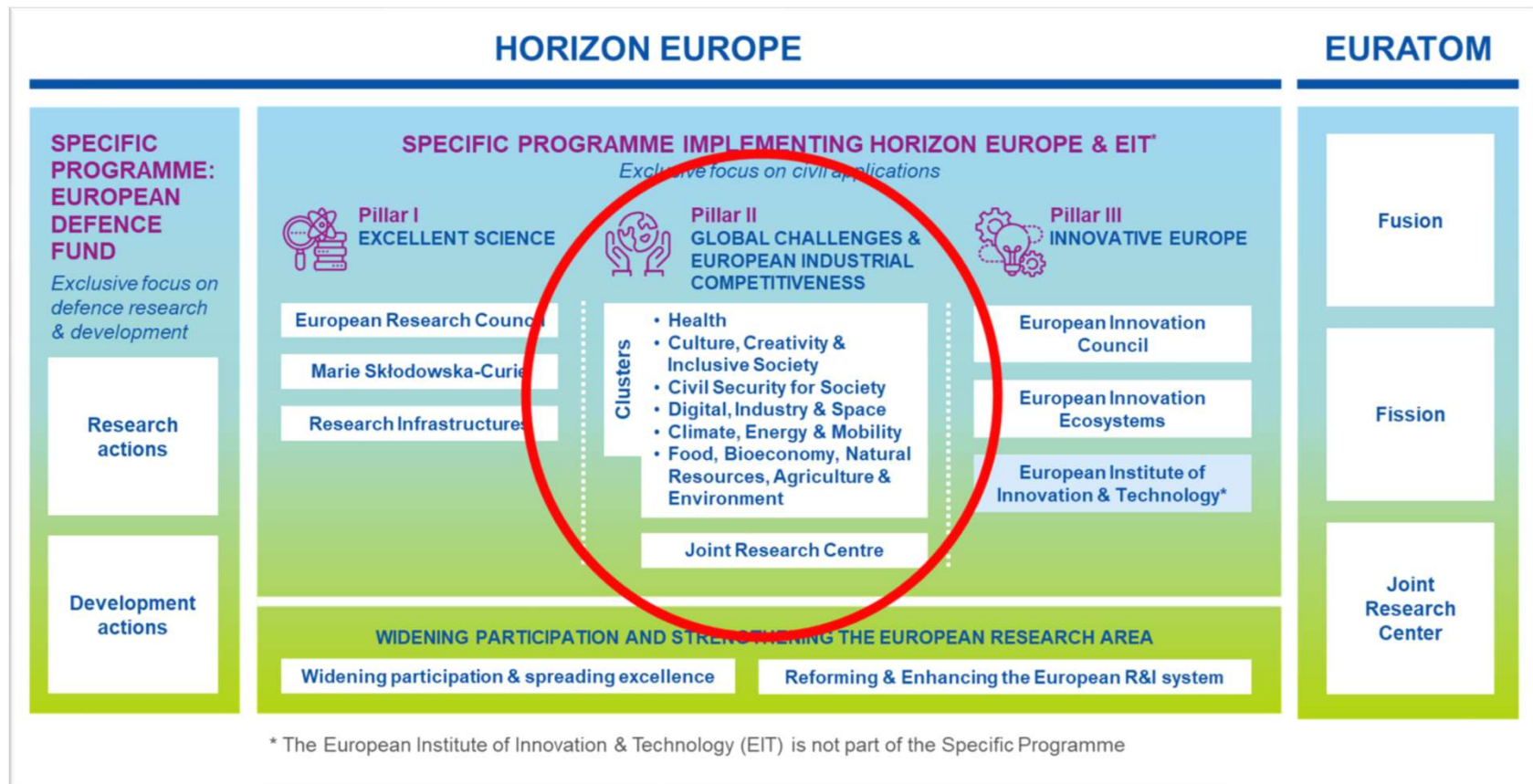


20 June 2025
Network & Policy Officer | Yale SONG
Korea-EU Research Centre (KERO)

Korea's Horizon Europe Association



What is Horizon Europe?



Association, What does it mean?

Korea will become **the 1st Asian country** to associate to Horizon Europe



Korean researchers can **receive research funding directly** from the Horizon Europe budget



Korean researchers will be able to apply for funding to carry out a Horizon Europe project as a **“Coordinator”** or **“Participant”**



Korean researchers can **access** to (almost) all **calls** under **Pillar 2**



Korea can participate as **an observer in the Programme Committees** which is part of Horizon Europe governance

R&D Landscape of Korea

Overview



Innovation Leader (Top Global Performance in EIS 2023)

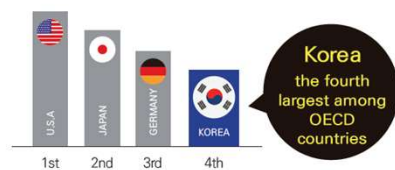
601,530 Researchers in 2022 (World's 4th Rank)

4th Biggest government investment in R&D among OECD (22 bn EUR in 2023)

R&D Intensity 5.21% in 2022 (World's 2nd)

- The Korean government's R&D investment is the fourth largest among OECD countries as of 2020
- The government's R&D investment has been steadily increasing every year, reaching KRW 29.777 trillion in 2022

Ranking of Government Investment in R&D of OECD Countries in 2020



The performance of **South Korea** is well above that of the EU, and the country is an Innovation Leader. Performance has increased since 2016. In 2023 performance declined. South Korea's relative strengths are in Intellectual Property applications.



Figure 20: Performance global competitors



Coloured columns show performance in 2023 relative to that of the EU in 2023.

R&D Landscape of Korea

R&D Budget and Expenditure

Total R&D expenditure (2022)

**76.2bn
Euro**

- Private Sector (79.4%)
- Public Research Institutes (11.5%)
- Universities (9.1%)

**18bn
Euro**

Korean
Government's total
R&D budget (2024)

**12.6bn
Euro**

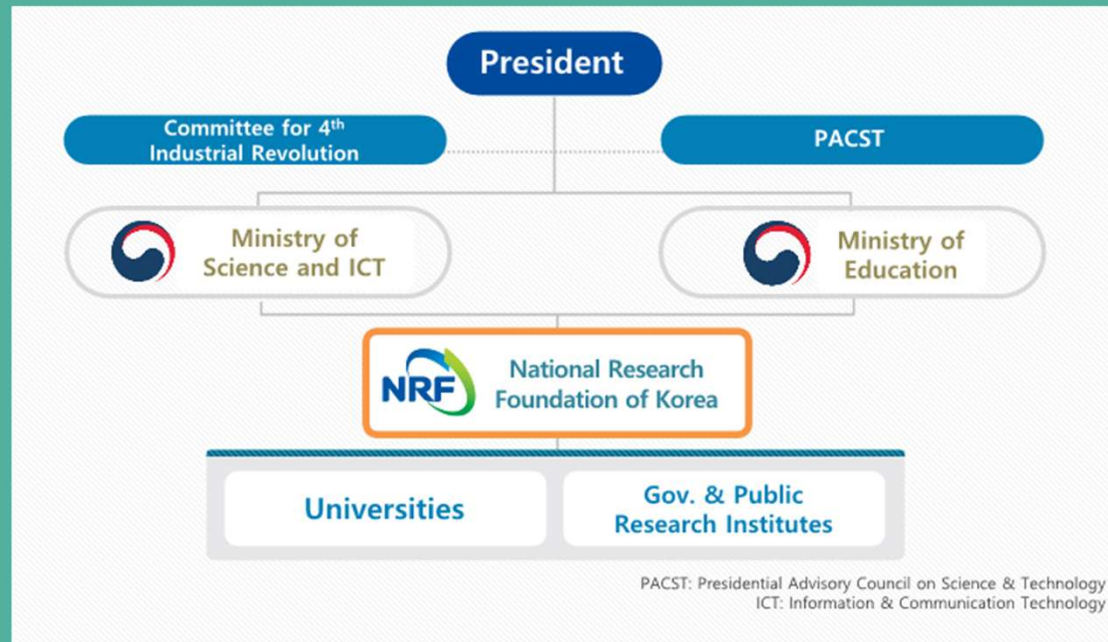
Budget for Ministry of
Science and ICT (2024)

**1.22bn
Euro**

Global R&D (6.8% of total
gov budget)

R&D Landscape of Korea

National Research Foundation of Korea (NRF)



R&D Landscape of Korea

National Research Foundation of Korea (NRF)

NRF's international partnership

MOU with 82 institutions in 51 countries.

Europe

(41 agencies in 24 countries)

RFBR, RAS, SKOLKOVO,
RA, BRFFR, SAS, SSE, NASU,
GACR, CAS, TUBITAK,
PAN, OTKA, HAS, HAE,
FORTH, NWO, SINTEF, IFD,
DFG, AvH, DAAD, MPG,
FNRS, FWO-Vlaanderen,
IVA, SSE, STINT, VR, SNSF,
CSIC, AHRIC, SRC, RS, DC,
BBSRC, FWF, CNR, CNRS,
ANR, AF

Asia

(19 agencies in 12 countries)

MOST, MAS, NCSH, VAST, BRC,
SCST, ICSSR, INSA, LIPI, JSPS, JST,
CAS, NSFC, CASS, CSTE, NRG, T,
NAST, NRCGP, A-STAR

America

(7 agencies in 6 countries)

NSF, NSERC, Mitacs, CONACYT,
CONICYT, CONICET, CNPq

Middle East and Africa

(8 agencies in 7 countries)

ASRT, STDF, UNCT, ScienceFund,
COSTECH, CNRST, NRF, QNRF

Oceania

(4 agencies in 2 countries)

AAS, ARC, ATSE, RSNZ

NRF Organization

Board of Directors

NRF President

Secretary General

Astra

Directorate
Basic
Research in
Science &
Engineering

Directorate
Humanities
& Social
Sciences

Directorate
National
Strategic
R&D
Programs

Directorate
Academic
Research
(University
Funding)

Directorate
International
Affairs

Directorate Digital Innovation

Directorate Management and Operations

Office of Research Ethics

Office of Planning & Coordination

Office of Public Relations

Regional
office

US, Japan, China, Sweden, Belgium, Germany, Russia



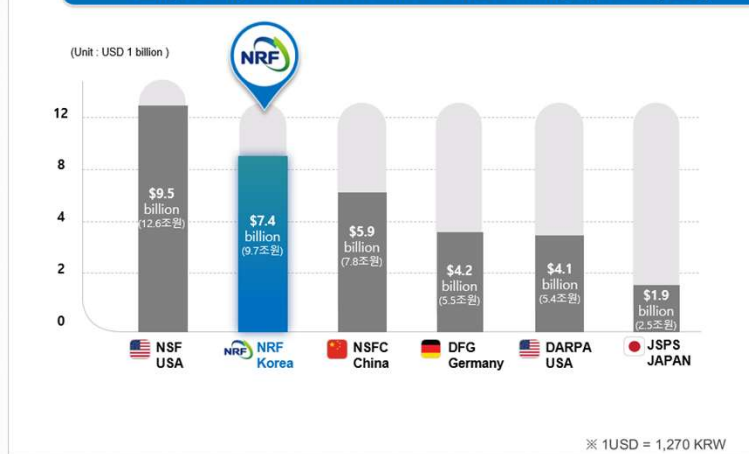
R&D Landscape of Korea

National Research Foundation of Korea (NRF)

Budget Comparison



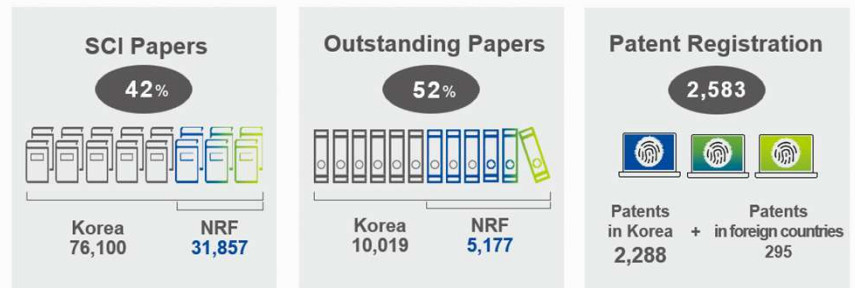
Budget Comparison with Global Research Funding Agencies (2023)



Facts & Figures



31.3% of government R&D budget



Outstanding Achievements from R&D Programs

Creation of New Knowledge

Securing Original Technology

Developing Problem-Solving Technology

6.8bn Euro

R&D Landscape of Korea

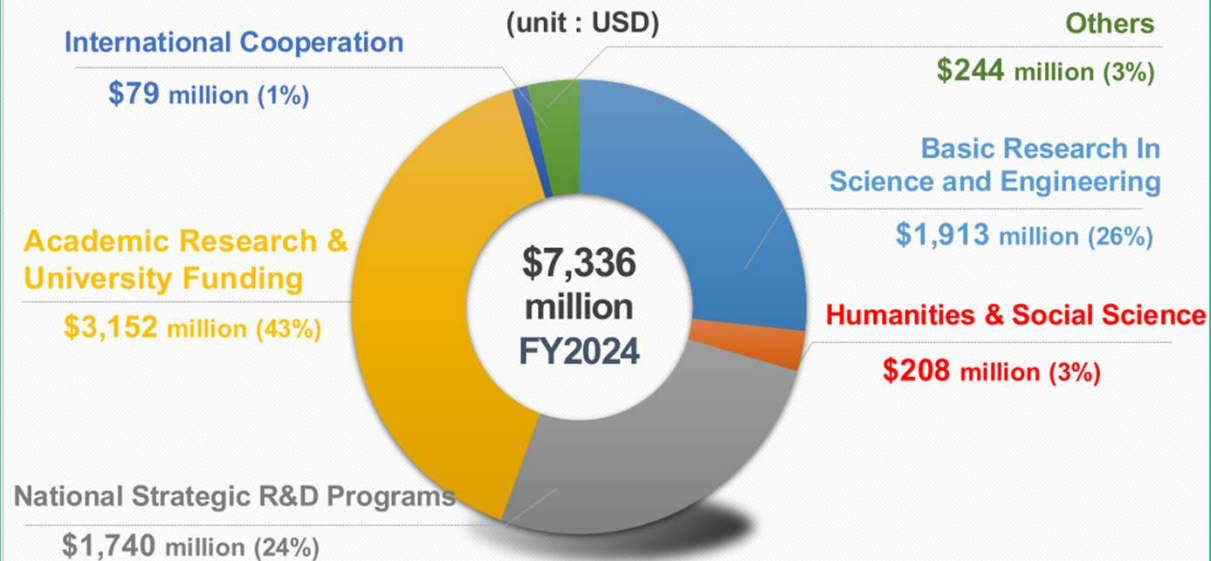
National Research Foundation of Korea (NRF)

Budget



NRF Budget Composition

(unit : USD)



R&D Landscape of Korea

NRF International Cooperation Programme – Europe

- **Korea-EU Joint Research Program**
- Korea-Italy Joint Research Program
- Korea-Sweden Joint Research Program
- Korea-Finland Joint Research Program
- Korea-Norway Joint Research Program
- Korea-Switzerland Joint Research Program
- Korea-France(ANR) Joint Research Program
- Korea-German Academia-Industry International Collaboration Program(2+2)
- Korea-France Cooperative Development Program(STAR)
- Korea-UK Focal Point Program
- Korea-Austria Cooperative Development program
- Korea-Germany Joint Research Program
- Korea-V4(Visegrad Group) Joint Research Program
- Korea-Hungary Joint Research Program
- Korea-Czech Joint Research Program
- Korea-Germany Cooperation Program
- Korea-Nordic Cooperation Program
- **Korea-EU Research Cooperation Center Program**
- Korea-Nordics Science and Technology Cooperation Center Program
- **EU National Contact Point(NCP)**
- Korea-Russia Science and Technology Cooperation Center
- Korea-Russia Innovation Platform
- Korea-Türkiye Cooperative Development Program
- ...

Korean Support Mechanism

Korea-EU Cooperation Promotion Programme

Purpose

- Promote Korea-EU joint research by supporting **domestic researchers' preparation** for participation in HE

Support

- Support for joint research preparation to activate participation in HE programs in which Korean researchers can participate
- **Pillar I** and **Pillar II** projects
- (2025) **15 projects, KRW 25 million won** support per project for 12 months

Korea-EU Joint Research Support Programme

Purpose

- Support **Korean researchers** who have been **selected** to participate in the **Horizon Europe consortium**

Support

- **Pillar I** and **Pillar II** projects
- 4 projects selected in 2024
- 2~4 years
- **(Joint research)** KRW 150 million won, **(Personnel Exchange*)** KRW 50 million won for 12 months

**These are funding for Korean domestic researchers*

Funding for Korean NCPs

Purpose

- Support **Korean NCPs activities**

Support

- 8 Projects
- KRW 25 million won per project for 12 months

Korean Horizon Europe Office



Korean NCPs


EU Funding & Tenders Portal

[Home](#)
[Funding](#)
[Procurement](#)
[Projects & results](#)
[News & events](#)
[Work as an expert](#)
[Guidance & documents](#)

[Sign in](#)

[Home](#) > [Guidance & documents](#) > [Helpdesk & support](#) > [National Contact Points for Horizon Europe](#)

National Contact Points for Horizon Europe

The network of National Contact Points (NCPs) is the main structure to provide guidance, practical information and assistance on all aspects of participation in Horizon Europe. NCPs are also established in many non-EU and non-associated countries ("third countries").

Filters

Korea (Republic of)

Function

23 results found

Sort by...

Jongran Lee South Korea Health (including related partnerships) Updated on 18-Jun-25	Contact NCP
KICM(Korea Institute of Oriental Medicine) Yuseong-daero 1072, Yuseong-gu - 34054 Daejeon - South Korea Tel +82-42-8622704	
Woohyun Cho South Korea European Research Council (ERC), NCP Coordinator, Legal and Financial aspects, Culture, creativity and Inclusive Society (including related partnerships), M... Updated on 18-Jun-25	Contact NCP
YoungMin Lee South Korea European Research Council (ERC), Health (including related partnerships), Digital, Industry and Space (including related partnerships), NCP Coordinator, Leg... Updated on 18-Jun-25	
SEUNG HYUN CHA South Korea Culture, creativity and Inclusive Society (including related partnerships) Updated on 18-Jun-25	Contact NCP
YOUNGSOO KIM South Korea Climate, Energy and Mobility (including related partnerships) Updated on 18-Jun-25	Contact NCP
Korea Technology Finance Corporation 33 Muhyeom Gwangyang-ro, Nam-gu - 45400 Busan - South Korea Tel +82-1057981981	

NCP Services

In general, the following basic services are available in accordance with the [NCP Guiding Principles](#) agreed by all countries:

1. Guidance on choosing relevant Horizon Europe topics and types of action
2. Advice on administrative procedures and contractual issues
3. Training and assistance on proposal writing
4. Distribution of documentation (forms, guidelines, manuals etc.)
5. Assistance in partner search

As the NCPs are national structures, the type and level of services offered may differ from country to country.

What is the NCP network?

NCPs are national structures established and financed by governments of the 27 EU member states and the states associated to the framework programme.

NCPs give personalised support on the spot and in applicants' own languages.

The NCP systems can vary from one country to another from highly centralised to decentralised networks, and a number of very different actors, from ministries to universities, research centres and special agencies to private consulting companies.

❖ <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/ncp?order=ASC&pageNumber=0&pageSize=50&countries=20000933>

R&D Landscape of Korea

State Institutes under NST (National Research Council of S&T)

Government-funded Research Institutes (GRIs) under the NST

We would like to introduce our 25 research institutes

 Korea Institute of Science and Technology	 NATIONAL INSTITUTE OF GREEN TECHNOLOGY	 KOREA BASIC SCIENCE INSTITUTE	 Korea Astronomy and Space Science Institute	 Korea Institute of Science and Technology Information
 KIOM	 KRIK	 KITECH	 ETRI	 NSR
 KICT	 Korea Railroad Research Institute	 KRIS	 KFRI	 World Institute of Kimchi
 KIGAM	 KIMM	 KARI	 KRISS	 KERI
 KRICT	 KIT	 KAERI	 KIMS	 KFE

17,000 Human Resources

R&D Landscape of Korea

Korean Council for University Education (KCUE)

A non-profit,
non-governmental
association of 4-year
universities



198 member
universities(2022)



Founded in 1982



ROLE & FUNCTIONS

01

Conduct research on higher education

02

Address common issues to policy makers and educators

03

Maintain quality assurance of institutions

04

Coordinate university admissions system

05

Provide training to university faculty/staffs

06

Provide information on university to public

07

Support HE internationalization and globalization

About KERO

"A Bridgehead to enhance
Korea-EU R&D
Cooperation"



Our mission is to promote the R&I
cooperation between Korea and the EU

The KERO serves as a platform to facilitate
R&I policy and research collaboration

Main Policy Areas:



**EU Framework
Programme**
(Horizon Europe)



**Korea-EU
Digital
Partnership**
(Digital Policy)



**Bilateral R&D
Cooperation
with
European
Countries**



**Other
Research
Funding
Programs &
Opportunities**

Brief History

Establishment

Korea Research & Innovation Centre – Europe (KIC Europe) was established as a local non-profit organization

ROK-EU Summit

2013

Nov

Reformation

KIC Europe was reformed into the **KERC** to focus on R&D and policy cooperation

Reformation

2017

Mar

Major Upgrade

With more strategic agenda and increased budget, the KERC has strengthened its role and has grown into an essential part of Korea-Europe Cooperation

~ 2024

2022

Mar

**Association!
Strategic R&D Center!**

2025

Main Roles

In Summary: We are Korean Horizon Europe Office in Europe, but more than that!

Korean Liaison Office to the EU

The KERC functions as one of overseas offices of the NRF, and it has hosted more than 10 national institutes

It communicates with local authorities to find project partners

National Contact Point(NCP) Coordinator

The KERC coordinates Korean NCPs for Horizon Europe

It organizes education & training workshops for NCPs and provide extensive information on Horizon Europe

Korea-EU Research Cooperation Platform

The KERC connects Korea and Europe to revitalize research cooperation and to create opportunity for joint R&D projects

Korean Observatory on European R&I

To identify potential cooperation areas and to increase awareness and understanding on European R&I landscape, it keeps track of EU's policy and research trends

National Strategic R&D Center for Europe

Enhance global R&D collaborations and support Korean participation in Horizon Europe

Create a network between overseas research centers in region and coordinate their activities

KERC 2025

Education &
Training for
Research
Managers &
NCPs

Control
Tower

Open Collaboration
Space for Institutes
and Industries



Promotion &
Dissemination

Information
Platform

Design Global
Cooperation Agenda
& Project

Help Desk for
researchers

National
Strategic
R&D Center

Our Activities





Information Sharing

KERC collects, analyzes, shares and accumulates information to generate knowledge and build database



2024 Key Figures

- **700** EU R&I Articles
- **52** EU R&I Briefings
- **1,000** New posts on website
- **160,000** visitors
- **600,000** views
- **3** New webpages
- **104** Newsletters
- **7** Issue Reports
- **43** Publications
- **100** LinkedIn Posts
- **1,000** LinkedIn new Followers



Information Sharing

KERC collects, analyzes, shares and accumulates information to generate knowledge and build database

Horizon Europe



Digital Partnership



Others





Networking

KERC connects Korea and Europe by active networking activities

- DG RTD
- DG EAC
- DG CNECT
- EURAXESS
- COST



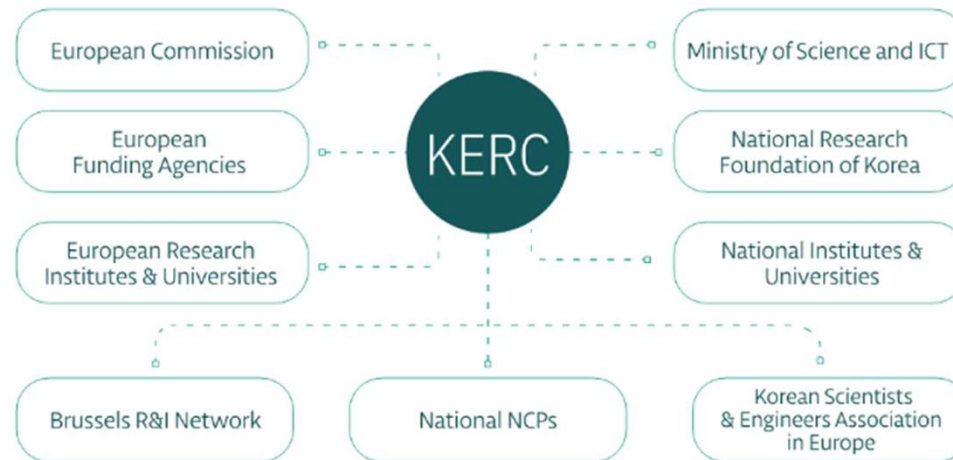
About 30
Funding
Agency



57 Offices
171 Universities



80 Members



25
Government
funded
Institutes



9 Associations



Path-finding

KERC identifies and creates opportunities for joint research and career development

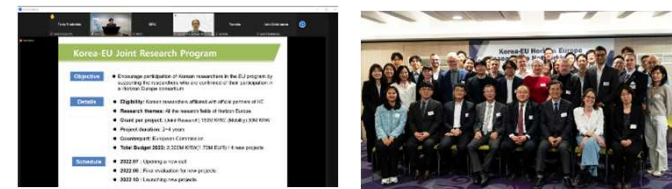
Info-day & KERC Academy



HE Pillar2 Webinar Series



Partnering & Matchmaking



Roundtable



Youth Forum



MSCA PF Workshop



EU Research Career



KERC Supporters



ERC Webinar for Korea





Facilitating

KERC supports and facilitates cooperation on national, governmental, organizational level

Horizon Europe Association



KOR-EU Digital Partnership



Quantum Technology



Semiconductor



Space Cooperation



Switzerland ('23.1)



France ('23.6, '24.1)



Netherlands ('23.12, '24.3)



United Kingdom ('23.11, '24.8)



Czech Republic ('24.9)

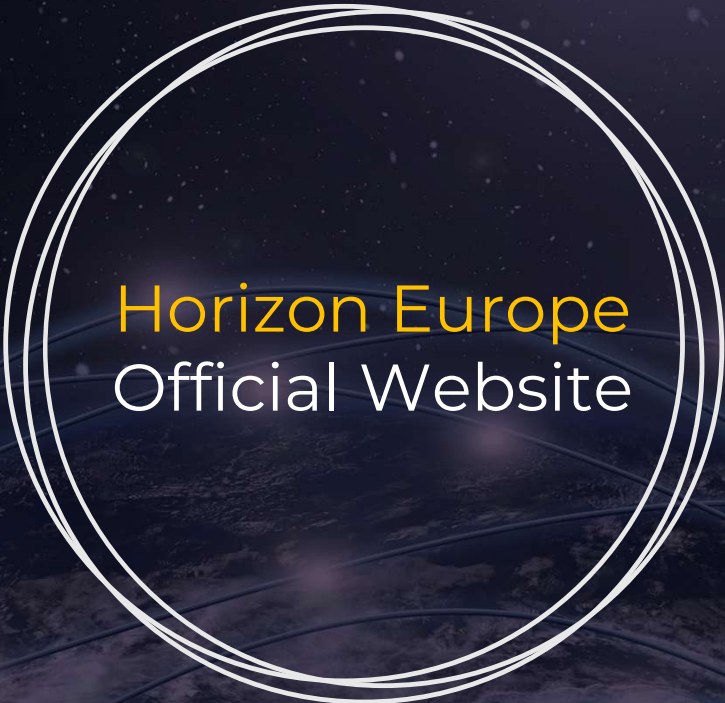


Belgium ('23.10) ('25.2)



KERC 2025

- Single Access Point



Horizon Europe
Official Website

- One Stop Shop

- About Horizon Europe
- Horizon Europe Tracker
- Funding Opportunity
- Event & Agenda
- Horizon Europe FAQ
- Documents & Resources
- NCP corner
- Partner Search

Horizon Europe Matchmaking Event & Webinar Series

KERC 2025

- 1st Korea-EU Horizon Europe Researchers Networking Forum on AI (1~4 April)

After-Movie of the 1st Forum: https://www.youtube.com/watch?v=Gz_G7RPzvIM



Key Figures

- 140 Attendees
- 10 Korean researchers >> 10 European Researchers



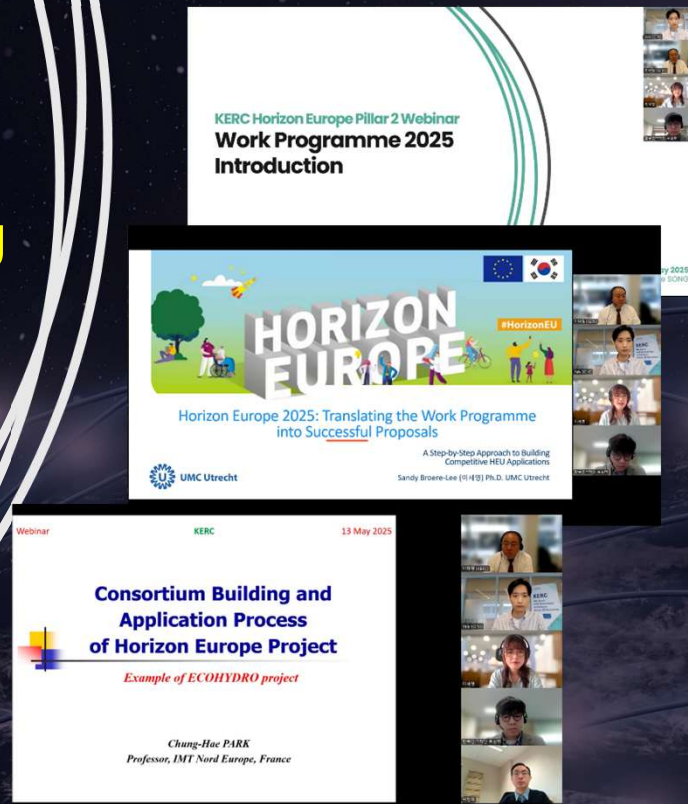
- Next edition: Advanced Biotechnology - Cluster 1 (1~3 July)

Horizon Europe Matchmaking Event & Webinar Series

KERC 2025

- Horizon Europe Pillar 2 Webinar on Work Programme (13th May)

Archive: <https://k-erc.eu/2025/05/horizon-europe-category/25453/>



Key Figures

- 348 Total Registrants
- 324 Total Users
- 241 Unique Viewers
- 59 Questions through Q&A feature

Live Poll Result (166 Responses)

Q1. Are you preparing for a Horizon Europe application?

The consortium has been formed to some extent and is preparing for the next steps, such as writing a proposal (11)

Discussing forming a consortium with European partners (32)

Currently looking for European partners to apply for a call (14)

I plan to check the Work Programme to identify any calls I can apply for (50)

I'm at the initial stage of preparation (41)

No (18)

Q2. Have you already reviewed Work Programme 2025 draft?

Yes, I reviewed the pre-publication version released by the EC at the end of April (49)

Yes, I reviewed the leaked draft of the Work Programme (45)

No (72)

Q3. In which cluster are you interested?

Cluster 1 – Health (46)

Cluster 2 – Culture, Creativity and Inclusive Society (10)

Cluster 3 – Civil Security for Society (5)

Cluster 4 – Digital, Industry and Space (55)

Cluster 5 – Climate, Energy and Mobility (29)

Cluster 6 – Food, Bioeconomy, Natural Resources, Agriculture and Environment (21)

Growing Impact of S&T Diplomacy

Economic and Security Diplomacy		
AI	Advanced Bio	Quantum
Global market size(2032) \$118 billion	Global market size(2035) \$4 trillion	Global market size(2040) \$106 billion
Global Issues  Global competition in hyperscale AI platforms	Global Issues  COVID-19 and emerging infectious diseases	Global Issues  100-Qubit quantum computers
The traditional diplomatic domain(economy and security) is expanding into the field of S&T → Strategic value of all advanced technologies are growing in terms of risk management		
 Strengthening global S&T cooperation is Essential!		

12 national strategic technology fields : ① Semiconductor and display ② Secondary batteries ③ Advanced mobility ④ Next Generation nuclear power ⑤ Advanced biology ⑥ Aerospace and ocean engineering ⑦ Hydrogen ⑧ Cybersecurity ⑨ AI ⑩ Next generation communications ⑪ Advanced robotics ⑫ Quantum technology

Thank you!

Global networking in practice

Quebec, province of Canada

Erwan Huon de
Kermadec
Marie Lachapelle
Québec Government
Office in Brussels



20 juin 2025

The Québec RD&I Landscape

COST International Scientific Networking workshop

Marie Lachapelle,
Scientist in residence

Erwan Kermadec,
Scientific Affairs & Innovation Attaché



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Québec 



A few words about Québec



- Located in northeastern North America
- 1.67 million square kilometres

Territory equivalent to

2 1/2 x



the size
of Texas

3 x



the size
of France

5 x



the size
of Japan

Four very distinct seasons

- From -30°C in January to +30°C in July!





An ambitious diplomatic network

QUÉBEC GOVERNMENT OFFICES ABROAD



INNOVATION, RESEARCH AND DEVELOPMENT



- 32% of business R&D jobs in Canada are in Québec.
- Three of the seven most research-intensive universities in Canada are in Québec:
 - **McGill University,**
 - **Université de Montréal,**
 - **Université Laval**



The 2022-2027 Québec R&I Investment Strategy



A clear vision: Position Québec as a global leader through inclusive, sustainable research and innovation.

Over \$7.5 billion (2022–2027)

Key sectors of excellence:

- Artificial intelligence
- Quantum technologies
- Life sciences
- Aerospace
- Transportation electrification
- Natural resources
- Renewable energy

Québec 



The 2022-2027 Québec R&I Investment Strategy: Priorities



Excel in research, science, and technology



Create an environment conducive to innovation



Support business investments and the commercialization of innovations



Develop talent and foster a scientific and innovation culture



Rely on promising sectors and catalyst projects



Key Players in Québec's R&I Ecosystem

Government of Québec

- Strategic leadership, funding, regulation

Fonds de recherche du Québec (FRQ)

- World-class research and international collaboration

Investissement Québec

- Financing, innovation and export support, global investment prospecting

Axelys

- Commercialization of innovations from public research

Conseil de l'innovation

- Ecosystem coordination

RSRI & CCTTs

- Applied R&D and industry collaboration

Innovation Zones

- Integration of research, talent, and commercialization





Overview of Quebec Universities

	Université de Mtl	McGill University	Université Laval	Concordia University	UQAM	Polytechnique Mtl	UQTR
Students	~70,000	~40,000	~43,000	~50,000	~39,000	~10 000	~14,000
Faculty	2300	1700	1700	2200	1,140	255	1,780
Research Funding	700 M\$	699 M\$	475 M\$	100 M\$	88M\$	107 M\$	37 M\$
Research Strengths	Health, Life Sciences	Medicine, Basic Science	Photonics, Arctic, Cancer, Microbiome	Engineering, Arts, AI	Social Sciences, Arts, Comms	Aerospace, Nanotech, Energy	Sustainable Develop, Health, Innovation





More of Quebec Universities

UQAM

- AI Applied to Mngt
- Mental health and trauma
- Evolutionary genomics
- Media & comms
- Arts, society & minorities

UQTR

- Neurodev. (autism, ADHD)
- Health & physical activity
- Education & learning
- Rehab & performance
- Emotion regulation

UQAC

- Aluminum & advanced materials
- Northern environment
- Community health
- Mining technologies
- Sustainable development

UQAR

- Marine sciences
- Northern research & climate
- Oceanography
- Fisheries & aquaculture
- Regional development

UQO

- Cyberpsych.
- Social intervention
- Forest & biodiversity
- AI & cybersecurity
- Regional development

UQAT

- Forest ecology
- Natural resource management
- Indigenous studies
- Rural education
- Sustainable mining engineering

INRS

- Eau et environ.
- Télécom et matériaux
- Santé durable
- Énergie et géothermie
- Risques naturels

ENAP

- Public administration
- Territorial governance
- Public policy
- Local development
- Public management

ÉTS

- Robotique et IA embarquée
- Systèmes intelligents
- Télécom
- Cybersecu.
- Génie logiciel et industriel

TÉLUQ

- Éducation à distance
- Techno. Éducatives
- Sciences humaines numériques



1- Québec global overview of the AI landscape



Montréal as a Global AI hub

- Key transatlantic partner for Europe on AI, data, robotics
- \$ Early and robust Private and Public Investments in AI
- 500 companies, 45 civil society organisations, 25 incubators & accelerators
- Home to First-class AI centers



SAMSUNG

facebook

Google

Québec 



2- Aerospace in Québec



- **Québec ranks as the world's third-largest aerospace hub**, after Toulouse and Seattle.
- **Home to all three aerospace giants**: Bombardier, Boeing, and Airbus.
- **Over 235 companies** make up Québec's dynamic aerospace ecosystem.
- **Aerospace is Québec's top export sector**, driving innovation and global trade.
- A unique convergence of **expertise, infrastructure, and global players** in one region.



3- The Québec quantum ecosystem



Québec

The Photonic Industry

[COPL](#) | [Université Laval](#) | [INO](#) |
[Entrepreneuriat Laval](#) | [Quantino](#)

Montréal

Quantum communications, digital technologies and AI

[INTRIQ](#) | [Polytechnique](#) | [McGill
University](#) | [Université de
Montréal](#) | [Centech](#) | [PRIMA](#) |
[PROMPT](#) | [Numana](#)

Gatineau

Cybersecurity

[CyberQuébec](#) | [In-Sec-M](#)

Sherbrooke

Quantum sciences and technologies

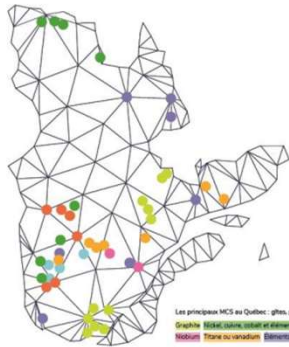
[IQ](#) | [Université de
Sherbrooke](#) | [ACET](#) |
[C2MI](#) | [3IT](#) | [Espace
IBM Quantique](#)



4- Québec: One of the vastest reserves of CRM in the world

1.7 million square meters of territory with **200 active mines**, including 21 producing mines and 33 mines on development stage.

- Graphite
- Nickel, Copper, Cobalt and Platinum Group Elements
- Lithium
- Niobium
- Titanium or Vanadium
- Rare Earth Elements
- Zinc and Copper





Association Agreement to Horizon Europe



When and where ?

On July 3rd, in Montréal, the Canadian government and the European Commission signed an Association Agreement of Canada to Horizon Europe.



What ?

- Pillar II: €53.5 BN
- Large-scale/high-impact projects
- 8-12 partners average consortium and €3-6 million budget



Why ?

- Direct funding from the Horizon Europe
- Coordination and Host of projects

The Circle of Research and Innovation Québec-Europe

Collaborative, cross-disciplinary, cross-sector and cross-national research and innovation network linking Québec and Europe.

Flagship diplomacy actor based in Brussels focused on accelerating and enhancing the competitiveness of innovative industries.

Strategic agenda aligned with the EU's Horizon Europe framework programme and calls for proposals, including CRM.



CFO

Peut être intéressant de mentionner le CRIQUE

Filion-Trepanier, Caroline, 2025-06-17T15:52:10.852

Québec and Europe



**United by excellence,
innovation, and a
commitment to a
sustainable future.**

Thank you

Let's stay in touch !

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Fluve Saint-Laurent

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Québec 

Breakout session

12.30 – 13.00



Breakout session with international partners

- The breakout session serves to get a direct conversation with the representatives of COST international partners, where you can discuss
 - "how to find partners from the country"?
 - "what fields of science would be most interesting to find partners from"?
 - "what is in it for my COST Action to have partners from the non-COST countries"?
- 4 break-out groups meet in different rooms to discuss.
- Please make sure to be back in the plenary room by **13.00**



Lunch break
13.00 – 14.00



Survey



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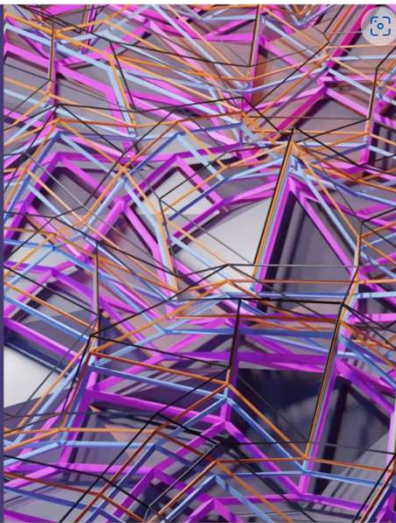
GROUP DISCUSSION ON INTERNATIONAL SCIENTIFIC NETWORKING



Expanding scientific frontiers via international cooperation and networking

Part of the Science Summit at the United Nations
General Assembly (UNGA78)

🕒 Friday 15th September 2023
09:00 - 12:00 EDT
📍 New York, CUNY Graduate Center



Hurdles to international science cooperation: data sharing & management

Part of the Science Summit at the United Nations
General Assembly (UNGA79)

🕒 Monday 23rd September 2024
08:30 - 12:00 EDT / 14:30 - 18:00 CEST
📍 Cure, 345 Park Ave South, New York
and online

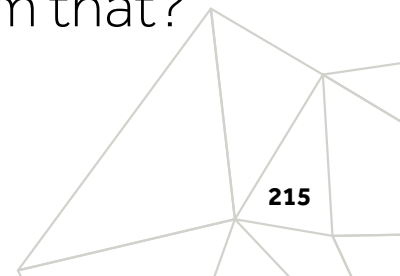


Reflections



- How do you see geopolitics' impact on international scientific networking or if scientific networking would mitigate it
- What are your expectations of international scientific networking with global partners?
- How, in your view, international scientific networking can support Europe?

- What initiatives are emerging as a follow up to the workshop?
- What take-aways or inspirations you could bring back for your Action/ project
- How do you expect your Action/ project will benefit from that?



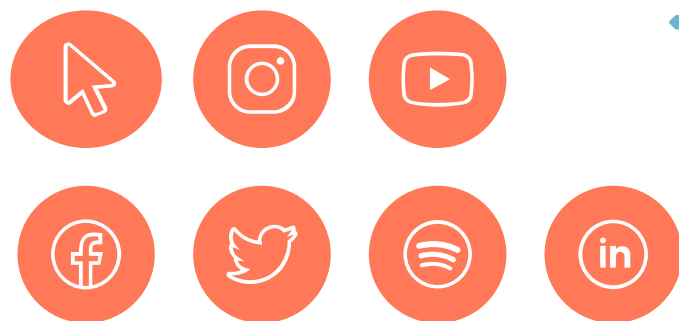
Survey



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BJQ22EJWG](https://forms.office.com/E/QBJQ22EJWG)



NETWORKING COFFEE – *END OF THE WORKSHOP*



THANK YOU!

