COST ACTION CA24131

European Network for radiation-detection based Research and Innovation addressing increasing societal CHallenges (ENRICH)

ENRICH

WG1 Report

Community Coordination

Francesca Bonfigli, Alessandro Scordo

Annual Meeting

Krakow 14-16/07/2026

cost
EUROPEAN COOPERATION IN SCIENCE & TECHNOLOGY

Funded by the European Union

ENRICH

Francesca Bonfigli
Physicist

Senior Researcher
ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development
Research Center in Frascati
Nuclear Department
Physical Technologies and Security Division
Via E. Fermi, 45, ⊙⊙⊙44 Frascati (Rome), Italy

Research activities

Research and development of X-ray imaging detectors based on the photoluminescence of radiation-induced electronic defects in lithium fluoride.
Main features: high spatial resolution (standard sub-micrometic scale, intrinsic nanometric scale) over a wide field of view, extended dynamic range.
Applications: contact X-ray imaging in absorption contrast (including in *vivo cells*) and phase contrast; X-ray laser beam diagnostics, including X-FEL; characterization of X-ray optics (zone plates, polycapillary optics).

Research and development of advanced materials such as graphene-based composites (for Space and Cultural Heritage).

Expertise in advanced confocal optical microscopy and spectroscopy, and Raman micro-spectroscopy.

Agenda

- Overview WG1 Objectives, tasks, deliverables

- Report of WG1 activities
    - D1.1 - Coordination Meeting
    - D1.2 - ENRICH Community Census
        - Participant Countries
        - Participants COST Full Members
        - Non-participants COST Full Members
        - Participants monitoring
        - Gender balance
        - Young researcher participation and support
        - Inclusiveness Target Countries ITC participation and support

- Plans for next year

WG1 Tasks

WG1 : Community Coordination

This WG focuses on all necessary activities to improve the quality of the Action and to increase the number of participants.

T1.1: Compilation of all the research teams and subcommunities initially involved in the ENRICH Action (RCO1) – Timeline Q1-Q2

T1.2: Census and compilation of existing research teams and subcommunities potentially interested in joining the ENRICH Action to promote its goals and enlarge the community (RCO1, CBO1, CBO2) - Timeline Q2-Q4

T1.3: Promote and maintain links among the various WGs by organizing regular meetings among WG leaders and disseminating the advancement of the ENRICH Action to the participants through annual reports, internal notes, websites and similar initiatives (RCO1, CBO3). A set of mailing lists and newsletters will be also created for the various WG, the management, the general public, etc. - Timeline Q3-Q16

Start date:16/10/2025
End date: 15/10/2029

16/10/2025 — 16/10/2029

WG1 Tasks

WG / Tasks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16
WG1: Cost Management and Coordination																
T1.1																
T1.2																
T1.3																

WG1 Objectives

Research Coordination Objectives

RCO1: Build an overtime increasing broad and multidisciplinary community that includes experts, institutes, laboratories, and stakeholders across fundamental, atomic and nuclear physics, astrophysics, environmental science, biology, life sciences, detector development, solid-state physics, imaging, medical physics, raytracing simulations, agrifood, material science, nuclear forensic, radiation security, cultural heritage, optics, photon sources, and electronics. This includes cataloguing existing but unconnected sub-communities.

Capacity-Building Objectives

CBO1: Serve as a transnational stakeholder platform to gather and disseminate state-of-the-art knowledge in radiation detection fields, including fundamental, atomic and nuclear physics, astrophysics, environmental science, biology, life sciences, detector development, solid-state physics, imaging, medical physics, raytracing simulations, agrifood, material science, nuclear forensic, radiation security, cultural heritage, optics, photon sources, and electronics. This CB aims as well to gather and disseminate information on infrastructures, research groups, and manufacturers.

CBO2: Engage COST Inclusiveness Target Countries (ITC), new research groups, and teams from countries with less capacity, ensuring gender balance and supporting young researchers to provide equal access to scientific and technological knowledge.

CBO3: Strengthen collaborations among leading international scientists in radiation-related fields to develop a joint research agenda.

WG1 Deliverables

D1.1 - Coordination Meeting Records (Q2, Q6, Q10, Q14): Records and minutes from regular coordination meetings among WG leaders.

D1.2 - ENRICH Community Census (Q5): A comprehensive collection of research teams and subcommunities involved in the ENRICH Action, to be regularly updated along the whole duration of the Action.

16/10/2025 — 16/10/2029

WG1 Deliverables

	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16
Deliverables		D1.1		D5.1, D7.1	D1.2, D2.1, D4.1, D6.1	D1.1,D5.2, D6.1, D7.2	D2.2, D3.1, D6.2	D7.1	D6.3	D1.1, D5.3, D7.2		D7.1		D1.1, D4.2, D7.2		D3.2, D7.1
Cross-sectional Deliverables					DX.1, DX.2				DX.1, DX.2				DX.1, DX.2			DX.1, DX.2, DX.3
Milestones	M1	M2		M3		M2		M3		M2		M3		M2		M3

Start date:16/10/2025
End date: 15/10/2029

ENRICH Timeline

Start date:16/10/2025
End date: 15/10/2029

16/10/2025 — 16/10/2029

WG / Tasks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16
WG1 Tasks																
WG1: Cost Management and Coordination																
T1.1																
T1.2																
T1.3																
WG1 Deliverables																
Deliverables		D1.1		D5.1, D7.1	D1.2, D2.1, D4.1, D6.1	D1.1,D5.2, D6.1, D7.2	D2.2, D3.1, D6.2	D7.1	D6.3	D1.1, D5.3, D7.2		D7.1		D1.1, D4.2, D7.2		D3.2, D7.1
Cross-sectional Deliverables					DX.1, DX.2				DX.1, DX.2				DX.1, DX.2			DX.1, DX.2, DX.3
Milestones	M1	M2		M3		M2		M3		M2		M3		M2		M3

T1.1: Compilation of all the research teams and subcommunities initially involved in the ENRICH Action(RCO1)
T1.2: Census and compilation of existing research teams and subcommunities potentially interested in joining the ENRICH Action to promote its goals and enlarge the community (RCO1, CBO1, CBO2).
T1.3: Promote and maintain links among the various WGs by organizing regular meetings among WG leaders and disseminating the advancement of the ENRICH Action to the participants through annual reports, internal notes, websites and similar initiatives (RCO1, CBO3). A set of mailing lists and newsletters will be also created for the various WG, the management, the general public, etc.

D1.1 - Coordination Meeting Records (Q2, Q6, Q10, Q14): Records and minutes from regular coordination meetings among WG leaders.

D1.2 - ENRICH Community Census (Q5): A comprehensive collection of research teams and subcommunities involved in the ENRICH Action, to be regularly updated along the whole duration of the Action.

Milestones:
The ENRICH Action will also have 4 cross-functional Milestones:
M1 - ENRICH Kick-Off Meeting (Q1): This will be the first meeting of the ENRICH Action at which the leadership positions will be elected and Action will officially start. A plan for the first year and budget distribution will be discussed and agreed upon.
M2 - Mid-term Review Meetings (Q2, Q6, Q10, Q14): In these meetings, that will be organized online, the coordinators of each WG will present their WGs achievements and will serve as a verification step for the various tasks and activities.
M3 – WG Annual Meetings (Q4, Q8, Q12, Q16): These meetings will be done in presence and will gather active participants of the various WGs to review, plan and organize the tasks and the activities of each year. These meetings will be opened to the representatives of the various stakeholders involved in each WG.
M4 – Final Conference (Q16): This will be the conclusive event of the ENRICH Action, where all the results will be presented and the pathways and recommendations for future works will be discussed.

WG1 Deliverable D1.1

D1.1 - Coordination Meeting Records (Q2, Q6, Q10, Q14): Records and minutes from regular coordination meetings among WG leaders.

Core Group

Action Chair Dr. Alessandro Scordo
Action Vice-Chair Dr. Silvia Cipiccia
Grant Holder Scientific Representative Dr. Davide Bleiner
Science Communication Coordinator Dr. Adriana Postiglione
Grant Awarding Coordinator Dr. Magdalena Skurzok
Young Researchers' Coordinator Dr. Eugenia Naselli
Events' Coordinator Dr. Eva Marguí
Stakeholders' Contact Point Dr. Peter Oberta

WG Leaders and Co-Leaders
- WG1: Dr. Francesca Bonfigli, Dr. Alessandro Scordo
- WG2: Prof. Leonardo Abbene, Dr. Jesel Patel
- WG3: Dr. Manuel Sanchez Del Rio, Dr. Simone Manti
- WG4: Dr. Chris Armstrong, Dr. Michela Fratini
- WG5: Dr. Ivana Tucaković, Dr. Luca Brombal
- WG6: Dr. Uddahab Chaulagani, Dr. Silvia Cipiccia
- WG7: Dr. Michela Esposito, Dr. Catalina Oana Curceanu

Core Group Minutes - Pandora Repository (https://pandora.infn.it/public/8d762O)

Core Group Meetings
- 24/10/2025
- 10/12/2025
- 29/04/2026

Start date:16/10/2025
End date: 15/10/2029

	16/10/2025	16/04/2026			16/01/2027					16/04/2028				16/04/2029		16/10/2029
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16
Deliverables		D1.1		D5.1, D7.1	D1.2, D2.1, D4.1, D6.1	D1.1,D5.2, D6.1, D7.2	D2.2, D3.1, D6.2	D7.1	D6.3	D1.1, D5.3, D7.2		D7.1		D1.1, D4.2, D7.2		D3.2, D7.1
Cross-sectional Deliverables					DX.1, DX.2				DX.1, DX.2				DX.1, DX.2			DX.1, DX.2, DX.3
Milestones	M1	M2		M3		M2		M3		M2		M3		M2		M3

ENRICH Meetings

Meeting Minutes - Pandora Repository (https://pandora.infn.it/public/8d7620)

Management Commette Meetings
- 16/10/2025 kick-off Meeting
- 11/03/2026
- 12/05/2026

Core Group Meetings
- 24/10/2026
- 10/12/2025
- 29/04/2026

WG1 Meetings
- 23/02/2026
- 08/07/2026

WG2 Meetings
- 05/02/2026

WG3 Meetings
- 06/02/2026
- 16/03/2026
- 12/06/2026

Grant Evaluation Meetings
- 26/01/2026
-24/04/2026
-18/05/2026
-08/06/2026

.

WG4 Meetings
- 01/04/2026
-02/0672026

WG5 Meetings
-21/01/2026
- 12/03/2026
- 13/04/2026

WG7 Meetings
-04/03/2026
- 03/07/2026

WG1 Deliverable D1.2

D1.2 - ENRICH Community Census (Q5): A comprehensive collection of research teams and subcommunities involved in the ENRICH Action, to be regularly updated along the whole duration of the Action.

Start date:16/10/2025
End date: 15/10/2029

16/10/2025 16/04/2026 16/01/2027 16/04/2028 16/04/2029 16/10/2029

WG1 Deliverables

	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16
Deliverables		D1.1		D5.1, D7.1	D1.2, D2.1, D4.1, D6.1	D1.1,D5.2, D6.1, D7.2	D2.2, D3.1, D6.2	D7.1	D6.3	D1.1, D5.3, D7.2		D7.1		D1.1, D4.2, D7.2		D3.2, D7.1
Cross-sectional Deliverables					DX.1, DX.2				DX.1, DX.2				DX.1, DX.2			DX.1, DX.2, DX.3
Milestones	M1	M2		M3		M2		M3		M2		M3		M2		M3

WG1 Tasks

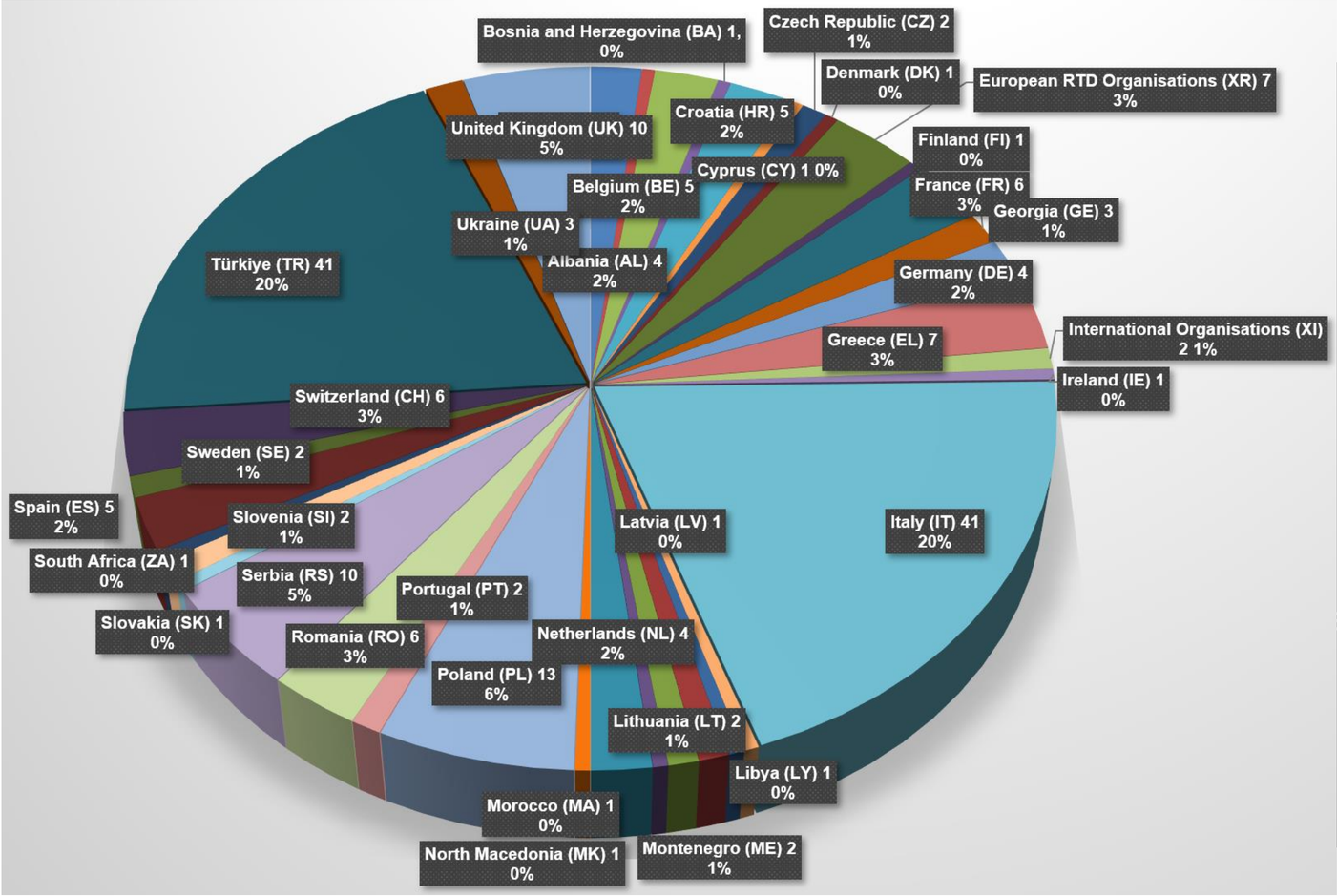
WG / Tasks	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16
WG1: Cost Management and Coordination																
T1.1																
T1.2																
T1.3																

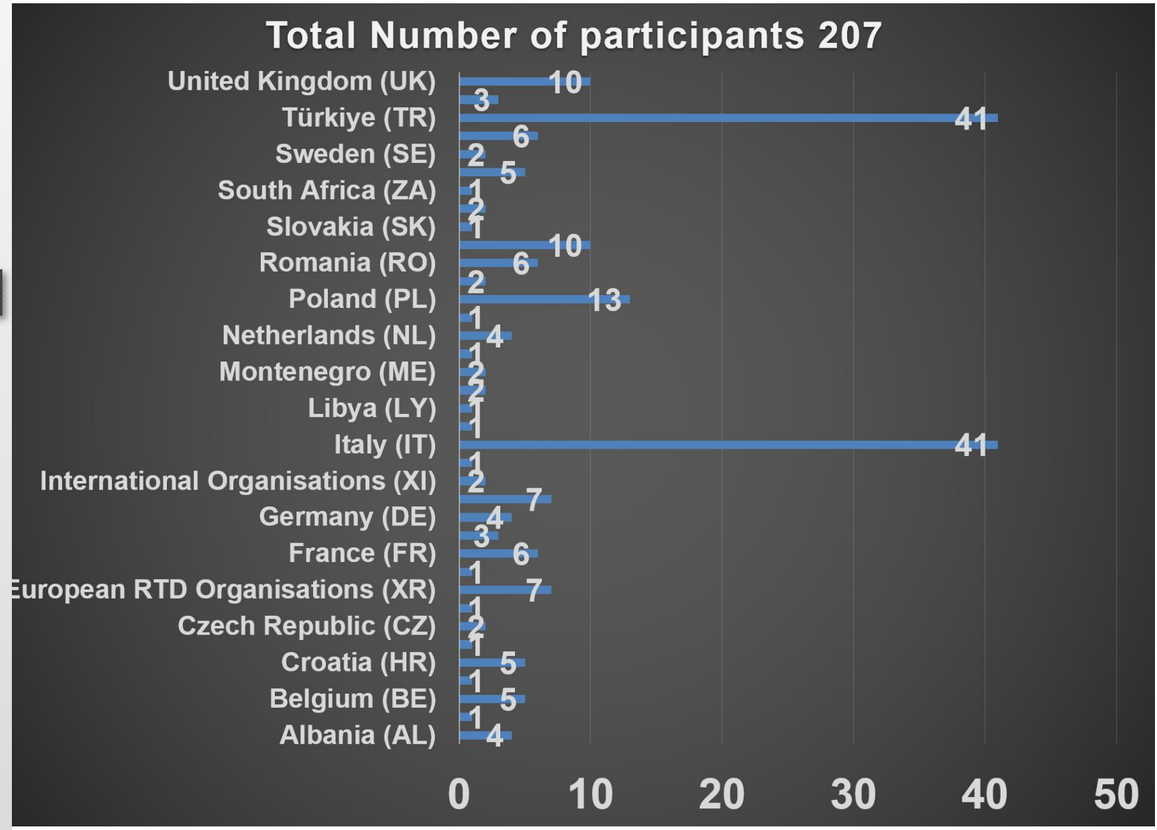
Tasks

T1.1: Compilation of all the research teams and subcommunities initially involved in the ENRICH Action(RCO1)

T1.2: Census and compilation of existing research teams and subcommunities potentially interested in joining the ENRICH Action to promote its goals and enlarge the community (RCO1, CBO1, CBO2).

Countries





Updated to 09 07 2026

Cost Full Members

Updated to 09 07 2026

COST Full Members participants with MC member in ENRICH (red flags)

Albania, Belgium, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, France, Georgia, Germany, Greece, Ireland, Italy, Latvia, Lithuania, Montenegro, Netherlands, Republic of North Macedonia, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye, Ukraine, United Kingdom.

COST Full Members non-participants (green flags)

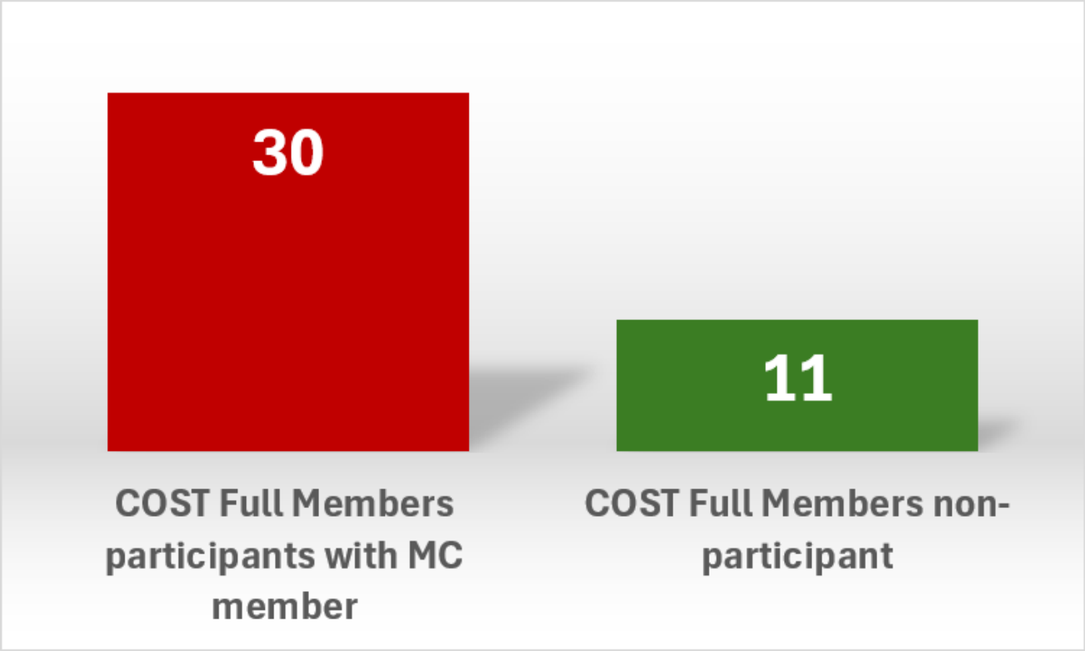
Armenia, Austria, Bulgaria, Estonia, Finland, Hungary, Iceland, Luxembourg, Malta, Republic of Moldova, Norway.

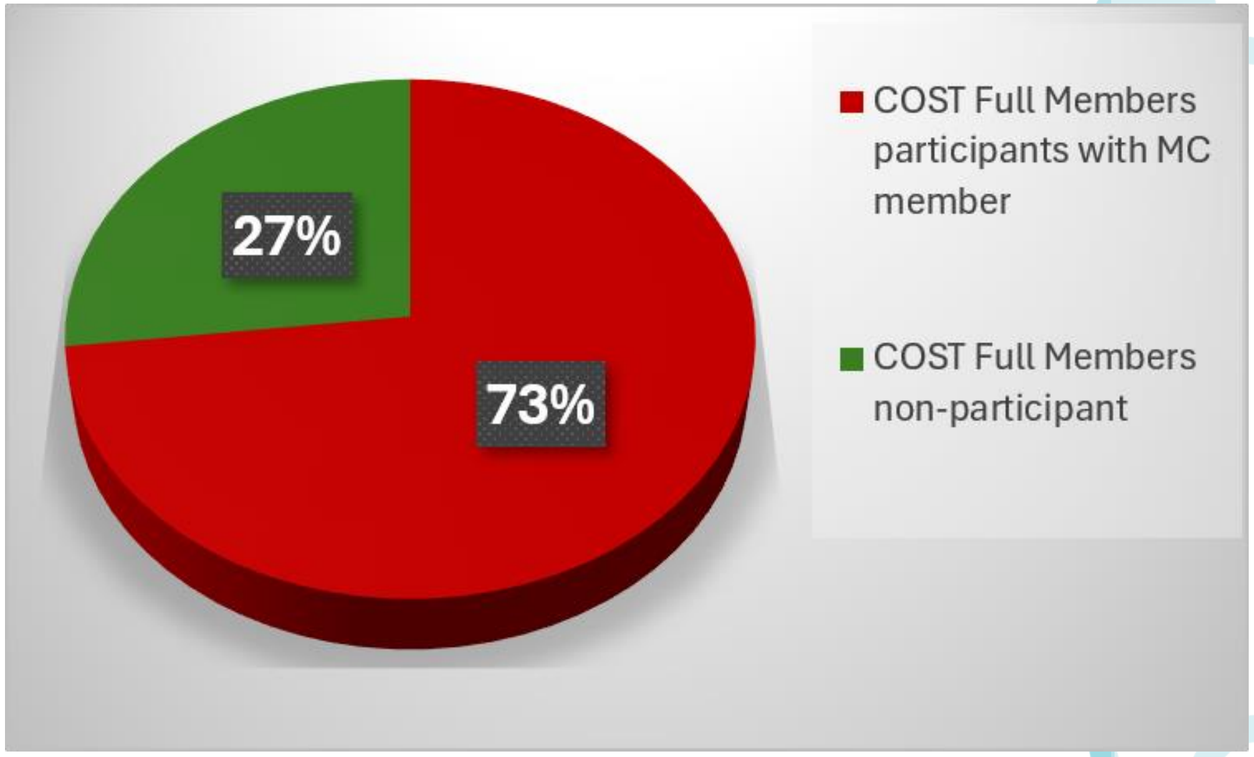
Participant Countries without MC member

NNC -Near Neighbour Country (blue flags)

Marocco, Algeria, Lybia.

Enrich Members





Updated to 30 06 2026

Participant Monitoring

Increasing percentage 24%

Updated to 09 07 2026

WG participants

Working Group 1 - Community Coordination

Working Group 2 - Technological Advancement

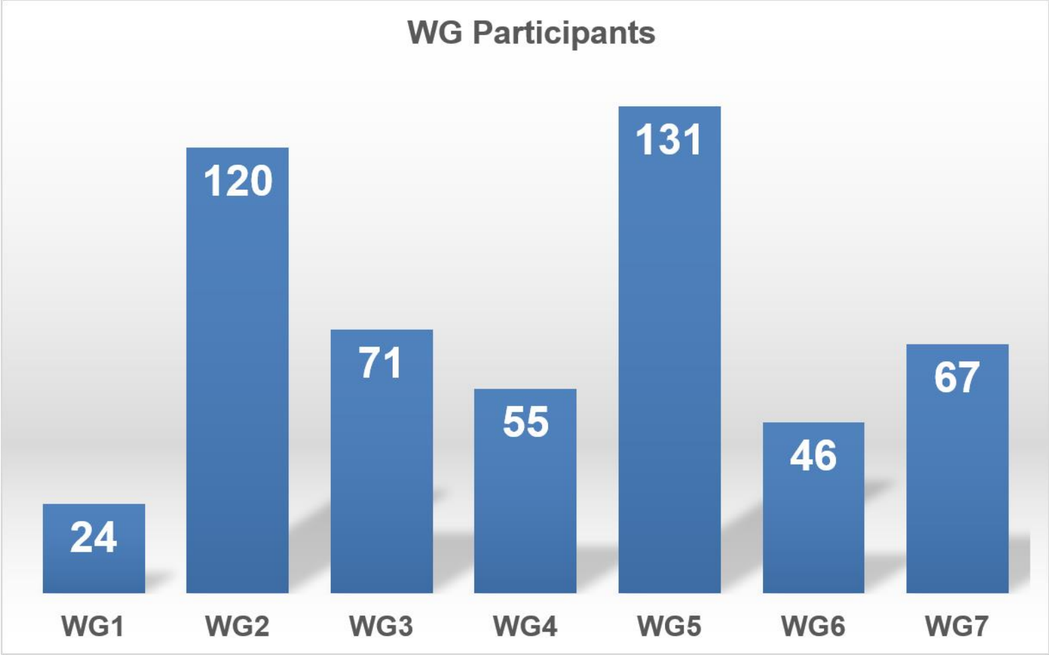
Working Group 3 - Software Advancement

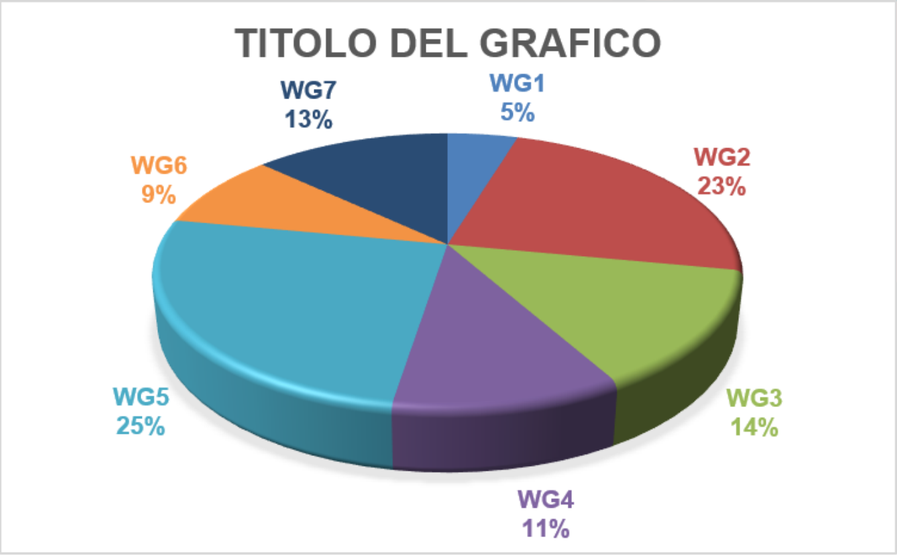
Working Group 4 - Electronics and DAQ

Working Group 5 - Multidisciplinary and Societal Applications

Working Group 6 - Integration and Interchange

Working Group 7 - Mentoring, training and dissemination

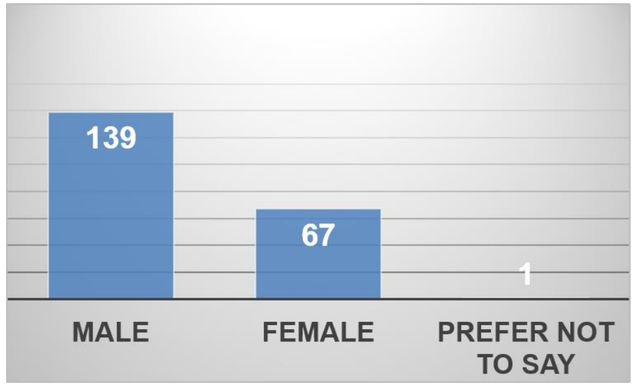


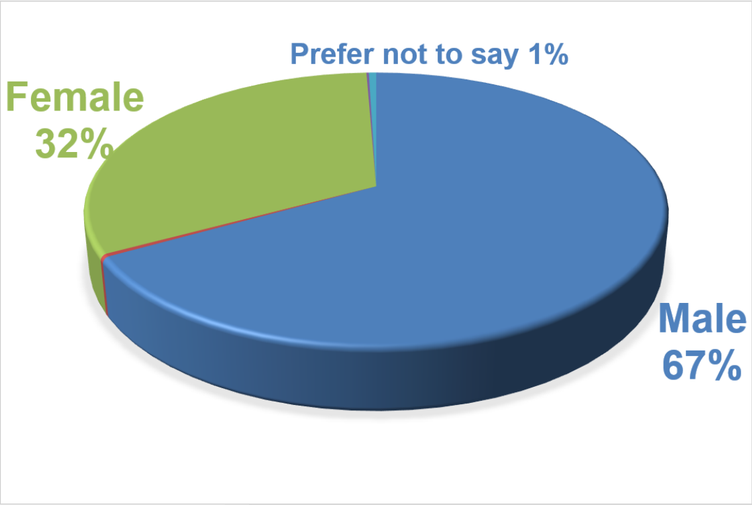


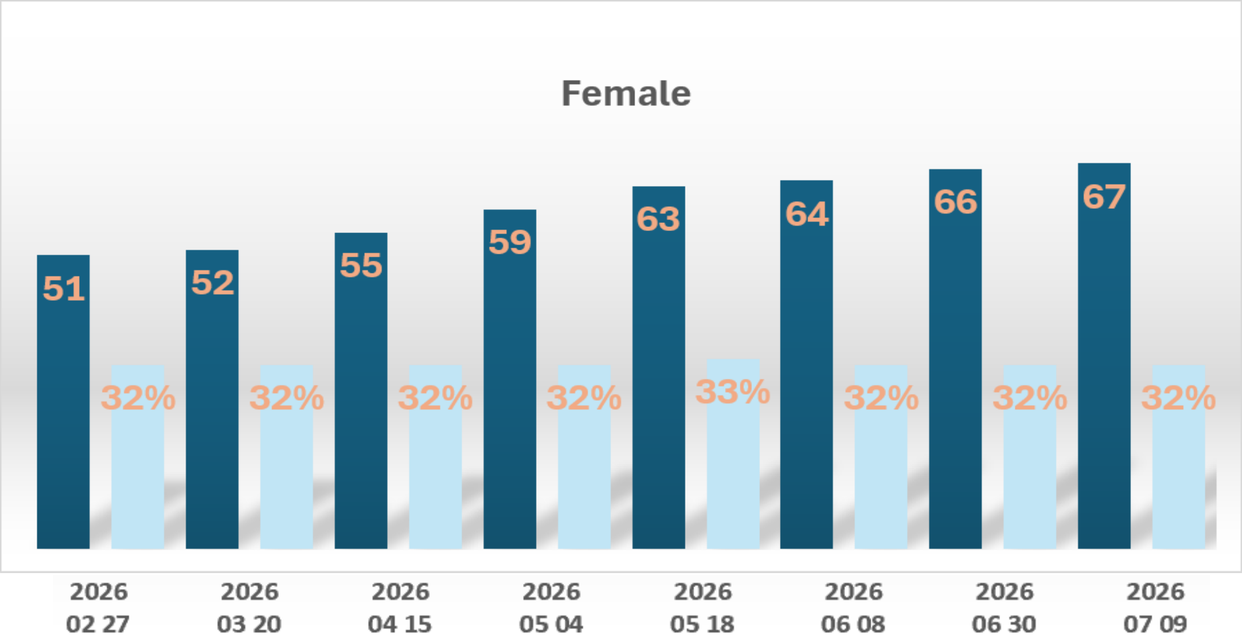
Updated to 09 07 2026

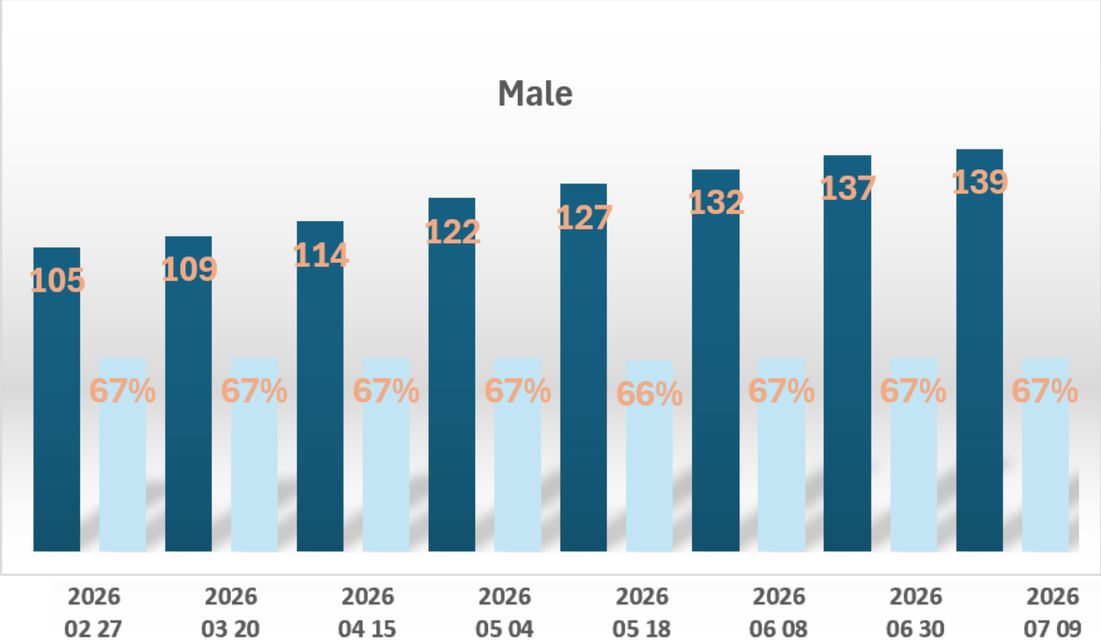
Gender

Updated to 09 07 2026



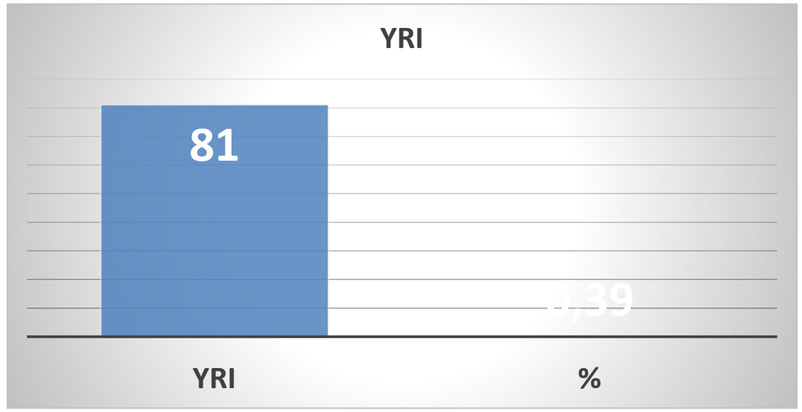


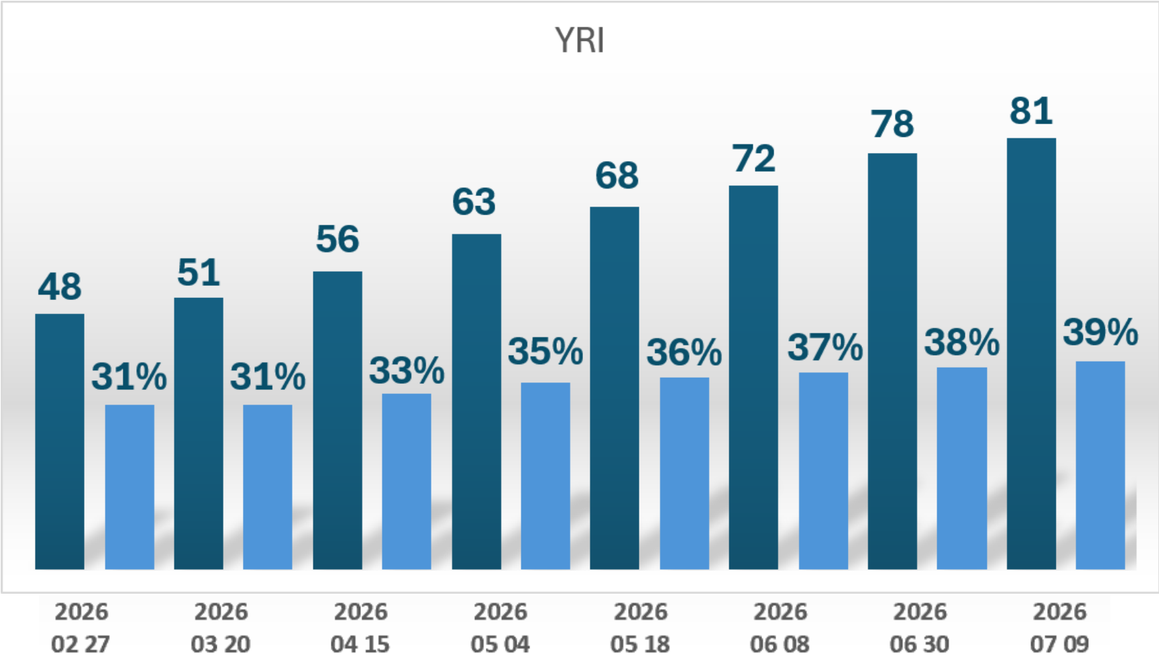




Young researchers

Updated to 09 07 2026





Working Group 7 - Mentoring, training and dissemination
Dr. Michela Esposito, Dr. Catalina Oana Curceanu

Young Researchers' Coordinator
Dr. Eugenia Naselli

Events' Coordinator
Dr. Eva Marguí

Grant Awarding Coordinator
Dr. Magdalena Skurzok

Working Group 3 - Software Advancement
Dr. Manuel Sanchez Del Rio

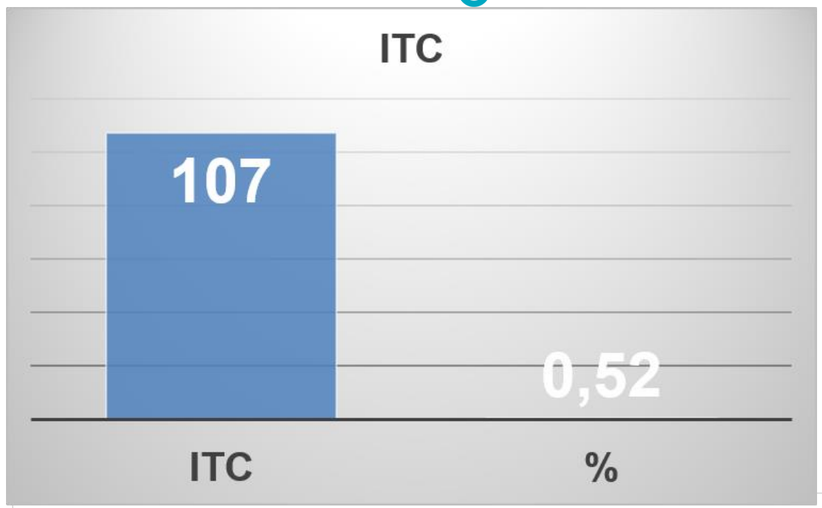
Call for Young Researcher and Innovator Conference Grants (YRIC)

Call for Short-Term Scientific Missions (STSM) – Hosting Institution list of institutions that have expressed interest in hosting Short-term Scientific Missions

ESRF-ENRICH Oasys School EOS26 concluded in Grenoble (WG3 - Software Advancement)

ENRICH Mentoring Programme – Call for Mentees
Early Career Researchers (PhD students, postdoctoral fellows, and junior scientists) are invited to apply to be matched with an experienced mentor from the ENRICH network.

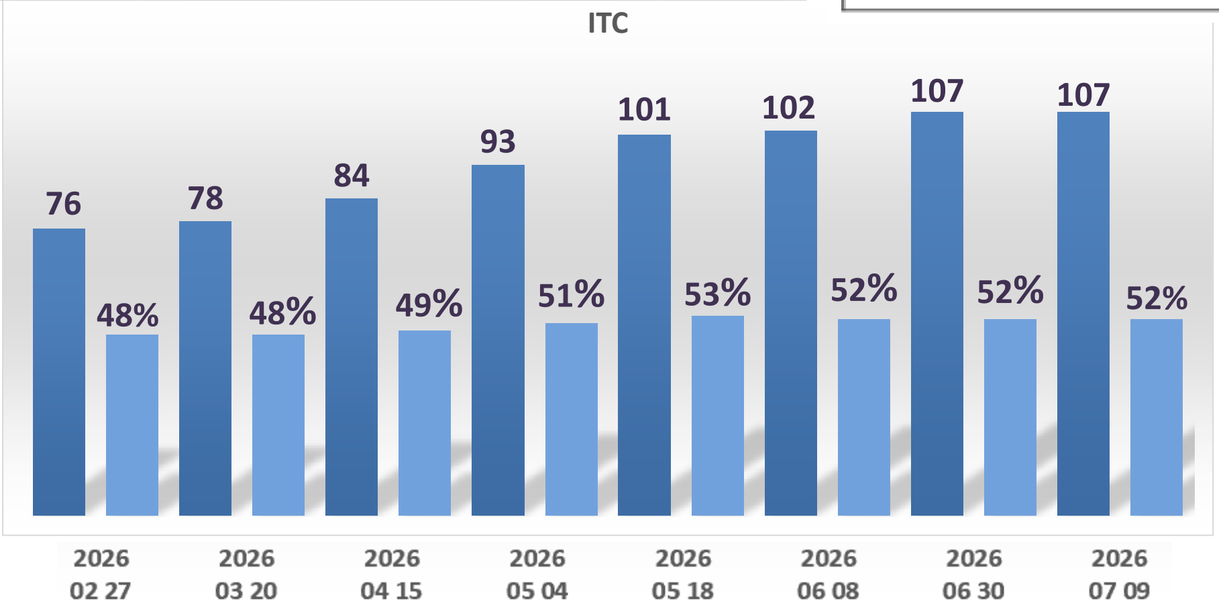
ITC Inclusiveness Target Countries



ITC participants
ITC non-participants

COST Inclusiveness Target Countries are as follows:

EU Member States	EU Member States Outermost Regions[4]	Full Members that are not EU Member States
Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Greece, Hungary[5], Latvia, Lithuania, Malta, Poland, Portugal, Romania, Slovakia and Slovenia	French Guiana, Guadeloupe, Martinique, Mayotte, Reunion Island and Saint-Martin (France), Azores and Madeira (Portugal), and the Canary Islands (Spain)	Albania, Armenia, Bosnia and Herzegovina, Georgia, Moldova, Montenegro, North Macedonia, Serbia, Türkiye, Ukraine

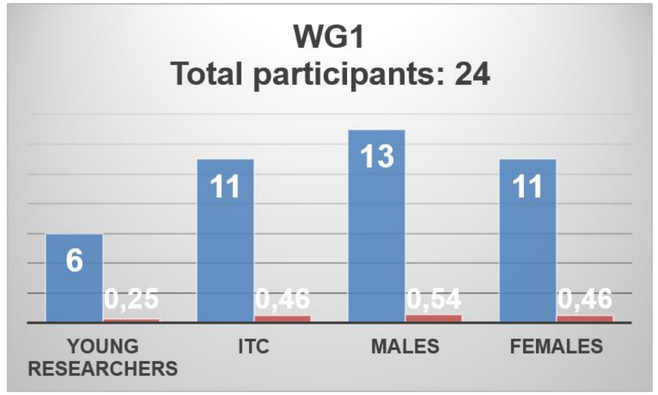


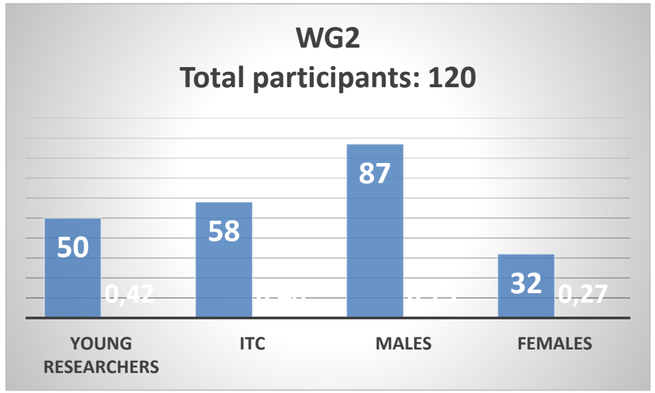
[Call for Inclusiveness Target Country Conference Grants (ITCC)]

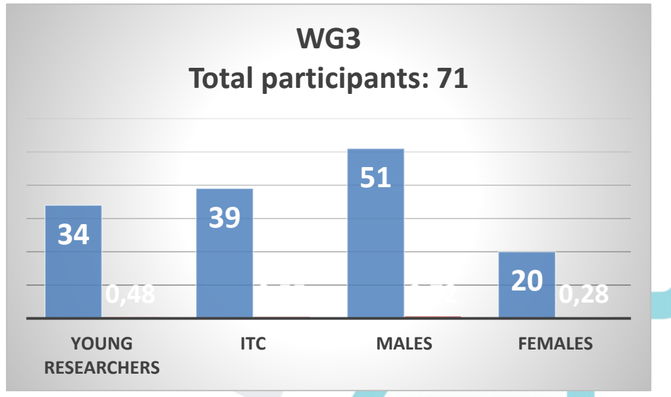
ITC Conference Grantees receive financial support to attend a conference and present their work through an oral presentation.

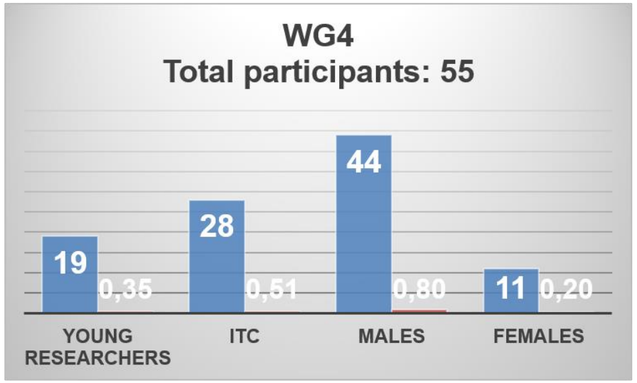
Updated to 09 07 2026

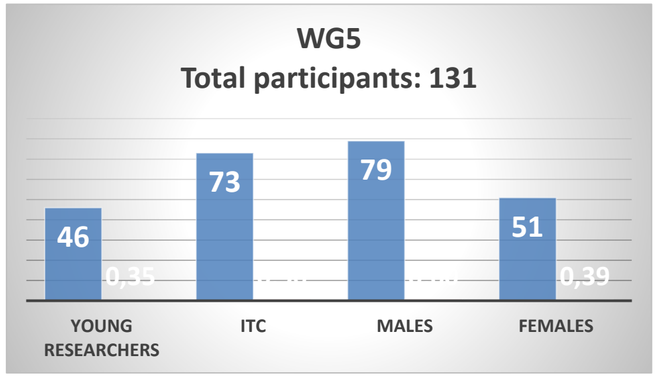
WG participants

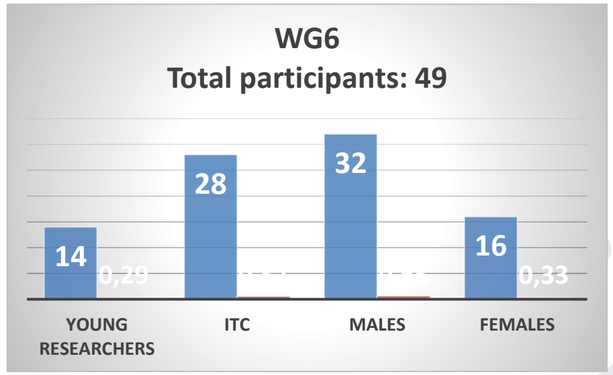


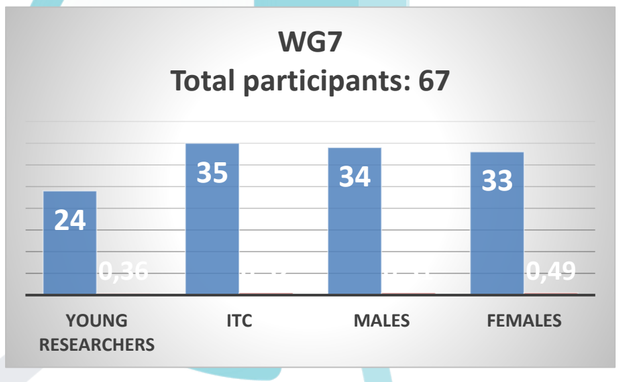










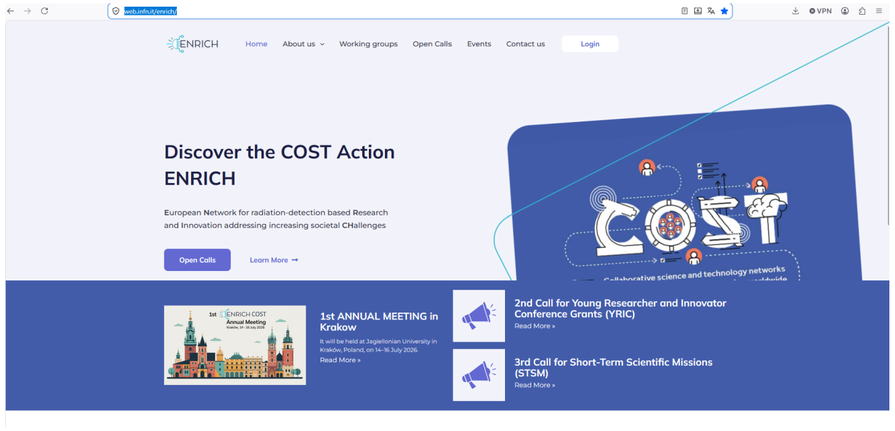


Updated to 09 07 2026

ENRICH

Tasks
T1.1: Compilation of all the research teams and subcommunities initially involved in the ENRICH Action(RCO1)
T1.2: Census and compilation of existing research teams and subcommunities potentially interested in joining the ENRICH Action to promote its goals and enlarge the community (RCO1, CBO1, CBO2).
T1.3: Promote and maintain links among the various WGs by organizing regular meetings among WG leaders and disseminating the advancement of the ENRICH Action to the participants through annual reports, internal notes, websites and similar initiatives (RCO1, CBO3). A set of mailing lists and newsletters will be also created for the various WG, the management, the general public, etc.

Website https://web.infn.it/enrich/



Digital flyer

Science Communication Coordinator
Dr. Adriana Postiglione

Mailing lists : WGs, Core group (WG Leaders Co-leadrs, Coordinators)

Annual report *in progress*

Plans for next year

Plans

- Regular update of census (D1.2, T1.2)
- Promote the enlargement of ENRICH community (T1.2)
- Dissemination of ENRICH activities to the participants with annual reports, internal notes, website, newsletters (T1.3).
- Monitoring of publications and presentations based on work from ENRICH
- Promote and maintain links among the various WGs (T1.3) to improve collaborations between WGs: regular coordination meetings among WG leaders and coordinators (D1.1), contact persons from each WG for regular updates and reports.

Your suggestions are welcome!

Place for eventual Instutional Logo (if not, remove

ENRICH

Acknowledgements

Papers, Events, Public Presentations, etc.,

Acknowledgements

This presentation is based upon work from COST Action ENRICH - CA24131, supported by COST (European Cooperation in Science and Technology).

COST (European Cooperation in Science and Technology) is a funding agency for research and innovation networks. Our Actions help connect research initiatives across Europe and enable scientists to grow their ideas by sharing them with their peers. This boosts their research, career and innovation.

www.cost.eu

Thank you for your attention