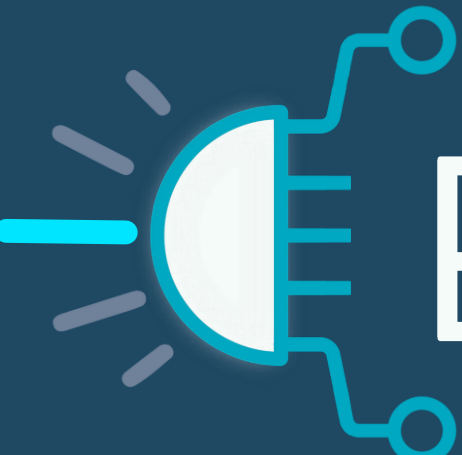


Eva Marguí

Department of Chemistry
University of Girona (Spain)

COST ACTION CA24131

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



ENRICH

Event Coordinator's Report

The contribution of the Event's Coordinator within the ENIRCH COST Action is focused on:

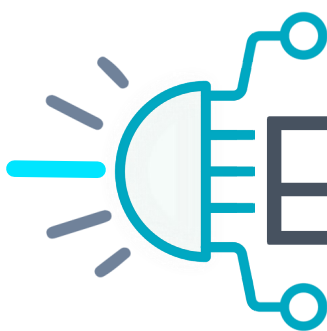
Collecting information of the COST ACTION activities:

- Activity-1: Expressions of interest to host STSMs
- Activity-2: WGs activities (GP2)
- Activity-3: Expression of interests to host activities

The contribution of the Event's Coordinator within the ENIRCH COST Action is focused on:

Collecting information of the COST ACTION activities:

- Activity-1: Expressions of interest to host STSMs
- Activity-2: WGs activities(GP2)
- Activity-3: Expression of interests to host activities



Activity-1: Expressions of interest to host STSMs

PROPOSAL TO HOST SHORT TERM SCIENTIFIC MISSIONS (STSMs)

Host Organization (Name, website)	
Location/Country	
Short description of the activities that could be done during the period of stay	
Available Resources (Laboratories, experimental set-ups, beamlines, spectrometers, software, etc....)	
Specific instrumental details (γ -, X-ray Detectors, X-ray sources, data acquisition systems, etc.)	
Relevance with ENRICH WGs	
Length of the STSM	
Contact person (name, surname, email)	

During GP1, seven institutions from different countries including Italy, Poland, Sweden, France, and Spain expressed their interest in hosting STSMs:

<https://web.infn.it/enrich/category/stsms/>.

INFN Laboratori Nazionali di Frascati

Characterization of X-ray detectors (stability, linearity, energy and time resolution) for spectroscopy: novel Silicon Drift Detectors of 1mm thickness; CZT detectors in various geometries...

[Read More »](#)

Jagiellonian University

During the stay the participant may take part in ongoing research related to J-PET technology (a novel type of Positron Emission Tomography scanner based on plastic scintillators).

[Read More »](#)

University of Trieste

Collaborating on new applications of existing imaging systems. Developing techniques, hardware, and software for image reconstruction and retrieval. Participating in seminars and networking.

[Read More »](#)

University of Girona

During the stay in the QAA research group participants of the Short-Term Scientific Mission (STSM) will be able to test and analyze samples of their interest using the X-ray fluorescence techniques available (TXRF, EDXRF, micro-XRF). They will participate in the measurements and further data treatment.

[Read More »](#)

Excillum A

Open to proposals. We can provide access to our demo systems, X-ray sources, and X-ray imaging know-how. Our application lab works mainly with imaging (micro-CT, nano-CT, laminography) with the electronics/semiconductor and battery industry as main focus.

[Read More »](#)

European Synchrotron radiation Facility

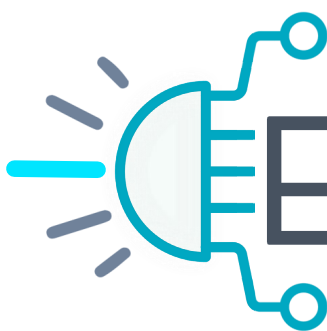
Personal training on ray tracing and collaboration on calculations and models for advanced x-ray systems (e.g. von Hamos spectrometers, Wolter telescopes, advanced Kirkpatrick-Baez, etc.)

[Read More »](#)

CNR-Nanotec, Rome, Italy

During the STM stay at CNR NANOTEC Rome, the visitor will undertake interdisciplinary research activities beginning with advanced X ray tomography and radiography, X ray diffraction and fluorescence, supported by dedicated tools for image reconstruction and quantitative analysis.

[Read More »](#)



Activity-1: Expressions of interest to host STSMs

During GP1, seven institutions from different countries including **Italy, Poland, Sweden, France, and Spain** expressed their interest in hosting STSMs:

<https://web.infn.it/enrich/category/stsms/>.

INFN Laboratori Nazionali di Frascati

- **Host organization:** INFN-LNF, Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Frascati
- **Location/Country:** Frascati (Rome), Italy
- **Description of activities:** Characterization of X-ray detectors (stability, linearity, energy and time resolution) for spectroscopy: novel Silicon Drift Detectors of 1mm thickness; CZT detectors in various geometries; crystal spectrometer for extreme precision of X rays. Readout electronics and data analyses methods. Discussion of possible applications in science and for society.
- **Length of the STSM:** From 2 weeks to 1 months.
- **Contact:** catalina.curceanu@lnf.infn.it
- **More information is available here:** [📄](#)

INFN Laboratori Nazionali di Frascati

Characterization of X-ray detectors (stability, linearity, energy and time resolution) for spectroscopy: novel Silicon Drift Detectors of 1mm thickness; CZT detectors in various geometries...

[Read More »](#)

Jagiellonian University

During the stay the participant may take part in ongoing research related to J-PET technology (a novel type of Positron Emission Tomography scanner based on plastic scintillators).

[Read More »](#)

University of Trieste

Collaborating on new applications of existing imaging systems. Developing techniques, hardware, and software for image reconstruction and retrieval. Participating in seminars and networking.

[Read More »](#)

University of Girona

During the stay in the QAA research group participants of the Short-Term Scientific Mission (STSM) will be able to test and analyze samples of their interest using the X-ray fluorescence techniques available (TXRF, EDXRF, micro-XRF). They will participate in the measurements and further data treatment.

[Read More »](#)

Excillum A

Open to proposals. We can provide access to our demo systems, X-ray sources, and X-ray imaging know-how. Our application lab works mainly with imaging (micro-CT, nano-CT, laminography) with the electronics/semiconductor and battery industry as main focus.

[Read More »](#)

European Synchrotron radiation Facility

Personal training on ray tracing and collaboration on calculations and models for advanced x-ray systems (e.g. von Hamos spectrometers, Wolter telescopes, advanced Kirkpatrick-Baez, etc.)

[Read More »](#)

CNR-Nanotec, Rome, Italy

During the STM stay at CNR NANOTEC Rome, the visitor will undertake interdisciplinary research activities beginning with advanced X ray tomography and radiography, X ray diffraction and fluorescence, supported by dedicated tools for image reconstruction and quantitative analysis.

[Read More »](#)

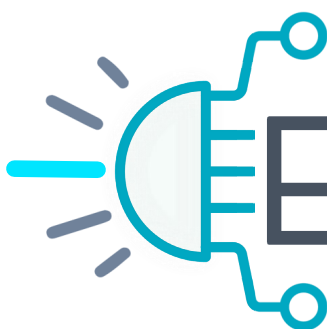


New Call for institutions
at the beginning of GP2

The contribution of the Event's Coordinator within the ENIRCH COST Action is focused on:

Collecting information of the COST ACTION activities:

- Activity-1: Expressions of interest to host STSMs
- **Activity-2: WGs activities (GP2)**
- Activity-3: Expression of interests to host activities



Activity-2: WGs activities in each Grant Period

PROPOSAL OF ACTION EVENTS

Type of activity (Meeting, training school)	
Related Action Objectives and Deliverables from MoU (See next page)	
Title of the activity (i.e, WG1 meeting, etc)	
Attendance type (Face-to-face, hybrid, on-line)	
Location/Country	
Duration of the event (i.e, 1.5 days, etc)	
Expected total number of participants	
Number of participants eligible for reimbursement	

Important information about the rules of networking activities organized through action events can be found in Annex-1 of the Annotated Rules for Cost Actions (<https://www.cost.eu/uploads/2025/11/COST-094-21-Annotated-Rules-for-COST-Actions-Level-C-V3.0-25-IX-2025.pdf>)



Working Group 1 - Community Coordination +

Working Group 2 - Technological Advancement +

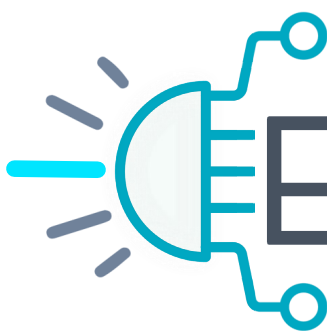
Working Group 3 - Software Advancement +

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 +



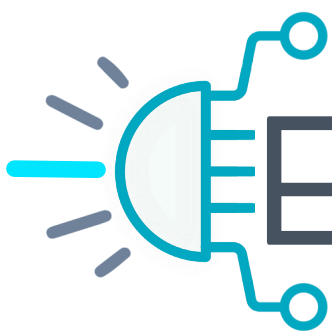
Activity-2: WGs activities in each Grant Period

WG3



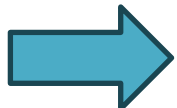
Type of activity (Meeting, training school)	Training School
Related Action Objectives and Deliverables from MoU (See next page)	This Training School is directly linked to RCO5 of the ENRICH MoU, namely the comparison and exchange of advanced data fitting and simulation techniques focusing on novel Machine Learning algorithms, including targeted training to standardize effective data analysis techniques. Within the Action implementation, the school is particularly relevant to WG3 (Software Advancement), especially tasks T3.3 and T3.4, and to WG7 (Mentoring, Training and Dissemination), especially T7.2. The related MoU deliverables are D7.1 Training Sessions Reports. Through hands-on KNIME training, reusable workflows, and practical instruction in preprocessing, machine learning, validation and interpretation, the activity will support reproducible and standardized data analysis practices across the ENRICH community.
Title of the activity (i.e, WG1 meeting, etc)	Machine Learning and Data Analysis using the KNIME analytics platform.
Attendance type (Face-to-face, hybrid, on-line)	Hybrid
Location/Country	Institute of Nuclear and Particle Physics, NCSR Demokritos, Athens, Greece.
Duration of the event (i.e, 1.5 days, etc)	5 days
Expected total number of participants	30
Number of participants eligible for reimbursement	

Type of activity (Meeting, training school)	Workshop
Related Action Objectives and Deliverables from MoU (See next page)	Objectives: 1,5,(7),(11),15 Deliverables: 1,(6)
Title of the activity (i.e, WG1 meeting, etc)	AI for X-ray instrumentation (simulations, control, optimization and digital twins)
Attendance type (Face-to-face, hybrid, on-line)	Face-to-face
Location/Country	To be discussed. Not in my institute as we already make a School in GP1. Suggestions: Spain (e.g. Sitges), Greece (in cooperation with other WG3 members)
Duration of the event (i.e, 1.5 days, etc)	3-5 days
Expected total number of participants	~30
Number of participants eligible for reimbursement	To be decided.



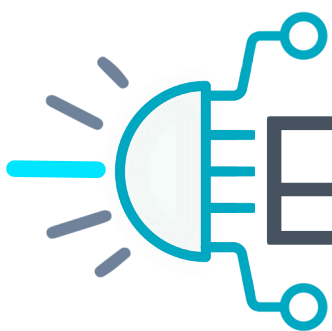
Activity-2: WGs activities in each Grant Period

WG4



Type of activity (Meeting, training school)	Satellite meeting at conference For example: https://www.nanoinnovation2026.eu/home/index.php
Related Action Objectives and Deliverables from MoU (See next page)	D4.1 and D4.2 and objectives 10, 13 and 14
Title of the activity (i.e, WG1 meeting, etc)	Nanoinnovation Electronics and DAQ Workshop
Attendance type (Face-to-face, hybrid, on-line)	Face-to-face
Location/Country	Rome, Italy
Duration of the event (i.e, 1.5 days, etc)	1 day (additional to the conference)
Expected total number of participants	~10
Number of participants eligible for reimbursement	~6-10 (speakers at the workshop, and if budget permits additional participants for discussions)

Type of activity (Meeting, training school)	Formal Webinar and Q&A
Related Action Objectives and Deliverables from MoU (See next page)	D4.2 and objectives 10, 13 and 14
Title of the activity (i.e, WG1 meeting, etc)	Joint Webinar on Electronics and DAQ
Attendance type (Face-to-face, hybrid, on-line)	Online
Location/Country	UK/Italy
Duration of the event (i.e, 1.5 days, etc)	1 day
Expected total number of participants	~20-50
Number of participants eligible for reimbursement	~2 (speakers at the workshop time)

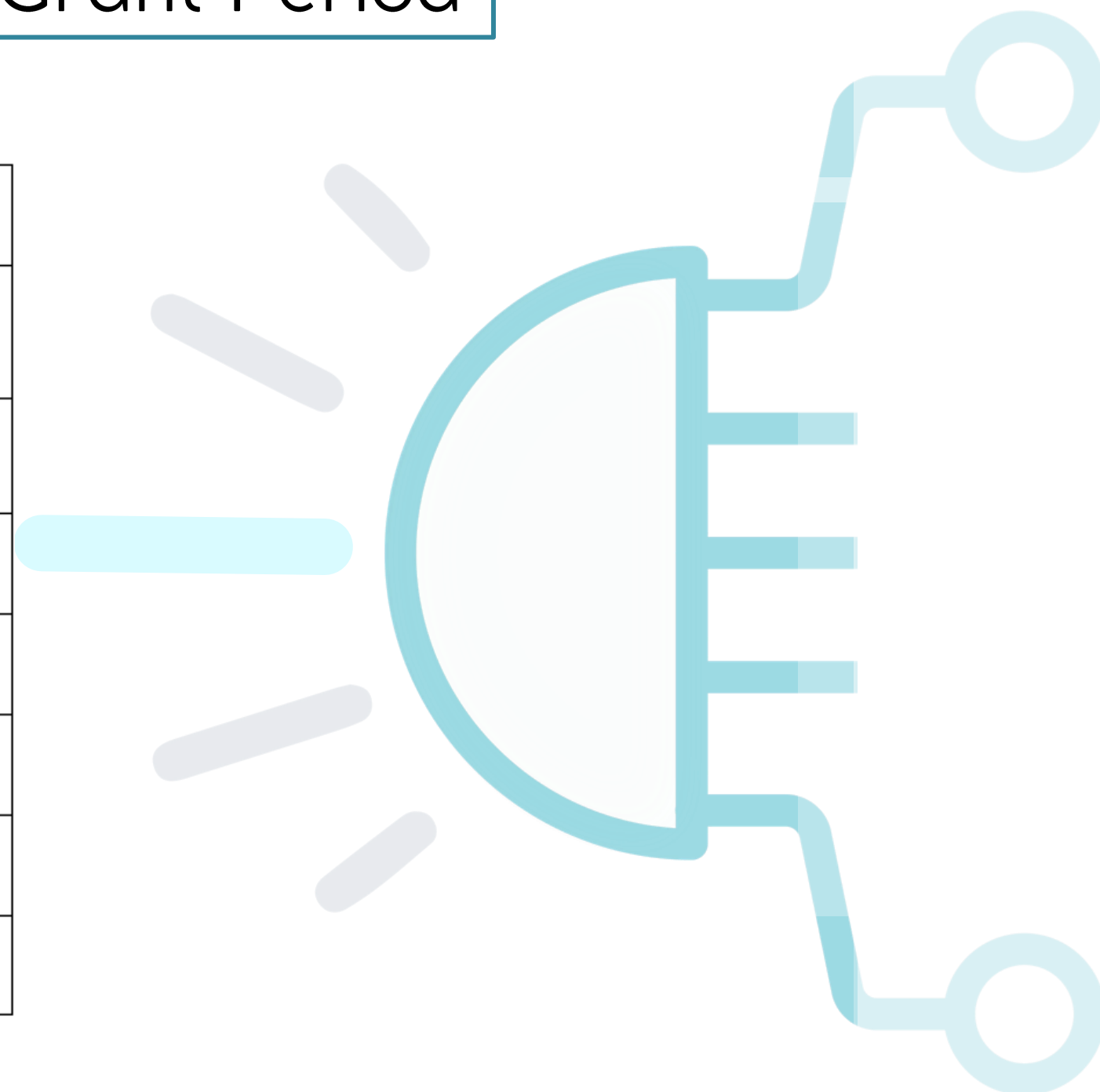


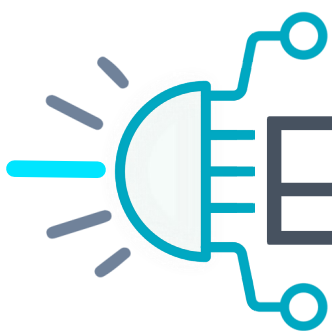
Activity-2: WGs activities in each Grant Period

WG5



Type of activity (Meeting, training school)	Workshop and meeting
Related Action Objectives and Deliverables from MoU (See next page)	D5.2 and D5.3
Title of the activity (i.e. WG1 meeting, etc)	Workshop with WG5 meeting
Attendance type (Face-to-face, hybrid, on-line)	Face-to-face
Location/Country	To be decided (possibility Frascati, Italy,)
Duration of the event (i.e. 1.5 days, etc)	2 days (incorporated into existing conference: https://agenda.infn.it/event/43727/overview)
Expected total number of participants	30
Number of participants eligible for reimbursement	15



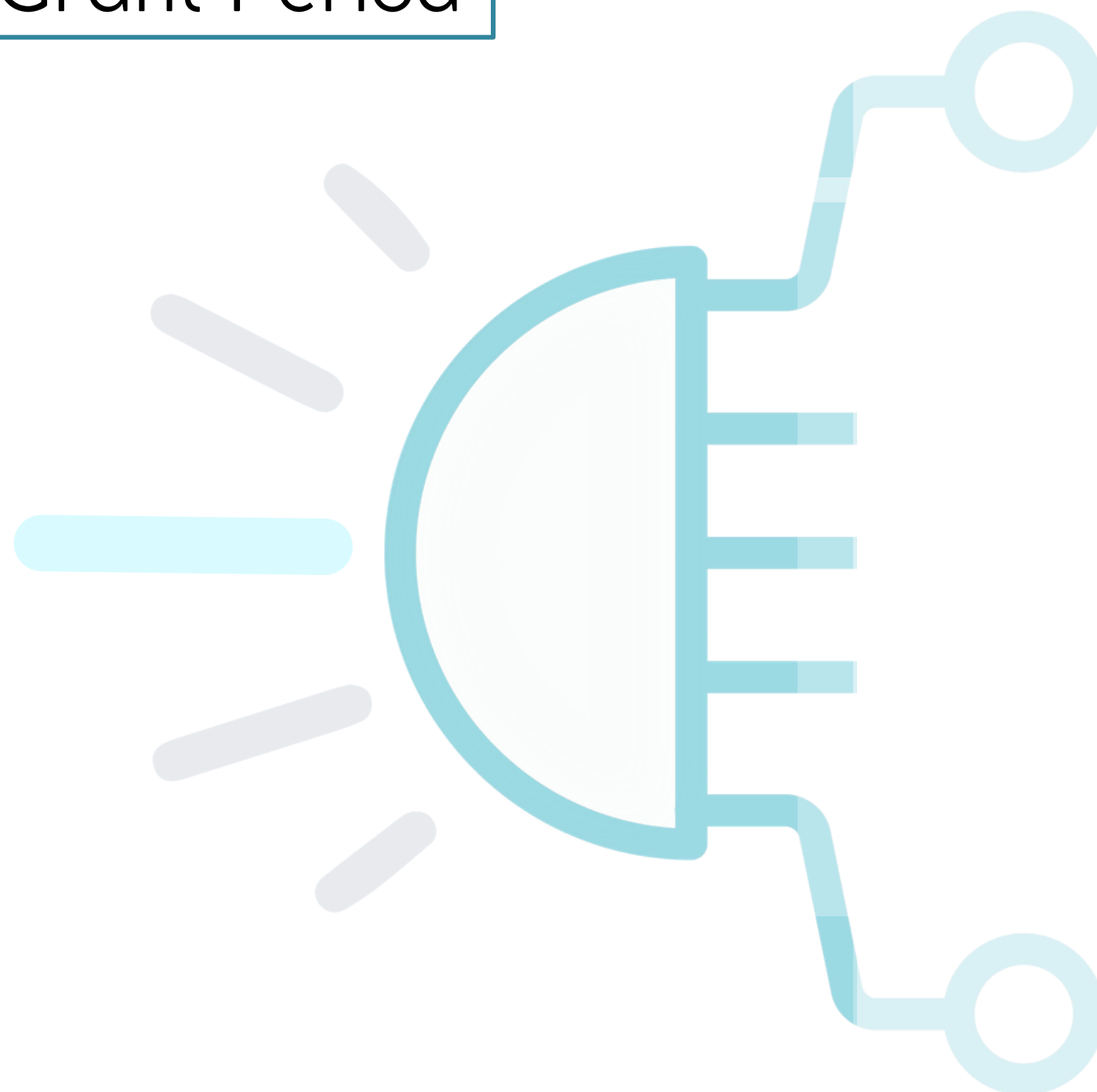


Activity-2: WGs activities in each Grant Period

WG7



Type of activity (Meeting, training school)	2 x Public engagement events
Related Action Objectives and Deliverables from MoU (See next page)	Cannot find the relevant deliverable but this is in the dissemination plan (3.2.2) of MoU "Special emphasis will be placed on engaging the General Public. Organizing public lectures, science cafés, open days, and community events will engage the public in discussions about photon radiation, its applications, and its societal impact."
Title of the activity (i.e, WG1 meeting, etc)	1. Public engagement event linked to the annual meeting GP2 (2027) 2. Public engagement event linked to a training school or other in-person event (TBD) in GP2 (2027)
Attendance type (Face-to-face, hybrid, on-line)	Face-to-face
Location/Country	Same locations as the main event
Duration of the event (i.e, 1.5 days, etc)	2 x 1 Evening (with scientific talks open to the general public)
Expected total number of participants	100 participants per event.
Number of participants eligible for reimbursement	None.
Expected costs	• 2 x Costs associated with the venue • Costs to make some ENRICH advertisement material (badge pins, leaflets etc). EUR2000 • If catering for the public is eligible EUR 3000 • Cost for invited speakers to public event (10 speakers)



The contribution of the Event's Coordinator within the ENIRCH COST Action is focused on:

Collecting information of the COST ACTION activities:

- Activity-1: Expressions of interest to host STSMs
- Activity-2: WGs activities in each Grant Period
- **Activity-3: Expression of interests to host activities**

Activity-3: Activity-3: Expression of interests to host activities

PROPOSAL TO HOST COST ACTION ACTIVITIES

Type of activity (Meeting, training school)	
Attendance type (Face-to-face, hybrid)	
Institution	
Location/Country	
Available facilities (rooms, capacity...)	
Maximum number of participants	
Preferred periods of availability	
Contact person (name, surname, email)	

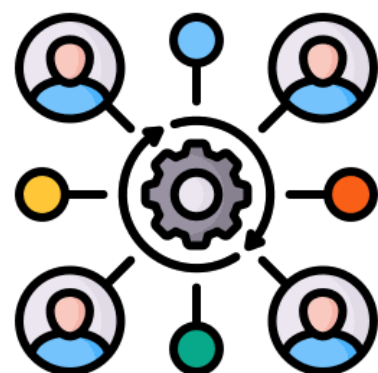
Important information about the rules of networking activities organized through action events can be found in Annex-1 of the Annotated Rules for Cost Actions (<https://www.cost.eu/uploads/2025/11/COST-094-21-Annotated-Rules-for-COST-Actions-Level-C-V3.0-25-IX-2025.pdf>)



PROPOSAL TO HOST COST ACTION ACTIVITIES

Type of activity (Meeting, training school)	Annual Meeting
Attendance type (Face-to-face, hybrid)	Hybrid
Institution	Institute of Nuclear and Particle Physics, NCSR Demokritos
Location/Country	Athens/Greece
Available facilities (rooms, capacity...)	1 Room, 30 participants for face to face
Maximum number of participants	30 for face to face
Preferred periods of availability	15/6/2027-20/7/2027 & 1/9/2027-15/9/2027 15/6/2028-20/7/2028 & 1/9/2028-15/9/2028
Contact person (name, surname, email)	Konstantinos Karafasoulis ckaraf@gmail.com Aristotelis Kyriakis kyriakis@inp.demokritos.gr

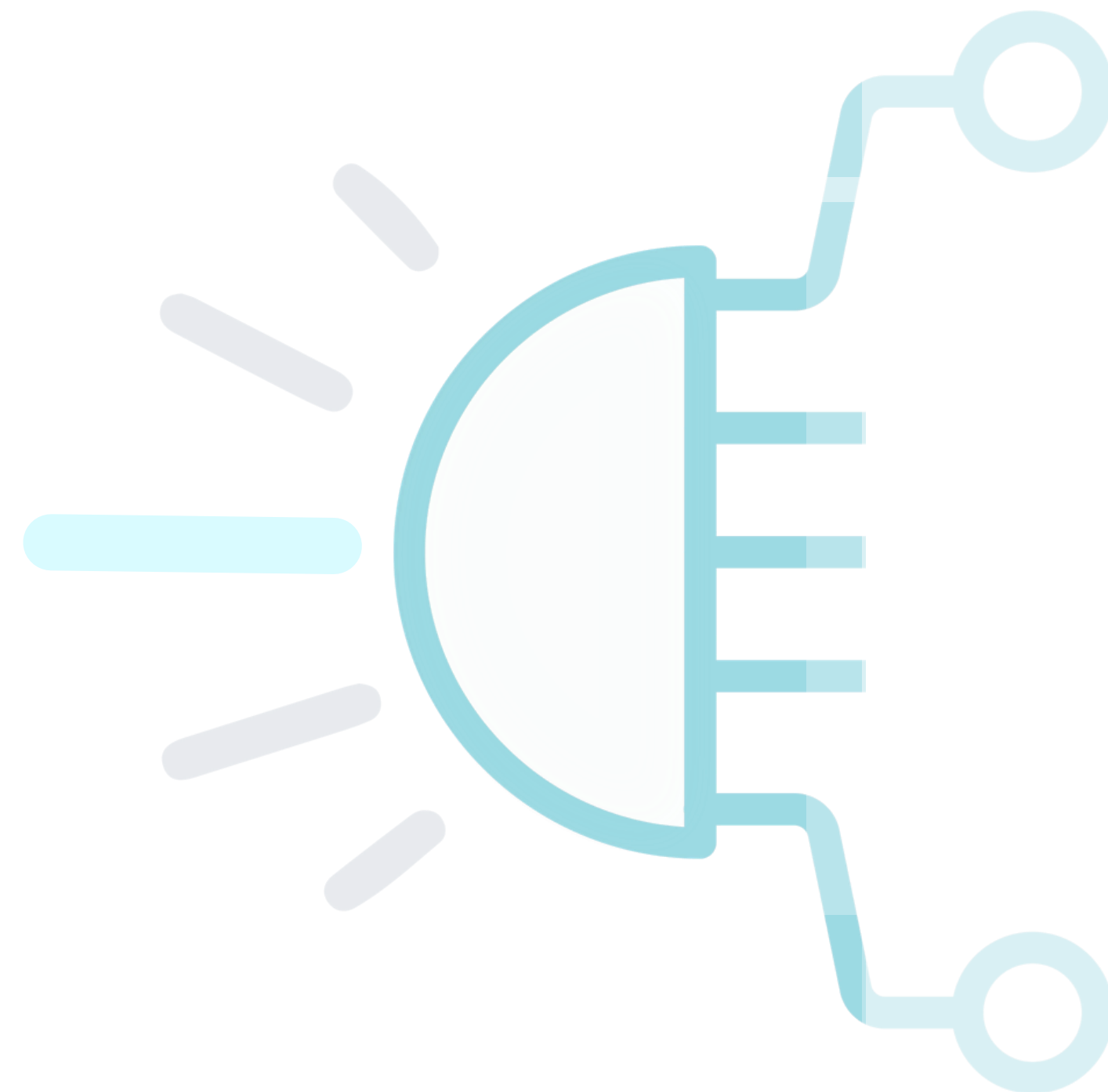
Thanks!

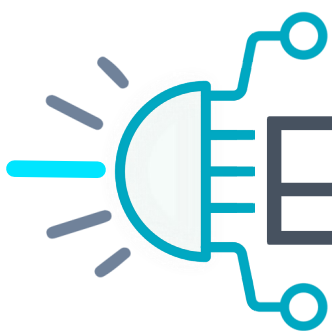


If you need to contact me:



eva.margui@udg.edu





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

