

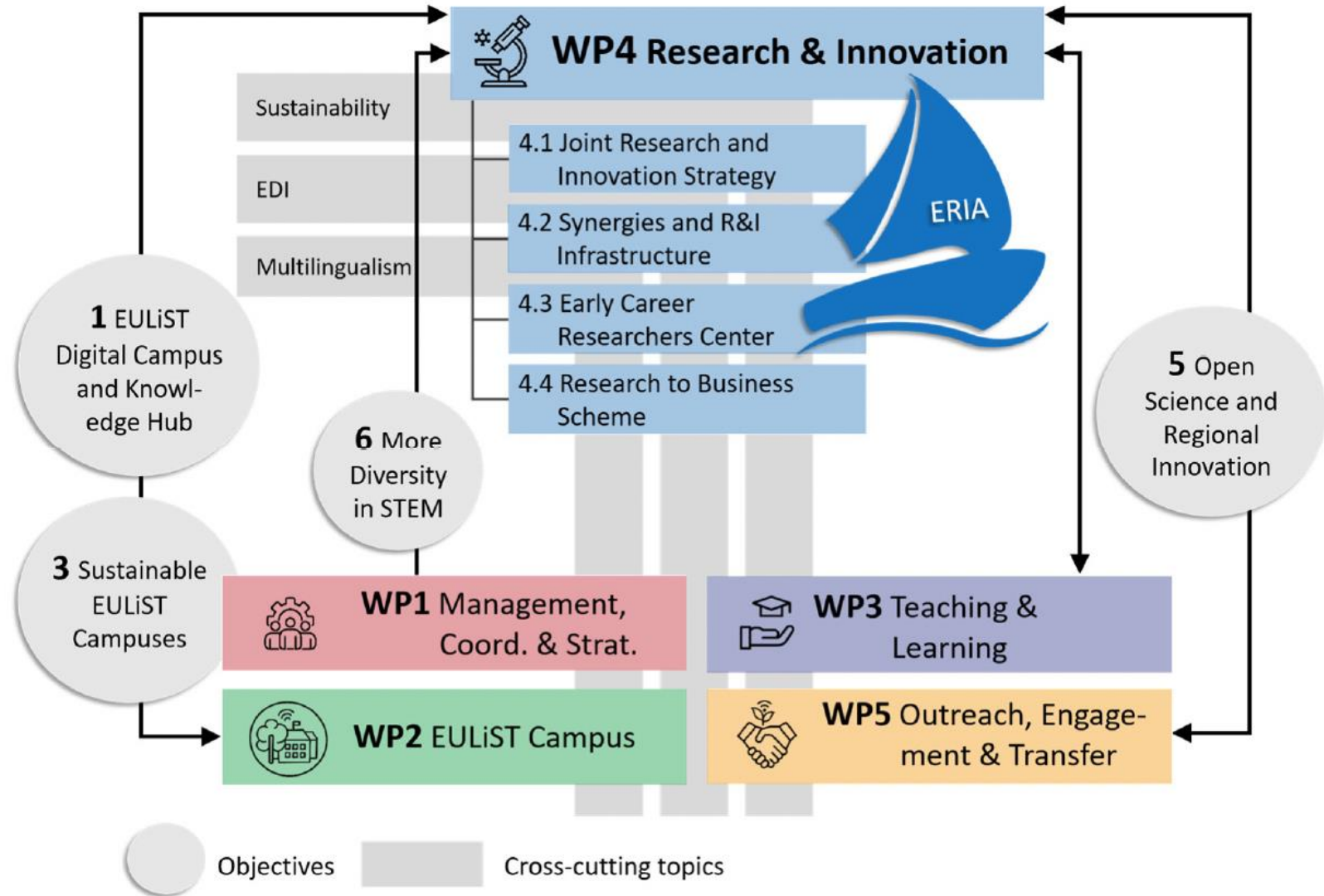
Το ΕΜΠ Συντονιστής του EULiST στην έρευνα

Σωτήριος Καρέλλας
Καθηγητής ΕΜΠ

19.12.2023



The goal of WP4 is to
 1) evaluate and 2) align the
 research focus areas and
 expertise of each EULiST
 Member and establish
synergies for creating a
 solid basis for **joint
 scientific excellence**



Tasks of WP4

WP 4	NTUA, Sotirios Karellas	STU, Maximilián Strémy	EULIST Research & Innovation	Description
4.1.	NTUA, Sotirios Karellas sotokar@mail.ntua.gr	LUT, Petri Ajo Petri.Ajo@lut.fi	Joint Research and Innovation Strategy	An R&I strategy, focusing on SDGs and the support of local and Europe-wide transdisciplinary research-based innovation processes (incl. EULIST Early-Career Researchers Centre and training in practical work-life skills relevant to industry and other sectors).
4.2.	URJC, Santiago Gómez Ruiz santiago.gomez@urjc.es	TUW, Barbara Sanchez Solis barbara.sanchez@tuwien.ac.at	Synergies and R&I Infrastructure	High-quality, transdisciplinary research, education, and training by providing and supporting equal, effective, and quality-driven access to R&I infrastructures (incl. tools, data, platforms or labs) across the Alliance.
4.3	UNIVAQ, Maria Benedetta Mattei mariabenedetta.mattei@univaq.it	JU, Lucia Naldi, lucia.naldi@ju.se	Early-Career Researchers Centre	A virtual Early-Career Researchers Centre offering support structures that address the needs of both pre- and post-docs and facilitate transdisciplinary research.
4.4	IMT, Marc Delage eulist@imt.fr	STU, Lucia Rybanská, ksp@stuba.sk	Research to Business Scheme	Setting up a framework to support and identify any research results that can be valorised with a focus on start-up creation (entrepreneurship and innovation cross-level training programmes for students and researchers, best-practice sharing within EULIST and with Associated Partners, industries, local innovation support bodies, constitution and sharing of business experts, first IP discussions with HEIs, etc.). The main objective of this task is to bring to light valorisation and start-up ideas to feed into Task 5.2 (Innovation Hubs and Joint Living Labs)

Contents

- Joint Research and Innovation Strategy
- Research Fridays, EULiST Early Career Research Centre.
- Where do we want to be by the end of the project?
- What actions need to be taken to achieve our goal?

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- Joint Research and Innovation Strategy 4.1:
interactive discussion of task.
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Green Transition



“covered within student projects, joint doctoral theses and research projects”

Joint Research and Innovation strategy



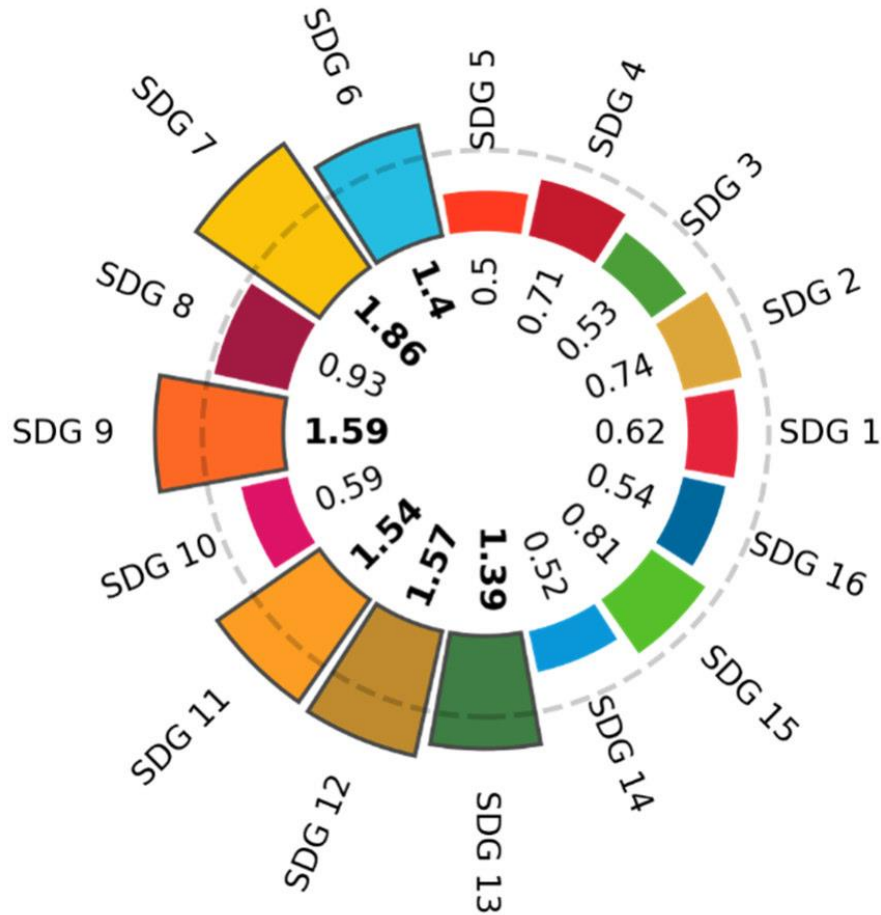
ACTIVITY	YEAR 1 (2024)				YEAR 2 (2025)				YEAR 3 (2026)				YEAR 4 (2027)			
	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4
Task 4.1 – Joint Research and Innovation Strategy	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Task 4.2 – Synergies and R&I Infrastructure	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Task 4.3 – Early-Career Researchers Centre	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Task 4.4 – Research to Business Scheme	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█

D4.1 EULiST research strategy (M12)

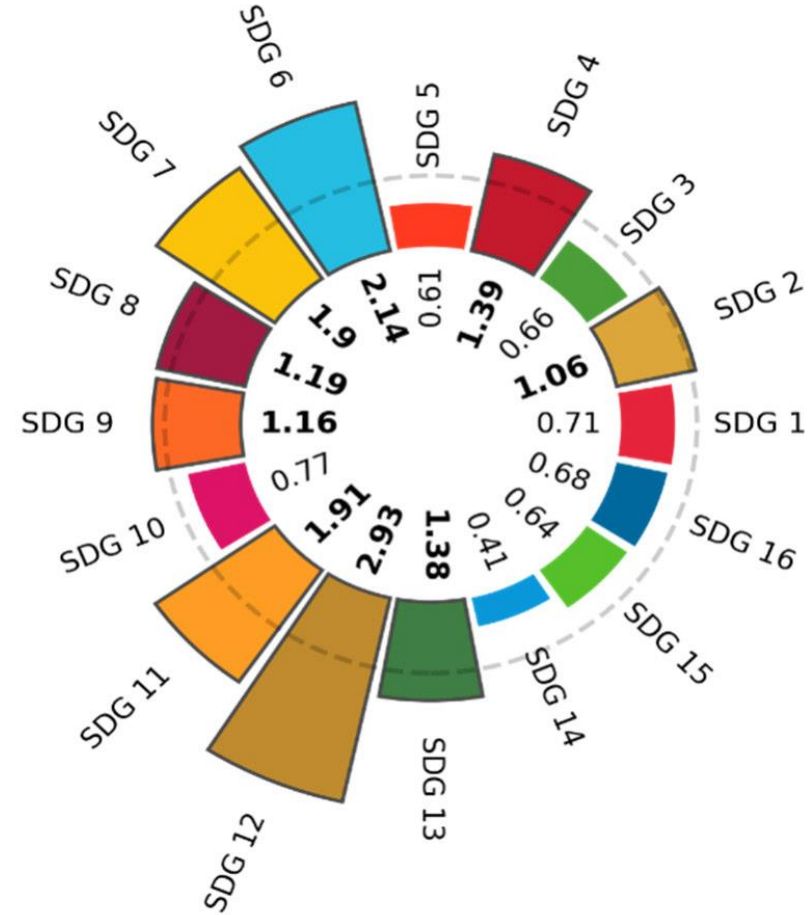
Each EULiST Member’s strategy will be aligned with SDGs according to each Member’s research areas of excellence, and a common Strategy report will be generated.

Joint Research and Innovation Strategy

The two Specialisation Indexes shown identify the SDGs in which EULiST Members specialise as compared to the rest of Europe.



Specialisation Index (SI) of the EULiST Members' publications, by SDG



Specialisation Index (SI) of EULiST Members' H2020 projects, by SDG

The EULiST Research and Innovation Academy (ERIA)

- *Joint R&I Strategy*
- *EU Proposals Roadmap*
- *facilitating the sharing of expertise among EULiST Members*
- *acting as the interface between the universities and stakeholders.*
- *Dissemination of research and innovation results (industry, national academies, research and educational institutions and organisations, municipalities and the public)*

Open Science and regional innovation



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Friday's for Research

- Start on the FIRST Friday after the beginning of the funding.
- It will take place every FIRST Friday of the month
- Topics set until the 10th of the previous month according to the available calls
- Two parallel panels, very much concentrated on specific research topics

1st Friday (2nd February): Energy storage and Renewables

2nd Friday (1st March): Material - science (3D Printing, Manufacturing)

3rd Friday (5th April): Bioengineering

4th Friday (tbd): Environmental research / climate change

5th Friday (tbd): Smart cities/campus

The exact topic will depend on the available calls



Actions for 2024

Research calls for collaboration!



I WANT YOU!

Adobe Stock | #133306356

- Every University provides a call for collaboration in specific dates in topics that interest the host University for 2-3 months time
- Applicants/researchers from the EULIST Universities apply until a specific deadline
- The host University accepts applicants from each University (Ideally at least one per University)
- They are working on Labs or at research teams of the host University

Aim:

At least 3 common scientific Publications per year

At least 2 common PhDs per year

At least 10 researchers mobilized in the EULIST Universities

Ideas for topics for Common PhDs (Interdisciplinary and parallel)

- Material Science
- Artificial Intelligence
- Hydrogen Energy – Hydrogen Valleys
- Positive Energy Campuses
- Hybrid Renewable Energy systems
- Energy storage
- Bioengineering
- Climate change / sustainability

Point of View:

- Technological
- Basic Research
- Policy
- Economical
- Society
- Environment



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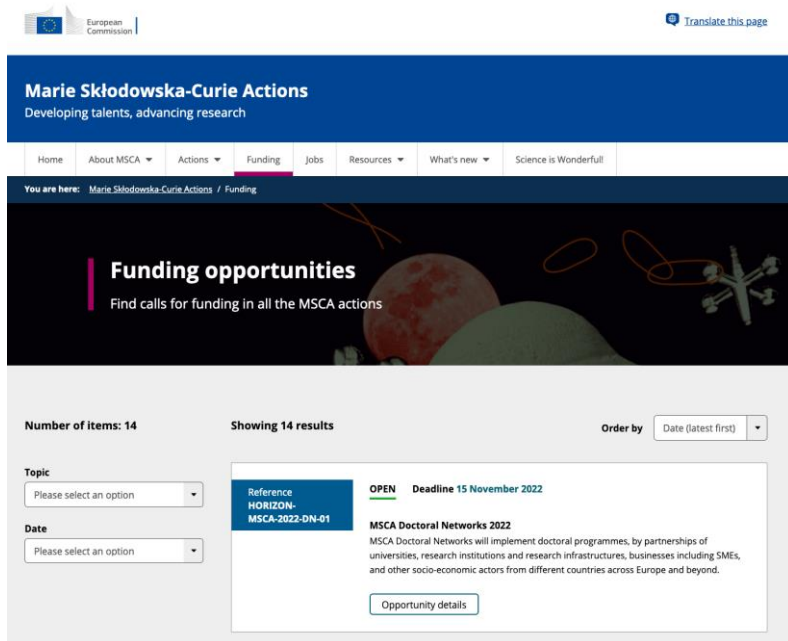
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Actions for 2024

Establishment of common PhDs with industry

- Establishment of common industrial PhDs, providing the link between Industry and EULIST (3)
- Establishment of common PhDs by means of Marie Curie (3 applications)



The screenshot shows the Marie Skłodowska-Curie Actions website. The header includes the European Commission logo and a 'Translate this page' button. The main navigation bar contains links for Home, About MSCA, Actions, Funding, Jobs, Resources, What's new, and Science is Wonderful. The 'Funding' tab is active. Below the navigation, a breadcrumb trail reads 'You are here: Marie Skłodowska-Curie Actions / Funding'. The main content area features a banner for 'Funding opportunities' with the text 'Find calls for funding in all the MSCA actions'. Below the banner, there are filters for 'Number of items: 14', 'Showing 14 results', and 'Order by Date (latest first)'. A search filter for 'Topic' is set to 'Please select an option', and a filter for 'Date' is also set to 'Please select an option'. A search result is displayed for 'Reference HORIZON- MSCA-2022-DN-01', which is 'OPEN' with a 'Deadline 15 November 2022'. The description for this result is 'MSCA Doctoral Networks 2022. MSCA Doctoral Networks will implement doctoral programmes, by partnerships of universities, research institutions and research infrastructures, businesses including SMEs, and other socio-economic actors from different countries across Europe and beyond.' An 'Opportunity details' button is located below the description.



Researcher's night (30th of September 2022)



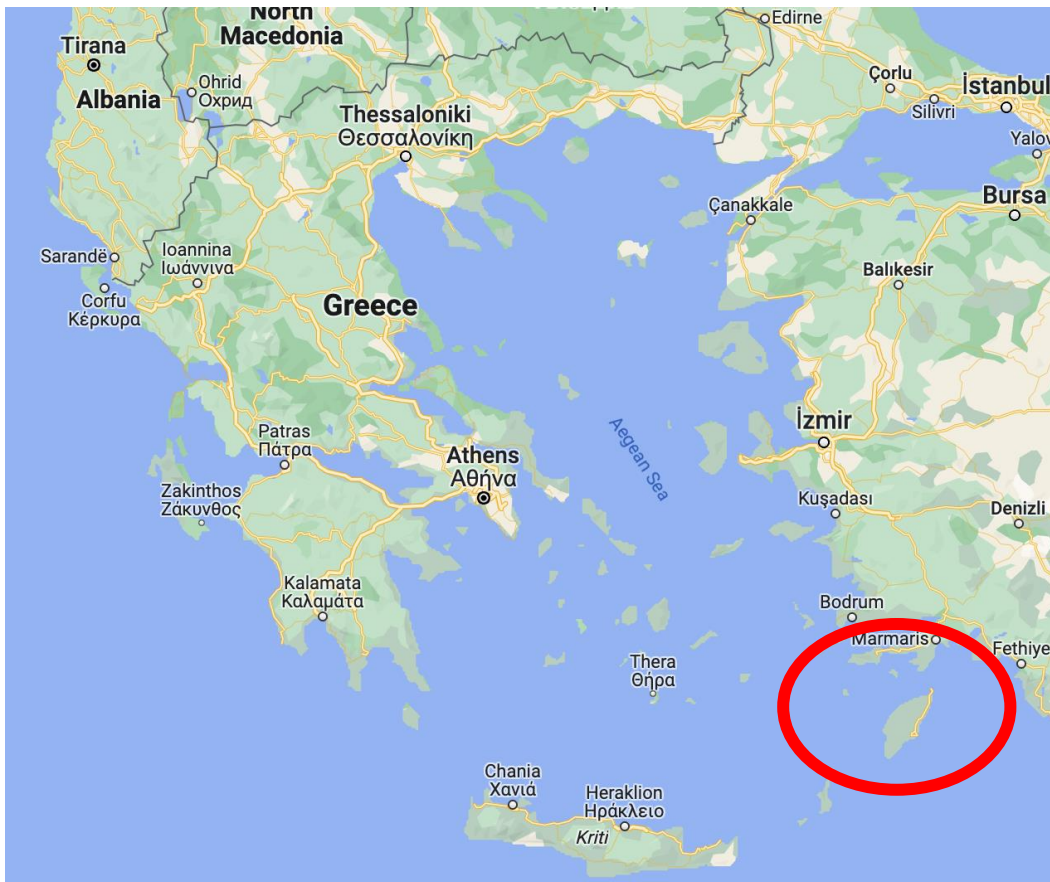
EULIST

Researcher's night (29th of September 2023)



EULIST

Rodos ECOS2024, 37th International conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems



Organization - Information



National Technical University of Athens
Tel: +30210-7723272
E-mail: renes@central.ntua.gr

ECOS 2024
RHODES, GREECE

Organizing Committee:



Sotirios
Karellas



Soteris
Kalogirou



Emmanuel
Kakaras



George
Tsatsaronis



NB Events- Conference Services
www.nbevents.gr



37th International
Conference on Efficiency,
Cost, Optimization,
Simulation, and
Environmental Impact of
Energy Systems

30 June - 4 July 2024
Rhodes, Greece

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EULIST Proposal



