

RUN-EU RESEARCH CHALLENGE SAP DELIVERING ON THE GREEN TRANSITION WITHIN THE EU

24.APR-28.APR.2023

SAP OVERVIEW

In the challenge of Delivering on the Green Transition within the EU, the participants will get the opportunity to learn about the cutting-edge sustainability topics essential for the green transition in our economy. They can acquire this knowledge through sub-topics closely connecting this SAP's goal. The subject of green products, cities, architecture, and mobility will be incorporated. During the week, the participants get insights into the relevant and up-to-date results of sustainability research from internationally recognized professors.

LEARNING OUTCOMES

At the end of this RUN-EU SAP, you will be able to:

- think creatively (generate new ideas, evaluate and select the most appropriate ones),
- improve research skills,
- improve transversal and soft skills through teamwork and cooperative project methodology,
- elaborate on cooperative research topics by utilizing new approaches,
- articulate integrated research definition based on the sustainability challenges of European society,
- improve sustainable and innovative thinking in cooperation with others to achieve a common goal,
- recognize cutting-edge topics in the green transition,
- consider interdisciplinary aspects of green products, cities, architecture, and mobility.

+INFO: www.run-eu.eu

Organised by:
Széchenyi István University (SZE)
Polytechnic Institute of Cávado and Ave (IPCA)

DATE From 24 to 28 April 2023

Face-to-Face Week: Széchenyi István University, Győr, Hungary
24-28 April 2023

MODE OF DELIVERY Presential

LANGUAGE OF INSTRUCTION English

ECTS CREDITS 1

ACADEMIC RECOGNITION

To be defined by each home institution.

ELIGIBLE PARTICIPANTS

All RUN-EU Degree Students and Researchers

HOW TO APPLY

Fill in the application form ([QR](#) or [website](#))



DEADLINE FOR APPLICATIONS

29 March 2023

CONTACT DETAILS

Péter Németh (SZE)
nemeth.peter@sze.hu

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SELECTION CRITERIA

Background, motivation, wide representation of subject areas/fields and balanced participation of RUN-EU member institutions. Priority will be given to students who are developing research at a master's or PhD level. Degree students who prove to be involved in research projects can apply. A maximum of 35 students will be selected for this programme. The selection team will also take steps towards ensuring a diverse and representative group of students.

LEARNING AND TEACHING STRATEGY

Active learning, learner-centered teaching, collaborative methods, challenge-based learning, and project-based learning. Activities: problem-solving tasks; discussions; project work; presentations; peer teaching/learning; group work; mentor support, site visits in Hungary.

PRE-REQUISITES

No specific prerequisites

COURSES LEADERS | LECTURERS

Contact person:

Péter Németh (SZE) - nemeth.peter@sze.hu

Course Leaders:

Dr. András Torma (SZE) - torma@sze.hu

Dr. Ricardo Simoes (IPCA) - rsimoes@ipca.pt

Lecturers:

Dr. Katalin Czakó (SZE) - ckatalin@sze.hu

Dr. Adrienn Buruzs (SZE) - buruzs@sze.hu

Dr. Miguel Santos (IPL) - miguel.f.santos@ipleiria.pt

Dr. João Vilaça (IPCA) - jvilaca@ipca.pt

Dr. Jorge Pereira (IPCA) - jmpereira@ipca.pt

Dr. András Nagy (SZE) - nagy.andras1@sze.hu

Dr. Tamás Horváth (SZE) - htms@sze.hu

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PHYSICAL MOBILITY | SCHOLARSHIPS AVAILABLE

For students:

For students:

Maximum number of mobile students: 30

Students' scholarships:

Travel: to be managed by Home Institution

Travel costs depend on where the students travel from.

From Austria €230/person

From Finland €270/person

From Ireland €330/person

From the Netherlands €260/person

From Portugal €380/person

Subsistence: 510€/W

To be managed by Home Institution

Flows/Institution.

Applicant selection aims for a wide representation of partner institutions implying a maximum of five students per university. Final decision on the scholarships to be awarded falls under the responsibility of the Home Institution RUN-EU Project Leader and compulsorily requires IRO involvement.

MEANS AND CRITERIA FOR ASSESSMENT

Active participation

Final presentation

Reflection

CERTIFICATION

The participants who successfully complete this RUN-EU SAP, will receive a Certificate of Participation and a Transcript of Records jointly issued by the organising institutions.

RUN-EU RESEARCH CHALLENGE SAP DELIVERING ON THE GREEN TRANSITION WITHIN THE EU

WEEK 1 • 24-28.APRIL.2023 • FACE-TO-FACE WEEK • GYOR

PROGRAMME AT A GLANCE

+INFO: www.run-eu.eu

GMT+2	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
LOCAL TIME	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00
GMT	8h00	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00
MONDAY 24/04	OPENING SESSION	GET-TOGETHER/ ICEBREAKING	FUZZY-BASED WASTE MANAGEMENT	LUNCH BREAK	TECHNICAL INTRO - GREEN TECHNOLOGIES	TEAMWORK (WORKSHOP) GREEN TECHNOLOGIES	LEISURE ACTIVITIES: CAMPUS VISIT				
TUESDAY 25/04	PHOTO	TECHNICAL INTRO GREEN PRODUCTS	DISRUPTIVE THINKING	LUNCH BREAK	TEAMWORK (WORKSHOP) GREEN PRODUCTS		LEISURE ACTIVITIES				
WEDNESDAY 26/04	TECHNICAL INTRO GREEN CITY AND ARCHITECTURE		INNOVATION	LUNCH BREAK	TEAMWORK (WORKSHOP) GREEN CITY AND ARCHITECTURE		LEISURE ACTIVITIES: GYOR CITY TOUR				
THURSDAY 27/04	TECHNICAL INTRO GREEN MOBILITY		DESIGN THINKING	LUNCH BREAK	TEAMWORK (WORKSHOP) GREEN MOBILITY		FREE TIME	HUNGARIAN NIGHT (TILL 21:00)			
FRIDAY 28/04	PREPARATIONS	PRESENTATION		LUNCH BREAK	LEARN WELL FEEDBACK (group) on SAP		TRAVELLING HOME				

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24 APRIL

MONDAY - 9H00-19H00 - GYOR

GMT+2	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00	20h00
GMT+1	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00
GMT	8h00	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00

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Opening session

🕒 09h00-10h00
👤 Dr. Katalin Czakó

📄 In the opening session Katalin Czakó gives an insight on the concept of narrowing research topic in green and digital transitions and future socio-economic challenges. Florian Buehler presents experiences and challenges from making research as PhD and research activity after. In the research intro part, suggested framework of Teamworks will be presented.

Fuzzy-based waste management Technical intro

🕒 11h00-12h00
👤 Dr. Adrienn Buruzs

📄 As sustainability issues gain higher importance, the management of such complex decisions becomes critical. A fuzzy cognitive map (FCM) can successfully represent knowledge and human experience, introducing concepts to represent the essential elements and the cause-and-effect relationships among the concepts to model the behavior of any system.

🕒 13h00-14h00
👤 Dr. András Torma

Nowadays, it is crucial to ensure all the necessary elements of green transition, which key elements are the application of state-of-the-art technologies. The computer-aided sustainability provides higher efficiency, lower costs, and a more comprehensive monitoring system that enables decision-makers to make the right environmental policies based on accurate and real data.

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25 APRIL

TUESDAY - 9H00-19H00 - GYOR

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GMT+1	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00
GMT	8h00	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00

TUESDAY 25/04	PHOTO	TECHNICAL INTRO GREEN PRODUCTS	DISRUPTIVE THINKING	LUNCH BREAK	TEAMWORK (WORKSHOP) GREEN PRODUCTS	LEISURE ACTIVITIES
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Technical intro

🕒 09h00-11h00
👤 Dr. Ricardo Simoes

📄 It is possible to significantly improve the circularity of products and reduce the environmental impact of processes through proper planning starting at the design stage, including with methodologies such as design for X, circular design, life-cycle thinking, and others. This lecture will give an overview of current issues and challenges of sustainability as a whole, as well as specific approaches, techniques, and methodologies that can guide decision-making toward improving sustainability.

Disruptive thinking

🕒 11h00-12h00
👤 Dr. Miguel Santos

📄 The lecture discusses the value of employing noise and disturbances to expand existing notions of sustainability and green economy to the complexities of a multispecies society where coexistence, coevolution and empathy are key markers.

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26 APRIL

WEDNESDAY - 9H00-19H00 - GYOR

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GMT+1	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00
GMT	8h00	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00

**WEDNESDAY
26/04**

TECHNICAL INTRO
GREEN CITY AND ARCHITECTURE

INNOVATION

LUNCH
BREAK

TEAMWORK (WORKSHOP)
GREEN CITY AND ARCHITECTURE

**LEISURE ACTIVITIES:
GYOR CITY TOUR**

Technical intro

🕒 09h00-11h00
👤 Dr. Tamás Horváth

Innovation

🕒 11h00-12h00
👤 Dr. João Vilaça

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27 APRIL

THURSDAY · 9H00-19H00 · GYOR

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GMT+1	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00	19h00
GMT	8h00	9h00	10h00	11h00	12h00	13h00	14h00	15h00	16h00	17h00	18h00

THURSDAY 27/04	TECHNICAL INTRO GREEN MOBILITY	DESIGN THINKING	LUNCH BREAK	TEAMWORK (WORKSHOP) GREEN MOBILITY	FREE TIME	HUNGARIAN NIGHT (TILL 21:00)
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Technical intro

🕒 09h00-11h00

👤 Dr. András Nagy

📄 Currently the most debate in environmental protection is connected to the green transition of the transportation sector. Through this presentation, all the state-of-the-art green vehicle propulsion technologies and mobility technologies will be introduced, focusing on the multidisciplinary nature of the topic.

Design thinking

🕒 11h00-12h00

👤 Jorge Pereira

📄 This session will explore practical tools for applying design thinking principles within research ideas and teams. With an open-themed feature, accessible to participants from all areas of studies, it will explore core methodologies in order to conceive and develop design thinking in applied research, embedding this new approach to innovation into its cultures and processes.

SHORT
ADVANCED
PROGRAMME

RUN
REGIONAL
UNIVERSITY
NETWORK
EUROPEAN UNIVERSITY

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28 APRIL

FRIDAY - 9H00-19H00 - GYOR

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FRIDAY 28/04	PREPARATIONS	PRESENTATION	LUNCH BREAK	LEARN WELL FEEDBACK (group) on SAP	TRAVELLING HOME
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