

Widening Country Inspiration Story

“Take advantage of support from National contact points and experienced colleagues to navigate requirements effectively.”

Organisation name: University of Maribor, Faculty of Energy Technology
Organisation type: Higher education organisation
Country: Slovenia
Project Acronym: DSYREKI
Project start and end date: 1.09.2024 - 31.08.2028
Type of MSCA, Horizon Europe: Staff Exchanges
Is your organisation a coordinator?
 Yes



What is your project about?

The DSYREKI project advances dynamical systems theory, developing mathematical models for better insights into biochemical and biomedical networks. Focused on stationary points, periodic solutions, and chaotic trajectories, it addresses key scientific questions around multistationarity and oscillatory behaviour using advanced mathematical tools. DSYREKI's interdisciplinary approach bridges mathematics with healthcare and environmental sustainability, aligning with SDG 3 (Good health and well-being) and SDG 13 (Climate action), to enhance knowledge and tools for complex scientific challenges.

Why is your project important for society?

The DSYREKI project could be valuable for society by potentially enhancing healthcare and environmental sustainability. Through advancements in mathematical modelling of biochemical processes, it might lead to improved approaches for disease

treatment, sustainable energy solutions, and pollution reduction, aligning with global health and environmental goals and addressing challenges like chronic illnesses and resource management.

What communication and public engagement measures have you foreseen?

Public engagement efforts include workshops, social media outreach, and partnerships with educational institutions to make scientific concepts more accessible, foster STEM interest, and encourage dialogue on DSYREKI's potential societal impacts.

What kind of support did you get?

During the application process, I received substantial support from several sources. Key assistance came from the Ministry, specifically from the National contact point for the Marie Skłodowska-Curie actions, who provided crucial guidance on navigating the proposal requirements. Additionally, project leaders from partner institutions

contributed valuable insights, helping to align our objectives and structure the project proposal effectively. Colleagues from the University of Maribor, particularly mathematicians, also offered their expertise in refining the mathematical framework of the project. These collaborative efforts ensured a well-rounded and competitive application.



How did you find the partners in your consortium?

The consortium partners were selected based on established collaborations and network connections. Some institutions are long-standing partners of ours, ensuring strong synergy and shared goals. Others were introduced through our partners' networks, in this way expanding expertise and reinforcing the project's interdisciplinary approach.

What tips can you give other organisations that would like to apply for MSCA?

For organisations planning to apply for MSCA, I would recommend the following:

- Begin the application process well in advance to allow ample time for research, writing, and revisions.
- Build a strong consortium with complementary expertise, as

collaboration enhances project impact and viability.

- Take advantage of support from national contact points and experienced colleagues to navigate requirements effectively.
- Clearly articulate the societal and scientific impact of your project, aligning it with EU priorities.
- Seek feedback from peers to refine your proposal before submission.

More information on the project:



The Marie Skłodowska-Curie Actions (MSCA) support researchers at all stage of their career across all disciplines. The MSCA also support cooperation between industry and academia and provide innovative trainings and career developments.

The MSCA Staff Exchanges (SE) funds short-term international and inter-sectoral exchanges of staff members involved in research and innovation activities with the aim to develop sustainable collaborative projects between different organisations from the academic and non-academic sectors (in particular SMEs), based in Europe and beyond.

The MSCA-NET project is the MSCA NCP project to facilitate the transnational cooperation to achieve a consistent and harmonised level of NCP support. The scientific community can also profit from our project to support their MSCA application.

