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What's new in SCEWERO?

The SCEWERO project continues to expand its impact, bringing together researchers, students, and the wider community to better understand and manage extreme weather events. In recent months, consortium partners have delivered intensive training sessions, organised the second Summer School and participated in international events and outreach activities. These initiatives have provided valuable opportunities to strengthen scientific skills, share knowledge, connect with European initiatives, and engage the public in climate-related topics. Together, they reflect SCEWERO's strong commitment to building scientific capacity, enhancing climate literacy, and strengthening resilience in Romania and beyond.

Training on AI for Climate Extremes ~ 25-26 June 2026

Held in Cluj-Napoca, the two-day Training on AI Tools for Extreme Events brought together SCEWERO partners and UBB participants to explore how artificial intelligence and machine learning can support the analysis and prediction of climate extremes. The training marked the final activity of Work Package 4 and focused on practical applications of AI to some of the most challenging weather and climate hazards.



The programme combined lectures, hands-on sessions, and discussions on machine learning approaches for detecting and forecasting heatwaves and intense precipitation, identifying drought, and statistical downscaling. Participants also explored how AI-based methods can be used to analyse climate data, identify drivers of extreme events, and improve understanding of local climate risks.

The training gave participants practical experience applying AI tools to climate-related challenges while encouraging knowledge exchange and interdisciplinary collaboration. Engaging discussions and a collaborative atmosphere between CMCC lecturers and UBB participants highlighted the value of combining advanced computational methods with climate expertise to better understand and address extreme events. Read more

Summer school on the use of AI for the analysis of extreme events ~ 22 – 24 June 2026

Held in Cluj-Napoca, the SCEWERO Summer School on AI Use for Climate Extremes brought together international students and young researchers for a three-day learning experience focused on using artificial intelligence and machine learning to analyse extreme weather and climate events. The programme introduced participants to the fundamentals of machine learning and climate extremes, then explored a wide range of applications, including heatwaves, intense precipitation, hail, cyclones, droughts, and compound events. Sessions also addressed AI-based



forecasting, climate data and modelling, ethical considerations in AI for climate science, and statistical and machine-learning-based downscaling approaches.

The Summer School represented a valuable opportunity for participants to deepen their understanding of emerging AI applications in climate science while engaging with researchers from different scientific backgrounds. Beyond the scientific programme, the event fostered knowledge exchange, networking, and connections among students, young researchers, lecturers, and organisers. Read more.

Public Engagement and Outreach

The School Climate Ambassadors Program

The School Climate Ambassadors programme reached its final stage with a debate that brought together the participating student teams for a final exchange of ideas and perspectives on climate-related challenges. The debate marked the competition's culmination, giving students the opportunity to demonstrate the knowledge, critical thinking, and communication skills developed throughout the programme.



The final event also brought the competition to a close with the awarding of first, second, and third prizes to the winning teams. While the results recognised the achievements of the top teams, the event highlighted the valuable experience gained by all participants through their involvement, collaboration, and engagement with climate-related topics. Special appreciation goes to the teachers who guided and supported the teams throughout the competition, as well as to the jury members for their thoughtful evaluation.

Beyond the competition, the programme has already generated a lasting impact in participating schools. Students have developed a stronger understanding of climate change and are prepared to contribute to climate adaptation and mitigation measures within their school communities. The conclusion of the School Climate Ambassadors programme therefore marks not only the end

of the competition, but also the beginning of a new stage in which students can turn their knowledge and ideas into meaningful climate action. Read more.

European Researchers' Night ~ 25 September 2026

As part of the 2026 European Researchers' Night, SCEWERO engaged the public in exploring climate change and its impacts through an interactive educational activity developed in cooperation with the European Climate Pact. The activity encouraged participants to test and expand their knowledge of climate-related challenges across key areas such as health, cities and water, agriculture, biodiversity, and energy. By connecting scientific knowledge with everyday choices and real-world impacts, the initiative aimed to raise climate awareness, promote climate literacy, and encourage reflection on how communities can contribute to a more resilient future.

Participation in major conferences

- EGU General Assembly 2026, Vienna, Austria
  3 – 8 May 2026
- 24th International Congress od Biometeorology, Novi Sad, Serbia
  13 – 16 July 2026.



Looking Ahead

In the coming months, SCEWERO will continue to strengthen scientific collaboration and develop skills in science communication, with a particular focus on communicating complex topics related to extreme weather, climate risks, and emerging technologies.
The Autumn School on Science Communication is planned for November and the Training on Science and Communication for the UBB researchers is planned for February 2027.
Alongside these activities, SCEWERO will continue to advance collaborative research and strengthen connections between researchers, communication specialists, and European and international networks. Together, these efforts will support the project's overarching goal of improving the understanding and communication of climate and extreme weather risks and contributing to greater societal resilience.

Upcoming Activities

- **Autumn School on Science Communication**
  9 – 11 November 2026
- **Training on Science and Communication**
  February 2027

Stay connected through our website and social media channels, and join us in shaping a more resilient future.

https://www.scewero.eu/