

ReSToRE 3 Summer School

Theme: Transitions: Society, Wind, and Water

University College Dublin, July 2024

Participants: 45 early-career professionals and researchers, 8 expert mentors from 29 countries (17 developing, 12 developed).



Global Reach and Interdisciplinary Focus

ReSToRE 3 brought together a diverse group of early-career professionals from geosciences, social sciences, humanities, and physical sciences. Participants tackled critical questions around sustainable resource management, human wellbeing, and equity, fostering a deeper understanding of interdisciplinary collaboration. This wide-ranging participation created lasting global connections and shared learning experiences, crucial for addressing climate challenges.

	Just Transition	Marine Spatial Planning	Resilient Communities	Water-Energy-Minerals Nexus
"Social"	 Dr Aparajita Banerjee German Institute of Development and Sustainability (IDOS) Germany	 Dr Tomas Buitendijk University College Dublin Ireland	 Dr Nadja Contzen Swiss Federal Institute of Aquatic Science and Technology (EAWAG) Switzerland	 Dr Jocelyn Fraser University of British Columbia Canada
"Geo"	 Lloyd Singura Mineral Resources Authority of Papua New Guinea Papua New Guinea	 Dr Mark Coughlan University College Dublin Ireland	 Dr Salem Gharbia Atlantic Technological University Ireland	 Dr. Irene del Real University of Chile Chile
	Workshop Champion: Kildare County Council	Workshop Champion: Electricity Supply Board (ESB)	Workshop Champion: Sligo County Council	Workshop Champion: Shannoo Resources

Workshops and Real-World Challenges

Participants engaged in four thematic workshops, which were introduced by Irish practitioners and co-led by experts from both social and natural sciences:

- Just Transition (Decarbonisation in Maynooth, Ireland)
- Marine Spatial Planning (Renewable energy at Moneypoint, Ireland)
- Resilient Communities (Addressing coastal erosion and flood risk)
- Water-Energy-Minerals Nexus (Sustainable mining practices and community engagement)
- Participants proposed actionable solutions, culminating in policy briefs presented to local Irish stakeholders, contributing directly to ongoing sustainability efforts.

"ReSToRE is helping me understand how I can really approach problems such as resource contamination... The conversations with people from different areas are allowing me to build a better perspective of how I should look at a problem." Participant of ReSToRE 3

PUBLIC TALKS

Eight expert mentors provided plenary lectures, which were live-streamed and recorded for public viewing. Topics ranged from renewable energy, just transition, and the future of mineral availability, to community resilience and policy engagement. These talks remain accessible [ONLINE](#) as a valuable resource to the broader community.

FIELD TRIPS AND CULTURAL EXCHANGE

A field trip to Howth, County Dublin, allowed participants to explore Ireland's unique geology while considering the integration of arts and humanities-based methods for valuing coastal ecosystems. This experience emphasised the importance of cultural contexts in sustainable resource management.

EXPANDING NETWORKS AND CAREER OPPORTUNITIES

The interdisciplinary and international nature of ReSToRE 3 opened new career pathways for participants. The combination of workshops, lectures, and social activities fostered collaboration, networking, and a platform for sharing perspectives. Participants have reported gaining new skills and ideas to apply in their respective countries and sectors.

BUILDING GLOBAL NETWORKS

The summer school expanded existing networks of ReSToRE alumni from previous editions, allowing a continuation of exchanging knowledge and collaborating. This growing community is committed to advancing sustainable resource management worldwide. We also invited alumni back to take the role as expert mentor to support their careers.

SPONSORS AND CONTRIBUTIONS

ReSToRE 3 was made possible through the generous sponsorship of international organisations, including the organising sponsors iCrag and the International Union of Geological Sciences (IUGS), as well as key sponsors UNESCO, Freeport-McMoRan, Manic, Rio Tinto, Satarla, SEG, VECTOR, NexSys, Marine Institute.

We also extend our gratitude to Kildare and Sligo County Council, ESB, and Shanon for their contributions.

A special thanks goes to Prof. John Walsh from the UCD School of Earth Sciences and Dr. Ashley Cahillane, Postdoctoral Researcher in Environmental Humanities, for their invaluable contributions.



LOOKING AHEAD: RESTORE 4

Building on the success of ReSToRE 3, planning for ReSToRE 4 is already underway. With a continued focus on interdisciplinary learning and global participation, future editions will explore new themes and challenges, fostering solutions to Earth resource management in the face of climate change.

CONTACT DETAILS

ReSToRE website:

www.icrag-centre.org/restore/



Or contact:

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