



PROGRAMME BOOK

29 May 2025

Rijeka, Croatia



FACULTY OF PHYSICS, LECTURE HALL O-029	
9:00	Registration
Opening Session	
9:30	Diana Mance, ARCCHIVES 2025 Organizing Committee <i>Welcome and Introduction to ARCCHIVES 2025</i>
	<i>Opening Address</i> Rajka Jurdana Šepić , the dean of the Faculty of Physics (UNIRI - FIZRI) Davor Mance , the project coordinataor of CRESCO Adria, Faculty of Economics and Bussines (EFRI)
SESSION 1	Water and Climate in Changing World BLUE RECHARGE Session chair: Alessandro Bosso (ART-ER, Italy)
9:45	Diana Mance: <i>Project BLUE RECHARGE</i>
10:00	Matko Patekar: <i>Managed recharge of karst aquifers - theory, concepts, practice - case study of the Island of Vis</i>
10:15	Vanda Piškur: <i>Integrating Microbial and Chemical Control in Managed Aquifer Recharge: Towards Safe and Sustainable Aquifer Recharge in BLUE RECHARGE</i>
10:30	Marina Poje Sovilj: <i>Radon dynamics in karst geology and water bodies: a case study from the Istrian peninsula</i>
10:45	Dalibor Paar: <i>Research on climate change in mountain regions of national parks and nature parks</i>
11:00	Andreina Belušić Vozila: <i>The Impacts of Climate Change on Olive Cultivation in Istria</i>
11:15	COMFORT BREAK



SESSION 2	Interdisciplinary Perspectives on Climate Impacts Session chair: Davor Mance (EFRI, Croatia)
11:45	Žarko Kovač: <i>Application of economic concepts in biophysical oceanography</i>
12:00	Shubha Sathyendranath: <i>Project TIME: Tipping Points and Abrupt Changes in Marine Ecosystems</i>
12:15	Robert Lütke-meier: <i>Telecoupled Waters: New spatial relationships via long-distance water transfers, tourist movements and international trade</i>
12:30	Boris Mifka: <i>Climatology and Numerical Simulations of Desert Dust Events Over the Adriatic Sea</i>
12:45	Francesca Bretzel: <i>Nature-based Solutions: toward the European standard</i>
13:00	Darko Radovančević: <i>Environmental Physics in Serbian Higher Education</i>
13:15	LUNCH
SESSION 3	Climate Impacts on Ecosystems and Coastal Landscapes CRESCO Adria, Session chair: Iva Mrak (GRADRI, Croatia)
14:15	Davor Mance: <i>Project CRESCO Adria</i>
14:30	Damir Kapetanović: <i>Impacts of Climate Change on Fish and Bivalves in Freshwater and Marine Ecosystems</i>
14:45	Borna Debelić: <i>Integrated Coastal Zone Management and Maritime Common Good – Complex Good and (More) Complex Interactions</i>
15:00	Tuncay Kuleli: <i>Coastal Infrastructure Vulnerability Assessment: An Integrated Approach</i>
15:15	Antonio Bocca: <i>Flood Adaptation for resilient cities in the Adriatic: Insights from European Research</i>
15:30	Nino Krvavica: <i>Pluvial Flood Hazard and Exposure Assessment in Coastal Croatia</i>
15:45	Sanja Dugonjić Jovančević: <i>Climate change impact on the landslide appearance</i>
16:00	CLOSING OF THE CONFERENCE



POSTER PRESENTATIONS (16:00-17:00)

P1 Marija Čargonja: *Particulate matter in the ambient air on the island of Krk, Croatia*

P2 Bojana Hajduk Černeha: *Examples of managed aquifer recharge in Croatia*

P3 Katja Milohanović: *The impact of seasonal tourism on water consumption in Istria (Croatia)*

P4 Ismar Velić: *Do Economies Recover Their Fisheries? Evidence of an Environmental Kuznets Curve for Fish Stock Status*

P5 Seyma Bayazit: *An integrated framework for port-hinterland connection vulnerability to sea level rise: Izmir*

P6 Andrija Poleksić: *Construction of a Knowledge Graph in the Climate Research Domain*

P7 Andrej Fućak: *Assessment of the ecological status of coastal waters in the area of Opatija using the CARLIT method*

P8 Mara Trbojević: *Economics of Managed Aquifer Recharge*

P9 Tihana Kraljiček: *ZnO-coated cellulose materials for wastewater treatment applications*

P10 Maria Chiara Molino: *Case study in the BLUE RECHARGE project (Italy)*

P11 Soraya Alfonsi: *Plastic debris in river water as a reservoir for antibiotic resistance*

P12 Alessandro Bosso: *ARCADIA project presentation*

P13 Karlo Veličan: *Field Data Infrastructure in the BLUE RECHARGE Project*

P14 Maja Oštrić: *Hydrogeological studies on the Učka mountain (Croatia)*

P15 Iva Mrša: *Extreme conditions in the Kvarner Bay: spread of pollution by Bura nad Jugo*



Scientific Program Committee

Davor Mance, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia (Chair)

Diana Mance, University of Rijeka, Faculty of Physics, Rijeka, Croatia

Robert Lütkeemeier, Institute for Social-Ecological Research, Frankfurt, Germany

Darko Radovančević, University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia

Rosalba D'Onofrio, University of Camerino, Camerino, Italy

Darija Vukić Lušić, Teaching Institute of Public Health of Primorje-Gorski Kotar County, Rijeka, Croatia

Iva Mrak, University of Rijeka, Faculty of Civil Engineering, Rijeka, Croatia

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Bojana Hajduk Černeha, Istrian Water Protection System, Buzet, Croatia

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Daniel Maestro, Faculty of Health Studies, University of Sarajevo, Bosnia and Herzegovina

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