



Smart Urban Coastal Sustainability Days

8th and 9th April 2021

“Interdisciplinary approaches to the understanding of coastal systems”



➤ **COASTAL RISKS AND HAZARDS 8TH APRIL 9AM – 12PM (CEST)**

9h00-9h05 - General introduction : BERTIN XAVIER, JEANNIN MARC- La Rochelle Université

Presentations in plenary session

- 9h05-9h20 **“Towards improved extreme sea level information for coastal flood risk analyses”** LEIGH MACPHERSON - University of Rostock
- 9h20-9h35 **“Cross-shore profile evolution after an extreme erosion event, Palanga, Lithuania”** LORETA KELPŠAITE-RIMKIENE - Klaipeda University
- 9h35-9h50 **“Wave-current-vegetation interactions over a schorre along the Western Coast of France”** LAURA LAVAUD - La Rochelle Université
- 9h50-10h05 **“Storm surges and coastal flooding in the central part of the Bay of Biscay”** XAVIER BERTIN - La Rochelle Université
- 10h05-10h20 **“Recent advances on storm waves modelling in the nearshore area: What implications on wave setup?”** MARC PEZERAT - La Rochelle Université

10h20-10h30 *Coffee break*

- 10h30-10h45 **“Sandy beach evolution under the climate change and increasing anthropogenic pressure: Eastern Baltic Sea case”** ILONA ŠAKUROVA - Klaipeda University
- 10h45-11h00 **“Adaptation of residential buildings to coastal floods: strategies, costs and efficiency”** EDGAR EMILIO BASTIDAS ARTEAGA - La Rochelle Université
- 11h00-11h15 **“An overview of flooding in coastal cities in Croatia”** LONCAR NINA - University of Zadar
- 11h15-11h30 **“Protection of coastal structures against marine submersion: interest of using the Geocorail additional protective material”** DAZA ZADI - La Rochelle Université
- 11h30-11h45 **“Tool for prediction of regional pharmaceutical loads in Baltic Sea catchments”** ALENA KAISER - Rostock University

11h40 - 12h00 *General discussion, conclusions and perspectives*

➤ **COASTAL CITIES AND INFRASTRUCTURES 8TH APRIL 2PM – 6PM (CEST)**

14h00 - General introduction : CHRISTIAN INARD, SYLVAIN DEJEAN, YACINE GHAMRI DOUDANE - La Rochelle Université

Presentations in plenary session

- 14h15 - 14h30 **“CircularSeas – Turning ocean plastic waste into green products for maritime industries”** COUSTATY MICKAEL - La Rochelle Université
- 14h30 - 14h45 **“Smart small and medium-sized ports challenges and prospects”** VYTAUTAS PAULAUSKAS - Klaipeda University
- 14h45 - 15h **“The potential of crack-healing of concrete structures in coastal environments”** CHITEZ ADRIANA - Technical University of Civil Engineering Bucharest

- 15h00 - 15h15 **“Supporting synergistic regional planning with a coherent GIS-based approach”**
TRÄNCKNER JENS, SCHILLING JANNIK - Universität Rostock
- 15h15 - 15h30 **“Application of AI in Precision Agriculture and Precision Livestock Farming.”** DAVY STEVEN - Waterford Institute of Technology

15h30 - 16h15: PhD Student short presentation

- **“Digital traces for studying human touristic activities in indoor and outdoor contexts”**
CAYERE CECILE - La Rochelle Université
- **“Occupant behavior-based energy and comfort trade-off in smart buildings”** HAIDAR NOUR
- La Rochelle Université
- **“The Filter feeders in harbour areas: key species in a poorly known socio-ecosystem”**
HAMANI VINCENT et al. - La Rochelle Université
- **“Airbnb in city: assessing short-term rental regulation in Bordeaux”** ROBERTSON-CHEVRE CALUM¹, DEJEAN SYLVAIN¹, SUIRE RAPHAEL² - La Rochelle Université¹, University of Nantes²
- **“The effect of the presentation of information on the urban mobility behaviour.”** SOULAT ULYSSE, LALLEMENT JEANNE - La Rochelle Université
- **“Risks induced by the hydrotechnical works in the karst aquifers from the urban coastal area Constanta”** MOLDOVEANU MATEI - Technical University of Civil Engineering Bucharest
- **“Sustainable solution for strengthening concrete elements in the marine environment”**
HASAN HAKIM HUSSEIN, GEORGESCU DAN PAUL - Technical University of Civil Engineering Bucharest
- **“How to assess ecodistrict resilience to urban heat stress under future heatwaves?”**
MACHARD ANAIS - La Rochelle Université
- **“Experimental studies of glazed solar collector a solution for sustainable coastal cities”**
SIMA CATALIN et al. - Technical University of Civil Engineering Bucharest

16h15 – 18h: Presentations in plenary session

- 16h15 - 16h30 **“Application of the QGIS plugin WaterNetAnalyzer for water management in and around coastal cities”** SCHILLING JANNIK - Universität Rostock
- 16h30 - 16h45 **“Climate Change Adaptation for Reinforced Concrete Structures in Coastal Areas”**
BASTIDAS ARTEAGA EDGAR EMILIO – La Rochelle Université
- 16h45 - 17h **“Wind tunnel modelling of a residential ensemble in a high rise building urban area”**
GEORGESCU ANDREI-MUGUR - Technical University of Civil Engineering Bucharest
- 17h00 - 17h15 **“InnoAerogel: production, research and application”** PAULASKIENE TATJANA, KATARZYTE MARIJA, UEBE JOCHEN - Klaipeda University
- 17h15 - 17h30 **“Why students do not cycle more? A case study University of Zadar, Croatia”**
PEJDO ANA, MARKULINCIC FRANKO- Zadar University

- 17h30 - 17h45 **“Promotion of Sustainable Urban Mobility in Klaipeda: Challenges in Development of Bike-sharing, Bike-storage and Bike-counting Systems”** SPIRIAJEVAS EDUARDAS - Klaipeda University

17h45 - 18h00 - *General discussion, conclusions and perspectives*

➤ **FROM COASTAL ECOSYSTEM SERVICES TO SOCIO-ECOLOGICAL PERSPECTIVES 9TH APRIL 9AM – 12PM (CEST)**

9h00 - 9h10 *General introduction by CAMILLE MAZE, BENOIT LEBRETON - La Rochelle Université*

Presentations in plenary session

- 9h10 - 9h30 **“From the notion of ecosystem service to the governance paradigm of socio-ecosystems as a path to sustainability. The case of coastal and marine socio-ecosystems in the face of global change”** MAZE CAMILLE - La Rochelle Université
- 9h30 - 9h45 **“Urban Ecosystem Assessment for coastal urban areas in the province of Cádiz”** CHAVARRIA LAURA - Cadiz University
- 9h45 - 10h00 **“Pinna nobilis: Critically endangered species. Importance of citizen support”** HERNANDIS SEBASTIÁN et al. - Universidad Católica de Valencia
- 10h00 - 10h15 **“Potential flaws of ecosystem services monetary valuation: Case study of intertidal bare mudflats.”** LEBRETON BENOIT - La Rochelle Université

10h15 – 10h28 *Coffee break*

- 10h28 - 10h35 **“Baltic sandy beach ecosystem services - Understanding the impact of beach wrack and litter to support a sustainable management”** ROBBE ESTHER -Klaipeda University & Leibniz Institute for Baltic Sea Research Warnemünde
- 10h35 - 10h50 **“Baltic beach wrack - conversion of a nuisance to a resource and asset”** WOELFEL JANA - Rostock Universität
- 10h50 - 11h05 **“Integrated aquaculture of European sea bass (Dicentrarchus labrax) and green seaweeds (Ulva sp.) in Recirculating Aquaculture System: effects on water quality, fish growth performance and chemical composition of cultured species”** CHATZOGLOU EVANTHIA et al. - Agricultural University of Athens
- 11h05 - 11h35 **“Integrating renewable offshore wind devices into coastal ecosystems: An interdisciplinary framework”** LEYER MICHAEL et al. - Rostock Universität
- 11h35 – 11h47 **“Ecosystem services from small cetaceans’ populations: the contribution of small cetaceans to nutrient fluxes in European coastal ecosystems”** GILBERT LOLA et al.– La Rochelle Université

11h47 - 12h00 *General discussion, conclusions and perspectives*

➤ COASTAL SOCIETIES 9TH APRIL 2PM – 5PM (CEST)

14h00 - 14h20 General introduction by LAURENT VIDAL, DJEGO JARAK – La Rochelle Université

- 14h20 - 14h35 **“Rethinking the relationship between city and nature: A pressing challenge in the aftermath of COVID-19”** GISBERT-ENRIQUE LAURA, VIDAL-GONZALEZ PABLO - Universidad Católica de Valencia
- 14h35 - 14h50 **“Thinking Sustainability through Human Sciences: The Case of the Aquitaine Coastline in Bernard Charbonneau & Jacques Ellul's Work. Critical Perspectives for the 21st Century”** HUERTA ANTOINE - La Rochelle Université
- 14h50 - 15h05 **“Systems Approach to Eastern Baltic Coastal Zone Management”** BALTRANAITE EGLE et al. - Klaipeda University
- 15h05 - 15h15 **“Campus Capacitas-UCV: a university model of social transfer”** – Poster MARTINEZ-RICO GABRIEL et al. -Universidad Católica de Valencia

15h15 - 15h35 Discussions

15h35 - 15h45 Coffee break

- 15h45 - 16h00 **“Sustainable Coastal development Through design for all”** BAÑULS LAPUERTA FRANCESC et al. - Universidad Católica de Valencia
- 16h00 - 16h15 **“Robust and multilingual analysis of digitised documents (notably, historical)”** DOUCET ANTOINE - La Rochelle Université
- 16h15 - 16h30 **“Researching and valorizing the heritage of rochelais naturalist Aimé Bonpland through modern immersive technologies”** ANZERONA AGUSTIN - La Rochelle Université
- 16h30 - 16h40 **“After 6 years: First inclusive underwater trail”** – Poster LOPEZ FERRANDO DIANA et al.- Universidad Católica de Valencia

16h40 - 17h00 General discussion, conclusions and perspectives