

COST CA 20109 – Working groups

Meeting 1 - General Timetable of the 1st Meeting

DATE:	11 and 12 April, 2022
Time	Day 1: 09h00 – 18h00 (WET) Day 2: 09h00 – 13h00 (WET)
Place	Coimbra, Portugal
Venue	Department of Civil Engineering University of Coimbra – Campus 2 R. Luis Reis Santos 3030-788 Coimbra
Host	Prof. Carlos Rebelo

11th April (Monday)		
9:00 - 9:15	Registration	Secretariat – Buiding Main Entrance
Plenary Sessions		AUDITORIO LAGINHA SERAFIM
9:15 - 9:30	Welcome	Carlos Rebelo
9:30 - 9:45	Overview of the COST Action and WGs	Carlos Rebelo, Lambis Baniotopoulos
9:45 - 10:15	Invited Lecture WG1	Teresa Simões
10:15 - 10:25	Introduction to WG1	Hassan Hemida & Anina Glumac
10:25 - 10:50	Coffee-break	
10:50 - 12:30	Presentations from WG1 members	(See detailed list)
12:30 - 13:30	Lunch	University Restaurant
13:30 - 14:00	Invited Lecture WG2	Claudio Lugni
14:00 - 14:10	Introduction to WG2	Enzo Marino & Michaela Gkantou
14:10 - 15:40	Presentations from WG2 members	(See detailed list)
15:40 - 16:00	Coffee-break	
16:00 - 16:30	Invited Lecture WG3	Luciano Molestano
16:30 - 16:40	Introduction to WG3	Ruben Paul Borg & José Correia
16:40 - 18:10	Presentations from WG3 members	(See detailed list)
20:30	Dinner	(Location to be announced)
12th April (Tuesday)		
Parallel Sessions - presentations and discussion		Room
9:00 – 11:00	WG1	CMM
	WG2	SE – 3.4
	WG3	SE – 3.5
11:00 – 11:20	Coffee break	
11:20 – 12:15	WG1	CMM
	WG2	SE – 3.4
	WG3	SE – 3.5
Plenary Session		AUDITORIO LAGINHA SERAFIM
12:15 - 13:00	Report by WG leaders, conclusions, and future work	
13:00	End of the Working Groups Meeting	
13:00 - 14:00	Lunch	University Restaurant

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Meeting 1 - List of Presentations from Working Group members (11th April)

WG 1 - ASSESSMENT OF SUSTAINABLE ENERGIES RESOURCES FOR ENERGY ISLANDS		
Plenary Session	AUDITORIO LAJINHA SERAFIM	
10:50 - 11:00	Angela Meyer	Renewable resources, climate change, and intelligent wind farm monitoring to facilitate the Energy Transition
11:00 - 11:10	Christopher Koroneos	Optimum Energy Systems for Small Islands
11:10 - 11:20	Emilio Muñoz Ceron	Development of a Solar Photovoltaic Map for the identification of suitable locations for near-shore and off-shore energy islands
11:20 - 11:30	FELIX NIETO	Assessing the potential in wind-excited energy harvesters by computational methods
11:30 - 11:40	Nejan Huvaj	Assessment of offshore wind and floating hybrid wind and solar energy potential using Geographic Information System and Multi-Criteria Decision Making Methods: Case for Turkey
11:40 - 11:50	Rumiana Vatsseva	Geospatial technology for environmental modeling
11:50 - 12:00	Tamara Bajc	Solar thermal energy current state and perspectives
12:00 - 12:10	Tareq Abu Hamed	Agrivoltaics: Harvesting the Sun Twice and the Dual-Use of Land
12:10 - 12:20	Anina Šarkić Glumac	Challenges and opportunities towards energy islands – a literature review

WG 2 - MODULAR OFFSHORE FLOATING ENERGY ISLANDS		
Plenary Session	AUDITORIO LAJINHA SERAFIM	
14:10 - 14:20	Abdollah Malekjafarian	Vibration-based methods for structural dynamics and assessment of offshore structures
14:20 - 14:30	Christabelle Vassallo	Ultra High Durability Concrete for Offshore Floating Structures
14:30 - 14:40	Georgios Malliotakis	Floating Wind Energy Converters. Vibration Control Methods.
14:40 - 14:50	Giulio Ferri	Modeling Offshore Floating Energy Platforms
14:50 - 15:00	Mariela Mendez Morales	Achieving Modularity in Large Structures Through Additive Manufacturing
15:00 - 15:10	Pablo Gascón Merino	New concepts and solutions for wind energy supporting structures
15:10 - 15:20	Stefano Lenci	Some nonlinear phenomena in floating structures
15:20 - 15:30	Vikram Pakrashi	tba
15:30 - 15:40	Zhiyu Jiang Jiang	Mooring system design challenges for modular floating energy islands

WG 3 - NETWORK, ENERGY STORAGE and RESILIENCE ANALYSIS		
Plenary Session		AUDITORIO LAJINHA SERAFIM
16:40 - 16:50	Grzegorz Cempura	Electron microscopy, spectroscopy and tomography for energy material's applications.
16:50 - 17:00	Ivan Todorović	Digital twinning of energy islands
17:00 - 17:10	Maria Tsami	Greening mobility and resilience management challenges in island transportation
17:10 - 17:20	Snezana Cundeva	Grid integration of the enabling technologies required for decarbonizing islands
17:20 - 17:30	Suraj Gupta	Renewable hydrogen generation from direct electrolysis of seawater
17:30 - 17:40	Tomasz Bakoń	Phase change materials as energy storage alternative
17:40 - 17:50	Yahya Danayiyen	tba
17:50 - 18:00	YESIM KAMILE	AKTUGLU
18:00 - 18:10	Jovan Todorovic	Power grid integration issues of renewables within energy islands