

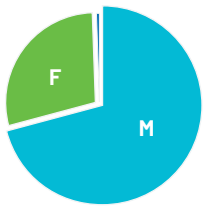


Number of participants per WG



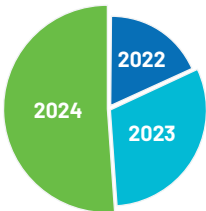
- WG1: **87**
- WG2: **94**
- WG3: **111**

Female/Male participants



- Prefer not to say: **01**
- Female: **80**
- Male: **199**

Number of participants



- 2022: **99**
- 2023: **169**
- 2024: **280**



Photo of the WindFloat Atlantic project courtesy of Principle Power/Ocean Winds



Photo of the Space@Sea project courtesy of MARIN

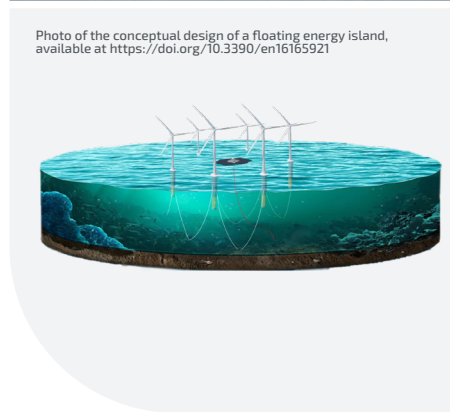


Photo of the conceptual design of a floating energy island, available at <https://doi.org/10.3390/en16165921>

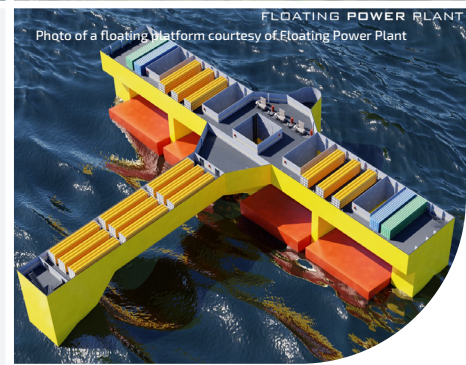
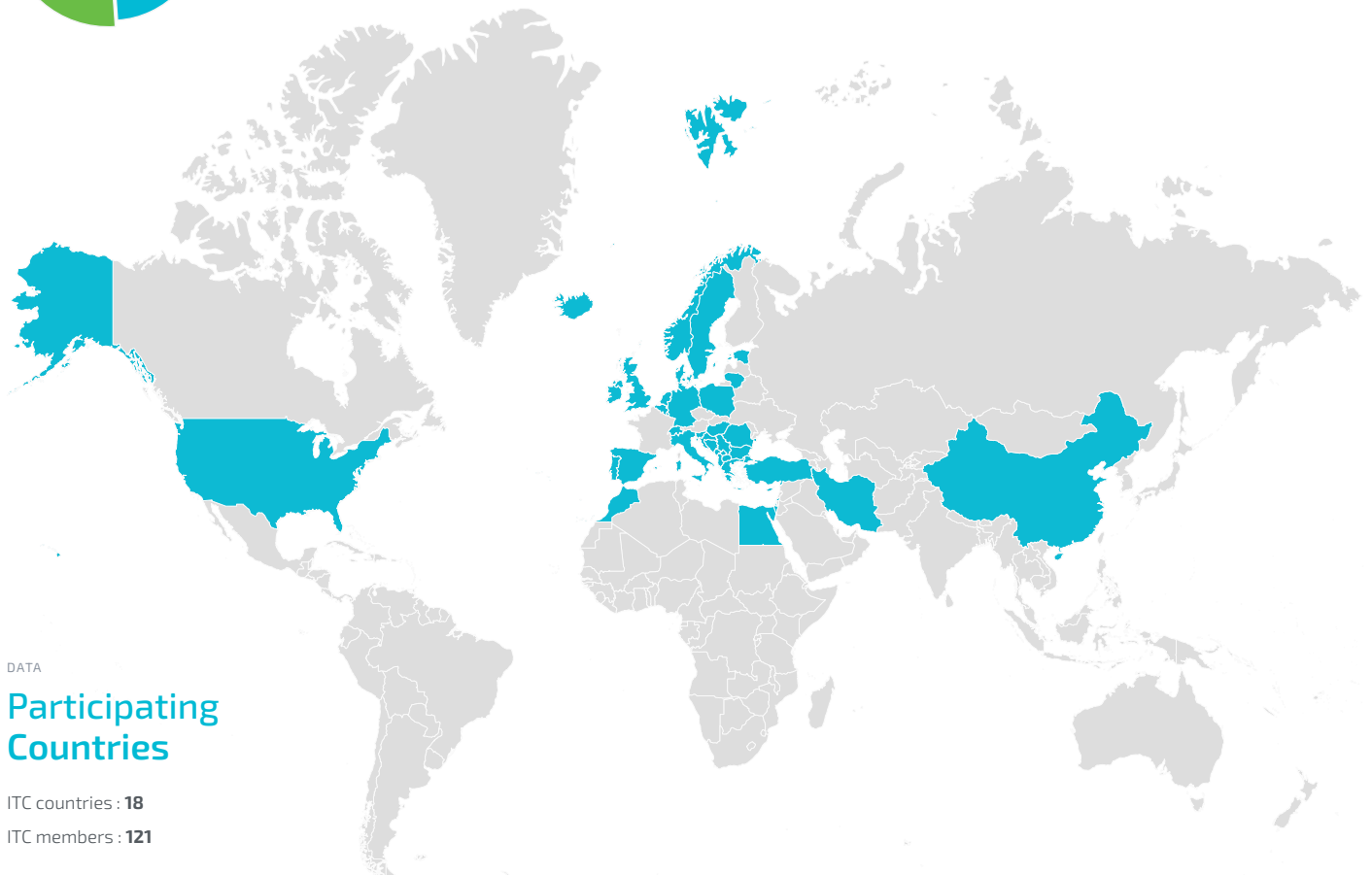


Photo of a floating platform courtesy of Floating Power Plant



DATA

Participating Countries

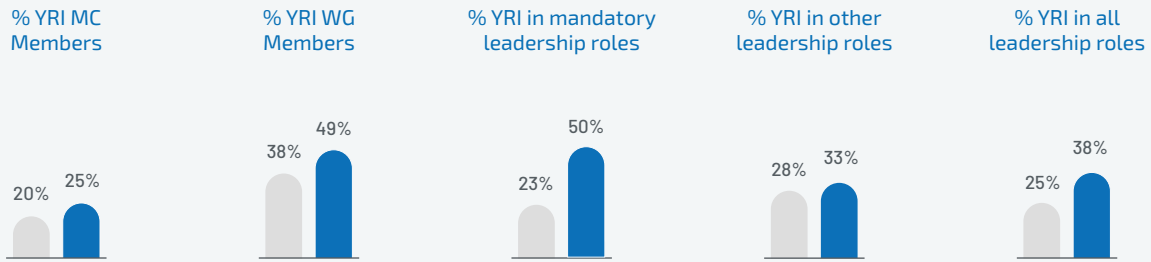
ITC countries : **18**

ITC members : **121**



Career stage: Young Researchers and Innovators

● Action CA20109
● All Actions



YRI - Young Researchers and Innovators

01

STORIES

1st STRATEGIC WORKSHOP in Belval, Luxembourg



👤 47 PARTICIPANTS

Invited speakers:

- Ricardo Renedo Williams – European Commission
- Pedro Rodríguez – Lux. Institute of Science
- William Otto – Space@Sea
- Sarah Thomas – Floating Power Plant
- Paulo Brito – CA20127 WIRE
- Mohammad Shah – DNV
- Lúcio Rodrigues – Principle Power Inc.

The first Strategic Workshop organised by MODENERLANDS and entitled Energy Islands: Technical Challenges and Industrial Opportunities took place on the 15th-16th of May 2023 in Belval, Luxembourg. 47 participants shared their knowledge through presentations and poster sessions. External invited speakers also gave an insight into the future of floating energy islands in Europe. More information can be found in the Book of Abstracts [here](#).

02

STORIES

2nd WG meeting in Istanbul 07-08, September, 2023

The second Working Groups meeting was held in Istanbul on 07 – 08 September 2023 and counted with the participation of 31 Action members in a face-to-face modality. During the meeting, there were several presentations by MODENERLANDS participants, followed by fruitful discussions and planning for the future of the COST Action. During the meeting speakers invited by the Local Organizer gave a perspective of the developments concerning renewable energies in Turkey.





03

STORIES

2nd Training School MODENERLANDS in Estoril, Portugal

20 TRAINEES

09 COUNTRIES

TECHNICAL VISIT TO LNEC AND PRINCIPAL POWER INC

The second MODENERLANDS Training School took place in Estoril, Portugal, on 25-28 September 2023. We had 20 trainees from 9 countries and trainers from around Europe. During the Training School, the trainees assisted lectures focused on WG1 activities with an overview coming from WG2 and WG3.

During the last days of the Training School, there was a group activity where the trainees could study the resilience of a hypothetical energy island. The organisers of the Training School also provided a visit to the Laboratório Nacional de Engenharia Civil (LNEC) and to the Headquarters of the company Principal Power Inc. in Lisbon.

04

STORIES

MODENERLANDS at ICWE 2023 Florence

CHARALAMPOS BANIOPOULOS
DISSEMINATION CONFERENCE GRANT (MODENERLANDS MINI
SYMPOSIA ORGANIZED WITHIN THE CONFERENCE)

MARIELA MENDEZ MORALES
ITC GRANT

MARIN IVANKOVIĆ
ITC GRANT

The COST Action Modular Energy Islands for Sustainability and Resilience was present at the 16th International Conference on Wind Engineering ICWE2023 co-organised by the University of Florence, ANIV (Italian Association for Wind Engineering) and CRIACIV (Inter-University Research Centre on Building Aerodynamics and Wind Engineering).

During the conference, the Action Vice-Chair, Prof. Charalampos Baniotopoulos, gave an overview of MODENERLANDS activities within a mini-symposia dedicated to MODENERLANDS. WG participants Mariela Mendez Morales and Marin Ivanković presented their work at the conference thanks to ITC grants, with presentations entitled: "Appraisal of topology optimisation and additive manufacturing as tools for developing new joints for modular wind towers" and "Self-starting characteristics of wind turbines with passive flow-control devices on rotor blades", respectively.





05

STORIES

MODENERLADS at LCM 2023 (International Conference on Life Cycle Management)

LUANA TESCH
ITC GRANT

The LCM (Life Cycle Management) conference series is one of the world's leading forums for environmental, economic and social sustainability. In 2022, the 11th International Conference on Life Cycle Management occurred in Lille, France. Researchers worldwide gathered to discuss practical solutions for implementing life cycle approaches into strategic and operational decision-making, whether in science, industry, or public institutions.

Our MODENERLANDS participant, Luana Tesch, attended the conference through an ITC Grant. She shared her study that focused on the LCA studies performed for technologies that could be applied in energy islands, aligned with the objectives of Working Group 3, in a poster entitled "Life cycle Environmental Impacts of Renewable Offshore Energies: A Systematic Review".

01

STSM 2023

Sabri Alkan

Green Skills for Offshore Wind and Modular
Energy Islands for Sustainability and Resilience

Home Institution: BANDIRMA ONYEDI EYLUL
UNIVERSITY, Balıkesir - Türkiye

Host Institution: Energy Innovation Norway



02

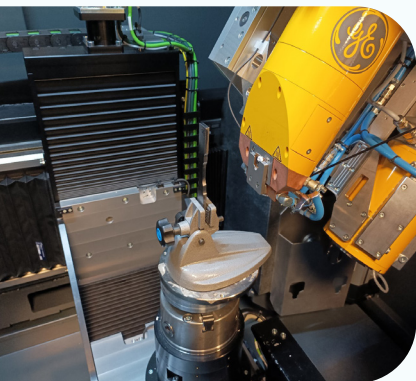
STSM 2023

Mariela Mendez Morales

X-ray computed tomography for assessing de-
fects on WAAM coupons

Home Institution: University of Coimbra, Portugal

Host Institution: Center for Advanced Manufacturing
Technologies, Wrocław University of Science
and Technology





MODENERLANDS Webinars

Discover and engage with the latest in various fields by joining our webinars, each hosted by experts from our diverse working groups. For details on topics, schedules, and registration, visit our website.

If you're an expert eager to share your insights as a presenter, we'd love to hear from you. Reach out to us at info@modenerlands.eu to discuss opportunities.

Join our community of knowledge seekers and contributors, and enrich your professional journey with us.

Wind Resource Assessment and Planning Methodologies for the Development of Offshore Wind Projects
Teresa Simões

Webinar series: WG1
24 January 2023 | 12:00 CET | Online

MODENERLANDS COST European Union

An introduction to Sea Wave Motion Energy Resource and Converters.
Prof. Lorenzo Cappiotti
Laboratory of Maritime Engineering of Florence University

CONCRETE MATERIAL

- low cost
- suitable in the marine environment
- easy manufacturing and transporting

MULTI-MODULE TYPE CONSTRUCTION METHOD

- easy construction
- possible future enlargement

SIZING

- Feasible in the existing Mediterranean dockyards

Webinar series: WG1
27 April 2023 | 12:00 CET | Online

MODENERLANDS COST European Union

COST MOBILITY

Are you interested in taking part?

For more information about our opportunities, check our website.



VISIT WEBSITE

www.modenerlands.eu

COST Mobility

Are you interested in our mobility opportunities?

We offer:

SHORT TERM SCIENTIFIC MISSIONS (STSMS):

STSMS are open for researchers and innovators employed at institutions in countries participating in the MODENERLANDS action or at approved institutions.

▶ KNOW MORE

VIRTUAL MOBILITY GRANTS:

Virtual Mobility consists of collaboration in a virtual setting among researchers or innovators within MODENERLANDS to exchange knowledge and learn new techniques.

▶ KNOW MORE

INCLUSIVENESS TARGET COUNTRY (ITC) CONFERENCE GRANTS:

ITC Conference Grants aim to support young researchers and innovators from COST ITCs or Near Neighbour Countries (NNC) to help individuals attend beneficial international conferences not organised by COST Actions.

▶ KNOW MORE

DISSEMINATION CONFERENCE GRANT (DCG):

DCGs consist of an oral presentation by an Action Participant of the work of the Action in high level conferences fully organised by a third party, i.e., not organised nor co-organised by the COST Action.

▶ KNOW MORE

More information about COST Mobility can be found [here](#).