

EU Project 101124786 POWER4MED

Final International Conference & Capacity Building Seminar

Jointly organised by LSIM (Oran University of Sciences and Technology), SDG4MED and the EU's WESTMED initiative the **POWER4MED Final Conference** is jointly chaired by Prof. Boumediene Beladjine and Prof. Mario Dogliani and brings together authorities and experts from all the Western Mediterranean basin to attend the **inauguration of the POWER4MED supporting structure** for the environmental sustainability of the maritime sector.

The Mediterranean is facing a double challenge: restoring its health and ensure wealth to its increasing population. Both are at the heart of common Mediterranean policies such as the Mediterranean Action Plan (agreed by all the Mediterranean Countries within the Barcelona Convention framework) and the WESTMED Ministerial Declaration.

Besides common policies, the transition to carbon neutrality requires short & medium-term solutions most of which are neither affordable nor fully available yet. Therefore, their adoption by operators shall be enabled by appropriate capacity and infrastructure.

To this end, the project conceived the "POWER4MED Supporting Structure", the Italian-Algerian-Egyptian virtual infrastructure that supports the deployment of good environmental practices and of commercial collaboration in the Mediterranean maritime and shipbuilding sectors.

1 July 2025

09:30 - 13:00 The POWER4MED LEGACY: ALGERIAN-ITALIAN-EGYPTIAN scientific co-operation on fisheries (CNR – SDG4MED; USTO - LSIM; CNRDPA; NIOF – PROMEC)

15.00-17:00 Visit to ITPA laboratory fishing boat simulator & meeting with local fishermen

2 July 2025, 8:30 – 17:30, Hotel Plaza, Oran (Algeria)

The transition towards carbon neutrality in maritime transport requires short-term and medium-term solutions. Short-term solutions include using available energy efficiency technologies and transition fuels (such as LNG, LPG and electricity) through green retrofitting. In contrast, the medium-term solution is based on alternative fuels (such as Bio-LNG, methanol, ammonia, hydrogen) that still need to be fully available. Dealing with such complexity is not easy for the operators of smaller ships, such as fishing vessels and local ferries, of small ports and marinas due to lower investment capacity and lack of technical and managerial skills.

To help addressing the issue, the POWER4MED Supporting Structure and the "Supporting Team" of multidisciplinary experts provides capacity building toolkits to enable the path to efficient operations and carbon neutrality of Mediterranean fishing boats, commercial vessels (ferries), and marinas.

Target Audience

- Fishing boat and ferry owners and operators
- Seafarers (captains, engineers, and deckhands).
- Competent Authorities and policymakers
- Ship designers and shipbuilding (including maintenance & repair)
- Industry stakeholders (ports, fuel suppliers, equipment manufacturers,)

Program

8:30-09:30 Registration and welcome coffee (**Accueil, Inscription et Pause-Café**)

9:30-10:30 Institutional Session & Official inauguration of the POWER4MED Supporting Structure
(Session institutionnelle et inauguration officielle du POWER4MED structure de soutien)

Wali of Oran

Vice rector, foreign relation and cooperation (USTO)

Mr. Marco Campomenosi, EU Parliament IX Legislature

Mme Benbousseta Souad, Ministre de l'agriculture et du développement rural et la pêche, Pt Focal WESTMED Initiative.

Mr Sendid Menaouer, Executive Director of Fishing, Oran Wilaya

Mr. Piero Pinelli, Italian Ministry of Transport

Mr. Alesandro Mollinaro, Italian Ministry of Transport

Mr. Samir Bachouche, WESTMED – National Hub Algeria

Inauguration ceremony of the POWER4MED Supporting Structure

Aims of the Conference and overall Context (*Prof. Boumediene Beladjine, University of USTO Oran*) and Dogliani the POWER4MED Project and its legacy)

The voice of the POWER4MED Advisory Board (*Prof. Mohamed Ismail, British University Cairo*)

Video

Session 1 (10.30-13.00): POWER4MED and its clustered projects (*Moderated by Mario Dogliani*)

EU Mission Ocean and the BlueMissionMed lighthouse project (*Dr. Giulia Antidormi, SDG4MED*)

LIFE4MEDECA & LIFE4MECA LIFE projects (*Dr. Elena Ciappi, CNR*)

Navigating the POWER4MED Supporting Structure (*Dr. Elena Ciappi, Dr. Elena Paifelman, CNR*)

SHARE4MED NEXTMED project (*Dr. Antonio Novellino, Dr. Alessandra Azzola, ETT*)

GREENMARINEMED EMFAF project (video presentation *Dr. Lisa Simone De Grunt. World Ocean Council*)

The S3 SAFA EU Partneship (*Dr. Sonia Sportiello, Regione Liguria*)

Energy efficiency, innovation Fishing Boats (*Prof. Boumediene Beladjine, USTO-LSIM*)

Q&A

13 :00 – 14 :30 : Networking Lunch, Déjeuner de travail et réseautage

Session 2 Capacity building - POWER4MED toolkits

The Training Seminars will offer an overview and examples of examples of energy efficiency, green retrofitting and newbuilding tools and strategies:

- 1- Vessel's power demands standards through an energy audit applicable to every type of fishing vessel.
- 2- Energy efficiency strategies and related tools for reducing fishing boats' operational costs, minimizing their environmental impact and complying with regulations.
- 3- Feasibility of Alternative fuels for a sustainable fishing industry: case studies and success stories.

- 4- Short and medium-term national green regulations and/or strategies of the fisheries sector.
- 5- Financial incentives for energy transition of the fishing sector including green retrofitting

Session 2 (14:30 – 15:45): Kit for fisheries and fishermen (Tutor, Prof. S.Kholeif)

Practical knowledge on short term regulatory framework (*M. Dogliani SDG4MED*)

Green retrofitting: efficient power generation (engines and ancillaries), (*Boualem HAMMICHE- ASLabruna Luca MIRABELLI - ASLabruna*)

Practical results of Energy efficiency, innovation Fishing Boats (*Cheimaa Djebbar, Naval Architect, LSIM*)

***** (*Prof. S. Kholeif, PROMEC*)

Carbon free, Greening small/medium Fishing Ports, (*Antonio Nicotra*)

Session 3 (15:45 – 17:00): Kit for ferries and marinas (Tutor, Dr. Bachouche)

Algerian ferry fleet assessment (*LSIM, Ouadha.A*)

Demonstration of POWER4MED Calculation Tools (*LSIM*)

Mediterranean Shipyards Adaptation Plan (2025-2030) (*NALVALEGT, G. Coletta*)

How to finance Mediterranean transition SDG4MED, (*M. Dogliani, SDG4MED*)

Sustainable Marinas, (*video contribution, Yachting Malta, Michael Mifsud*)

17:00 – 17:30): Conclusions

Roundtable – Future development and opportunities (*Prof. Boumediene Beladjine, Prof. Mario Dogliani; Prof Suzan Kholeif; Prof Samir Bachouche; Prof. Hassan Tawfik*)