

Clean energy for EU islands **FORUM 2024**

THE POWER OF ISLANDS

building resilience through renewables



European
Commission

14-15 May 2024
Pantelleria, Italy



Clean energy for EU islands forum 2024

Agenda

THE POWER OF ISLANDS: BUILDING RESILIENCE THROUGH RENEWABLES

DAY 0 | 13 May 2024

Arrival and informal gathering

15:30 – 19:30
CEST

Arrival at Pantelleria & participants pick-up

Welcome Reception

The Volcanology Museum is located in Punta Spadillo, in the Pantelleria National Park in the eastern part of the island, where the Clean energy for EU islands forum 2024 will kick-off. As part of the Welcome Reception a short introduction to Pantelleria Island will be given by Sonia Anelli the Director of the Pantelleria National Park. Further you will have the possibility to visit the museum.

19:30 – 22:00
CEST



VOLCANOLOGY MUSEUM, PANTELLERIA

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DAY 1 | 14 May 2024

 **Venue:** Mursia Hotel | Contrada Mursia, 91017 Pantelleria

09:00 – 09:30
CEST

Registration

Check-in for on-site participation | Livestreaming

Welcome and objective setting

09:30 – 09:45
CEST

Welcoming of the participants from the Secretariat, DG ENER, and local host.

Jan Cornillie – Project director, Clean energy for EU islands secretariat (3E)

- **Fabrizio D’Ancona** – Mayor, Pantelleria Municipality
- **Sonia Anelli** – Director, Pantelleria National Park



MURSIA HOTEL – PLENARY & LIVESTREAM

09:45 – 10:00
CEST

The islands within the EU climate and energy framework



MURSIA HOTEL – PLENARY & LIVESTREAM

10:00 – 10:20
CEST

The “Green Islands” funding programme from the Italian National Recovery and Resilience Plan



MURSIA HOTEL – PLENARY & LIVESTREAM

Views / Videos from the islands

Kythnos Smart Island

10:20 – 10:35
CEST

“Kythnos Smart Island” (KSI) is a large-scale research and development project implemented in the Greek islands by DAFNI in collaboration with academia, delivering interdisciplinary innovative solutions in the broader area of sustainable and smart infrastructure management. Thanks to KSI, Kythnos, a historical test-bed island for renewable energy systems, evolved to a living lab, not only for clean energy and smart grids, but also for the coupling of energy with water, waste and mobility management solutions while in parallel smartening existing port facilities and delivering extensive urban regenerations of public spaces and retrofitting of the municipal building stock. KSI has demonstrated the urgent need for the transition of island economies, especially those significantly dependent on tourism, to more diverse, circular, and sustainable ones.

Kostas Komninos – Clean energy for EU islands secretariat (DAFNI)

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MURSIA HOTEL – PLENARY & LIVESTREAM

Results from the Secretariat's regulatory study on the resilience of insular power grids

The Secretariat has been working closely with stakeholders regulating or managing electricity systems of the insular regions of Europe in the past year. The goal has been to understand challenges these systems face to integrate high share of renewable energy and still provide security and quality of supply. Through joint discussion, best practices were identified. Resulting recommendation and guidelines are relevant for both electrically connected and non-interconnected islands. This session will give insights into the main recommendations and best practices.

10:35 – 10:50
CEST

Lucija Rakočević – Clean energy for EU islands secretariat (ThInk E)



MURSIA HOTEL – PLENARY & LIVESTREAM

Group work by Member State – Assessment of grid codes and regulatory / legislative frameworks for the development of RES on islands

10:50 – 11:20
CEST

Moderators: **Regional Partners** of the Clean energy for EU islands secretariat



MURSIA HOTEL – WORKING GROUPS

11:20 – 11:40
CEST

Coffee Break

11:40 – 12:10
CEST

Discussion of the outcomes from the group work

Moderator: **Lucija Rakočević** – Clean energy for EU islands secretariat (ThInk E)



MURSIA HOTEL – PLENARY & LIVESTREAM

Views / Videos from the islands

Panel discussion on future-proofing electricity systems of islands

The panellists will provide their view on the recommendations from the study and the reactions of the Member State groups. They will discuss activities happening on the EU or national level that can help push forward implementation of recommendations and necessary policy and regulation changes for islands electricity systems to enable the energy transition.

12:10 – 13:00
CEST

- **Alessandro Bianco** – UNIEM
- **Konstantinos Kyparissis** – Eurelectric

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Commission

14-15 May 2024
Pantelleria, Italy



Moderator: **Lucija Rakočević** – Clean energy for EU islands secretariat (ThInk E)



MURSIA HOTEL – PLENARY & LIVESTREAM

13:00 – 14:00
CEST

Lunch Break



MURSIA HOTEL – POOL AREA

Parallel working groups with experts and island representatives

Working group - The specific challenges of energy communities and cooperatives on islands

The development of community-owned energy projects on islands encounters numerous challenges from a regulatory, administrative, and technical perspective. Regardless of the source of energy and technology to be deployed, restrictive or unclear regulations on shared ownership models, as well as poor financing and remuneration schemes constitute significant barriers for the realization of such projects. Additionally, on islands with no or constrained power connection to the mainland, the development of community-owned power plants is further endangered by the limited capacity of insular grids to host renewables. The working group, starting from the experience of the panelists, will discuss these and other challenges related to energy communities and energy cooperatives on islands, trying to identify possible solutions, financing opportunities, and policy interventions.

14:00 – 15:45
CEST

- **Núria Albet-Torres** – Energia Bonita
- **Claire Helly** – CPMR
- **Raphaëlle Papa** – R2M
- **Stefano Barberis** – Clean energy for EU islands secretariat (Bluenergy Revolution)

Moderator: **Riccardo Novo** – Clean energy for EU islands secretariat (3E)



MURSIA HOTEL – WORKSHOP AREA 1

Working group - The opportunities for grid balancing and stabilisation arising from sector coupling

Power grids of islands which are weakly or non-connected to the continental grids can have limited capacity to accept renewables. Nevertheless, significant benefits may arise from the possibility to couple the power system with other services, such as transport, water production and waste management. The working group, starting from the experience of the panelists, will discuss these and other opportunities, trying to identify the policy measures needed for enhancing sector coupling practices.

- **Davide Astiaso Garcia** – Università di Roma “La Sapienza”

Clean energy for EU islands FORUM 2024

THE POWER OF ISLANDS

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European
Commission

14-15 May 2024
Pantelleria, Italy



- **Georgios Exarchou** – HDF Energy
- **Lorenzo Di Fresco** – Clean energy for EU islands secretariat (Bluenergy Revolution)

Moderator: **Petros Markopoulos** – Clean energy for EU islands Secretariat (DAFNI)



MURSIA HOTEL – WORKSHOP AREA 2

Site visit at the hybrid solar PV/battery storage plant and at the water desalination plant

15:45 – 18:00
CEST

At the end of the working group sessions, the participants will have the opportunity to visit the recently built hybrid solar PV/battery storage plant and the water desalination plant of Pantelleria. Guided by the technicians operating those systems, the participants will learn on the contribution in terms of flexibility and renewables hosting capacity provided by these two plants to the power grid of the island.



SITE VISIT

20:00 – 23:00
CEST

Dinner



SCRUSCIO RESTAURANT

Clean energy for EU islands FORUM 2024

THE POWER OF ISLANDS

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Commission

14-15 May 2024
Pantelleria, Italy

DAY 2 | 15 May 2024

09:00 – 09:30
CEST

Registration

Check-in for on-site participation | Platform for online participation opens

Welcome

09:30 – 09:35
CEST

Welcome, progress on the Forum, agenda of the day

Jan Cornillie – Project director, Clean energy for EU islands secretariat (3E)



MURSIA HOTEL – PLENARY & LIVESTREAM

The Islands Pact

09:35 – 09:55
CEST

Eleni Marianou – Secretary General at Conference of Peripheral Maritime Regions (online)



MURSIA HOTEL – PLENARY & LIVESTREAM

Views / Videos from the islands

Technical assistance and capacity building

09:55 – 10:20
CEST

Presentation of the 30 islands receiving the technical assistance and update on the capacity building activities, and presentation of the call for follower islands

- **Martina Cannata** – Clean energy for EU islands secretariat (3E)
- **Kostas Komninos** – Clean energy for EU islands secretariat (DAFNI)



MURSIA HOTEL – PLENARY & LIVESTREAM

Pitch session – The energy transition for enhancing the resilience of economic activities on islands

10:20 – 11:05
CEST

- **Gianni Chianetta** – Chairman, Greening the Islands Foundation (online)
- **Jørgen Primdahl** – Professor in Countryside Planning and Management, University of Copenhagen
- **Lina Dubina** – Solar Power Europe

Moderator: Jorge Rodrigues de Almeida – Clean Energy for EU islands secretariat (RdA Climate Solutions)

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MURSIA HOTEL – PLENARY & LIVESTREAM

11:05 – 11:20

CEST

Moving to the breakout rooms

Parallel working groups with experts and island representatives

Working group – Energy and water efficiency for the residential and hospitality sectors

Reducing the demand should be the first step to energy transition. Bioclimatic architecture was used to centuries to adapt the building to the environment, ensuring the conservation of the local traditional landscapes. Such architecture techniques should be considered at early stages when designing new buildings and planning the renovation of both residential and tourist reception buildings. A paradigm is thus created between modern housing and traditional housing, with an attempt to adapt energy efficiency interventions to the protection of the landscape and architectural heritage. In addition, the energy and water demand of the whole building sector on islands is often stressed by the high seasonality of the tourist presences, which might require different approaches in the planning of the interventions and management policies depending on the purpose of the specific buildings, considering heating, air conditioning and ventilation, appliances, water use, and domestic hot water. The working group, starting from the experience of the panelists, will discuss the specific characteristics of energy and water efficiency for the buildings of islands, trying to identify solutions, opportunities, and policy recommendations.

11:20 – 13:00

CEST

- **Cristina Becchio** – Politecnico di Torino
- **Karl Agius** – University of Malta
- **Mariangiola Fabbri** – BPIE

Moderator: **Amandine Gal** – Clean energy for EU islands secretariat (Econoler)



MURSIA HOTEL – WORKSHOP AREA 1

Working group – Climate action, nature conservation, agriculture, tourism: how to bring competing land uses together for islands resilience?

The climate change urgency is affecting land use and landscape character everywhere. Economic activities such as agriculture and tourism are affected by and affecting changes linked to climate change, such as renewables and nature conservation and restoration. This is particularly the case of islands where space is limited and the visual impact is significant. Land use claims competing with agriculture include tourism, biodiversity and habitat conservation and restoration and rural development. In a context

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like this, sectoral approaches and market regulations are insufficient, solutions must be found through dialogue and collaboration. The framework of the ambitious climate goals and the islands' efforts to move to clean energy calls for policy integration and a collaborative spatial planning approach, which can create synergies and opportunities for additional income, local ownership and better living conditions.

Setting the scene

- **Jørgen Primdahl** – Professor of Landscape Architecture, Planning and Design, University of Copenhagen

Group discussion & recommendations

Moderator: **Søren Hermansen** – Clean energy for EU islands secretariat (Samsø Energy Academy)



MURSIA HOTEL – WORKSHOP AREA 2

Working group – Aligning different stakeholders for a robust energy transition plan conscious of all economic activities on islands

The energy transition of islands requires ambitious vision and realistic planning. These must be based on quantitative, reliable data (hence the importance of the development of a Clean Energy Transition Agenda – CETA) and should take into consideration all economic activities of the islands. For the realization of the roadmap towards full decarbonization, buy-in from all relevant stakeholders must be achieved, and their interests and expectations aligned and respected. For this purpose, communication and negotiation strategies play a crucial role in understanding the different perspectives and finding a compromise between them, to align all stakeholders towards the common goal, while ensuring economic sustainability. Through targeted presentations and interactive activities this working group will explore common situations of conflict of interests and provide strategies for effectively managing them through negotiation skills.

- **James Ellsmoore** – Clean energy for EU islands Secretariat (Island Innovation)
- **Eelco Kruizinga** – Clean energy for EU islands Secretariat (DNV)

Moderator: **Martina Cannata** – Clean energy for EU islands secretariat (3E)



MURSIA HOTEL – WORKSHOP AREA 3

13:00 – 14:00
CEST

Lunch Break

Clean energy for EU islands FORUM 2024

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Commission

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MURSIA HOTEL – POOL AREA

Views / Videos from the islands

Interactive Session: Financing the energy transition of islands: the CE4EUI Marketplace

14:00 – 14:45
CEST

The Energy transition of islands requires important financing resources. Some specific constraints are related to island energy projects (smaller size, regulatory, ...). After presenting the scope of the CE4EUI Marketplace, the Clean energy for EU islands secretariat would like to brainstorm with islanders on their needs in terms of financing.

Experts: **Jan Cornillie, Jorge Rodrigues de Almeida, Amandine Gal** – Clean energy for EU islands secretariat



MURSIA HOTEL – PLENARY & LIVESTREAM

Reports from the working groups

14:45 – 15:15
CEST

Two representatives from each of the working groups of the two days of forum will report on the main outcomes of the discussions.

Moderator: **Jan Cornillie** – Clean energy for EU islands secretariat (3E)



MURSIA HOTEL – PLENARY & LIVESTREAM

15:15 – 15:30
CEST

Concluding remarks



MURSIA HOTEL – PLENARY & LIVESTREAM

Site visit to the energy efficient “Dammuso” (typical local building) and the “Giardino Pantesco” (Pantelleria Garden).

15:30 – 18:00
CEST

Following the discussion in the parallel working group sessions, the participants will have the opportunity to visit a “Dammuso”, the typical local dwelling of Pantelleria, where energy efficient interventions have been integrated within the characteristic building envelope. The Forum will then end with the visit of the “Pantelleria Gardens” and of a characteristic winery, with a last moment of togetherness in the rural landscape of the hosting island.



SITE VISIT