







DAFNI – Network of Sustainable Greek Islands is a public interest non-profit organization of the island local and regional authorities in Greece.

It promotes sustainable development in Greek islands through the delivery of integrated actions in the fields of energy, water, waste and transport / mobility enabling the transition to a circular and sector-coupled local economy boosted by touristic activities.





Services

Strategic planning

- Mainto Implementation of infrastructure projects
- Maturation of projects
- Technical studies at all stages
- Support in tendering processes
- Support during licensing and consultation procedures
- Joint-procurement and tendering
- Fund-raising
- Sector Capacity building and trainings
- Policy making

Mathematical Advocacy





Buildings & Public Space

Water Management





Clean Energy & Sustainable Mobility

Waste Management & Circular Economy





Sustainable Tourism GIS & Spatial Planning Technological and social innovation EU funded projects





Multiple Use of Space for Island Clean Autonomy



Deployment of H2 Ecosystem on the island of Mallorca



Transforming ports into clean energy hubs



Accelerating the decarbonization of islands energy systems



Maximizing the impact of innovative energy approaches in the EU islands



Iceland Liechtenstein Norway Norway grants grants











Citizens acting on Mitigation Pathways through Active Implementation of a goalsetting network Renewable Energy Empowering European & Indian Communities Energy citizenship for a sustainable future



Circular Economy Implementation in Greece yenesıs

Youth Employment Network for Energy Sustainability in Islands



Iceland Liechtenstein Norway **Norway** grants grants





Lighthouse smart island projects





KYONOS SMARTISLAND

VOLKSWAGEN

AKTIENGESELLSCHAFT

















The project is funded by Siemens in the framework of the Settlement Agreement between the Hellenic Republic and Siemens.



European Commission



"An EU initiative that provides a long-term framework to help EU islands generate their own sustainable, low-cost energy."

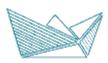


Expected results

Reduced energy costs and greatly increased production of renewable energy

- Construction of energy storage facilities and demand response systems, using the latest technologies
- Setter energy security for islands, which will be less reliant on imports
- Improved air quality, lower greenhouse gas emissions, and less impact on islands' natural environments
- The creation of new jobs and business opportunities, boosting islands' economic self-sufficiency







How it all started



The European Commission, together with 14 Member States signed the <u>Valletta Political</u> Declaration

VALLETTA 18 May 2017

POLITICAL DECLARATION on CLEAN ENERGY FOR EU ISLANDS

Inhabited EU islands are often well placed to employ innovative solutions and attract energy investments that integrate local renewable production, storage facilities and demand response in order to achieve interoperable, economic, environmentally friendly and sustainable energy systems, to implement the key priorities of the Clean Energy for all Europeans package;

Recognising that with their strong sense of community and their territorial potential, EU islands can be the architects of their own energy transition. We underline that several of them are already global frontrunners with innovative approaches for integrating variable renewable energy into energy systems and for reducing the emissions from transport, in particular with alternative fuels for transport both on the islands and for the connections to them;

Underlining that EU islands are very diverse and, inter alia, their location, geographic and climatic potential, size and population, provide specific opportunities and challenges that require tailor-made solutions;

Acknowledging that most EU islands face high energy costs and challenges regarding energy security of supply due to their geographic insularity, small economies of scale, and in many cases, reliance on imported fossil fuels and limited or lack of connection to the EU single energy market;

Noting that many EU islands still rely heavily on diesel fuel and oil to generate electricity, with significant negative impacts on emissions, the competitiveness of businesses, and the economy driven by the frequent use of administrative measures and financial aid to mitigate cost reflective high electricity prices for local consumers;

Taking into account that tourism is a key sector for many EU islands' economies, resulting in seasonal energy demand which puts a strain on natural resources and infrastructures;

Acknowledging that alternative fuels, indigenous renewable energy including marine energy, energy efficiency measures implemented with innovative solutions, and connection, where relevant, with the EU's electricity and gas networks are important drivers for sustainable and resilient economic growth and the development of local skills and jobs for the communities on EU islands;

Recognising that many islands and their marine waters are unique ecosystems that require special attention during infrastructure planning and development;

Highlighting, in the context of the 2015 Paris Climate agreement, the vulnerability of islands to climate change and the important role that a clean energy transition along with increased climate resilience plays to mitigate this risk;

Having regard, among other initiatives, to the European Parliament's resolution on the special situation of islands (2015/3014(RSP)) stressing the European islands' potential to contribute to strengthening sustainable development in the Union.



September 2017

The Commission launched the Clean Energy for EU Islands Initiative at the <u>Inaugural forum</u> in Chania, Crete





September 2017

June 2018

European Commission's DG ENER set up a <u>Secretariat</u> to support the **Clean Energy for EU Islands Initiative.**

CLEAN ENERGY FOR EU ISLANDS SECRETARIAT



September 2017

June 2018

June 2020

<u>The Memorandum of Split</u> was signed, to ensure the future of the Clean Energy for EU Islands Initiative

EN ANNEX Memorandum of Understanding Implementing the Valletta Political Declaration **Clean Energy for European Union Islands** Hereafter "The Memorandum of Split" The Sides: European Commission, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Malta, Portugal, The Kingdom of Spain, Sweden intend to implement the Valetta Declaration and therefore create a more stable basis for co-operation for the benefit of Participants, namely EU island communities and people, and hence. 1. Having regard to: · The 2015 Paris agreement, which sets a global and legally-binding target of keeping global warming well below 2°C and of pursuing efforts to limit it to 1.5°C: Conclusions of the European Council on 12 December 2019, regarding the objective of achieving a climate-neutral EU by 2050, in line with the Paris Agreement: The European Green Deal which has as objective to transform the EU to a fair and prosperous society with a modern, resource-efficient and competitive economy where there are no net-emissions of greenhouse gases in 2050, to protect, conserve and enhance the EU's natural capital, protect the health and well-being of citizens from environment-related risks and impacts, while ensuring a just transition for all; The Clean Energy for all Europeans legislative package, which provides the energy policy framework to facilitate clean and fair energy transition and which include specific provisions with the aim to increase the generation of energy from renewable sources notably in the outermost regions and small islands; The important role that the National Energy and Climate Plans have regarding the decarbonisation of islands: · The Valletta Declaration of May 2017, which established an informal cooperation between relevant Member States for the promotion of the transition of islands and expressed the intention to establish "a long term framework to accelerate the clean energy transition on all EU islands";



to support islands in their transition agendas

to promote the participation, engagement and empowerment of citizens

to facilitate the creation of renewable energy communities

to promote projects and exchange best practices





Providing technical support

for the maturation of island

project to decarbonize their

energy systems



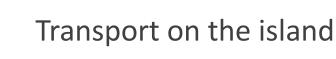
Clean energy production

Energy efficiency upgrade

Heating & cooling decarbonize



Transport to & from the island





So far... 76 islands engaged

Support



Island marketplace

Baragener Conversionlese #CE4EUIslands

Island community









The Clean energy for EU islands secretariat facilitates the clean energy transition on EU islands from the bottom up. International Affairs - 1000 Brussels - 1 593 follower

- ✓ Technical assistance
- ✓ Gamechanger awards
- ✓ Webinars
- ✓ Workshops
- **Guides and publications** \checkmark
- ✓ Regulatory inventory Studies of barriers & \checkmark
 - recommendations
- Investor database \checkmark
- Financing training \checkmark
- ✓ Forums
- ✓ Newsletters
- ✓ Podcasts
- ✓ Videos
- ✓ Postcards

Clean Energy Projects in 9 Greek Islands

- Energy Upgrades in the Port Infrastructure of Thira
- Initiating the Transport Sector Electrification in North Dodecanese
- Clean Energy Transition Agenda for Andros
- Sporades Virtual Microgrid
- Clean Energy Transition Agenda for Kastellorizo



Clean Energy for EU Islands photography competition Astypalea winner of 2022





30 islands to reach 100% RES by 2030







DAFNI becomes the national coordinator of the Secretariat for the Greek islands





Capacity building & technical assistance to the islands

Call for 30 renewable islands

Activating the Marketplace

Islands workshops & Training

Follower islands (at least 90 followers

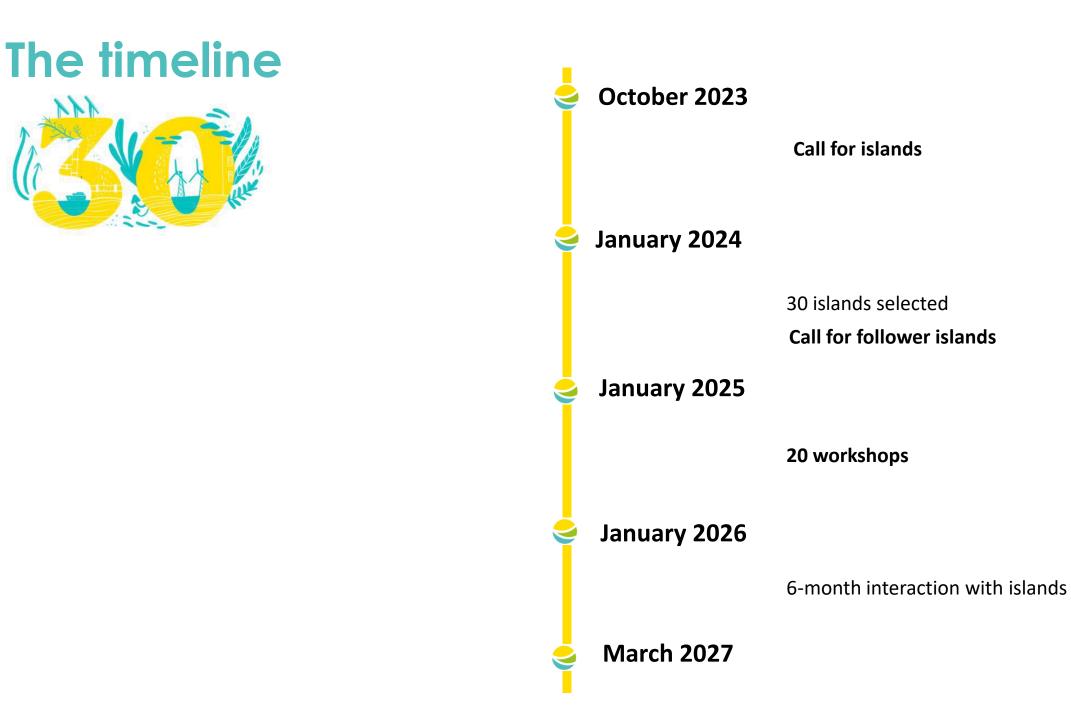
Inventory & study on management of connections and non-interconnected grids

Update of the Regulatory inventory

Thematic workshops

Islands workshops & Training

Organization of the islands Forum



FORUM 2023

30 FOR 30 30 RENEWABLE ISLANDS FOR 2030

7-8 JUNE 2023 SAAREMAA, ESTONIA

#CE4EUIslands



Clean energy for EU islands FORUM 2023

30 FOR 30 30 RENEWABLE ISLANDS FOR 2030









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