



# Clean energy for EU islands Forum 2024

## **Technical assistance and Capacity building**

Martina Cannata

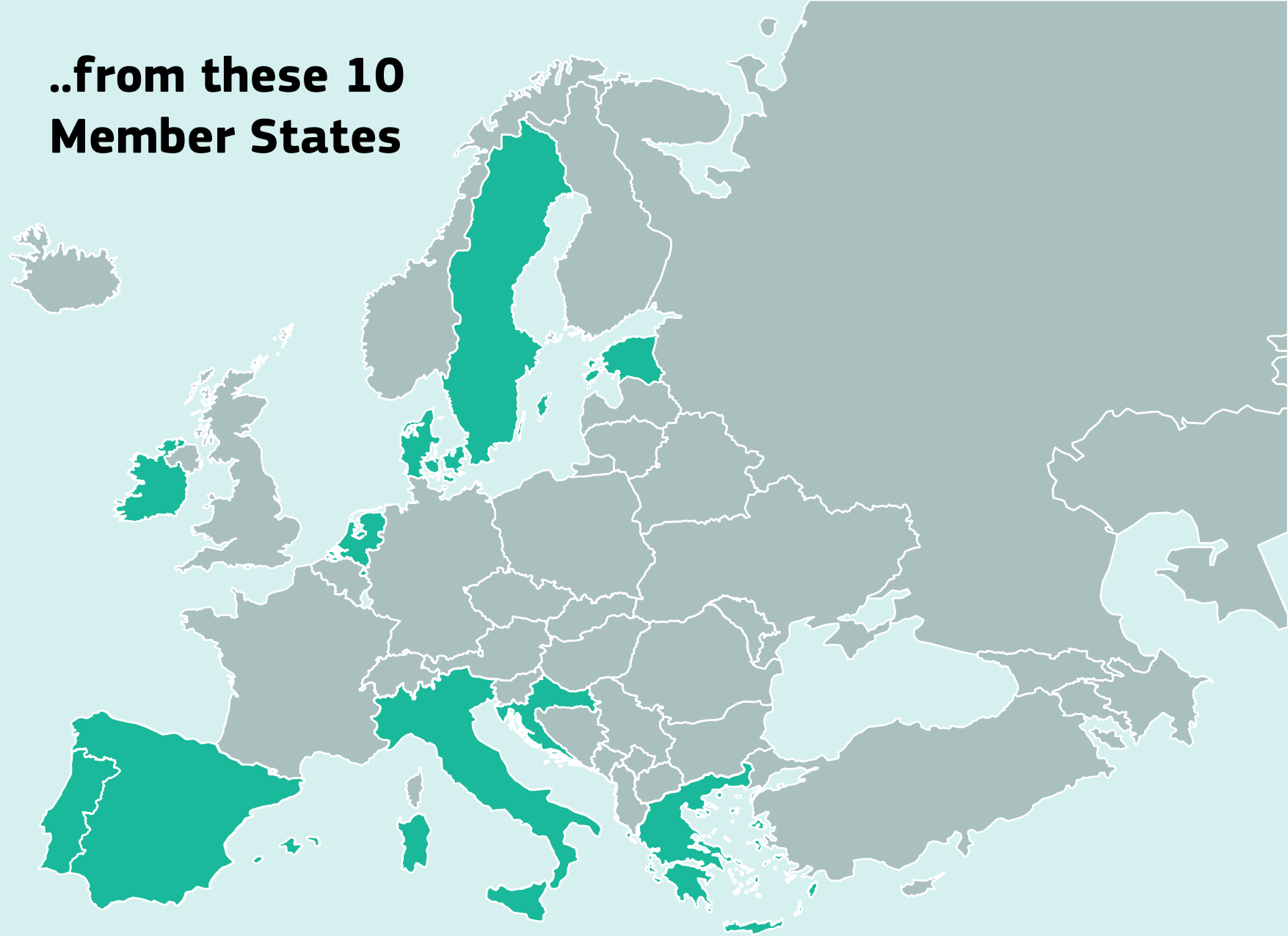
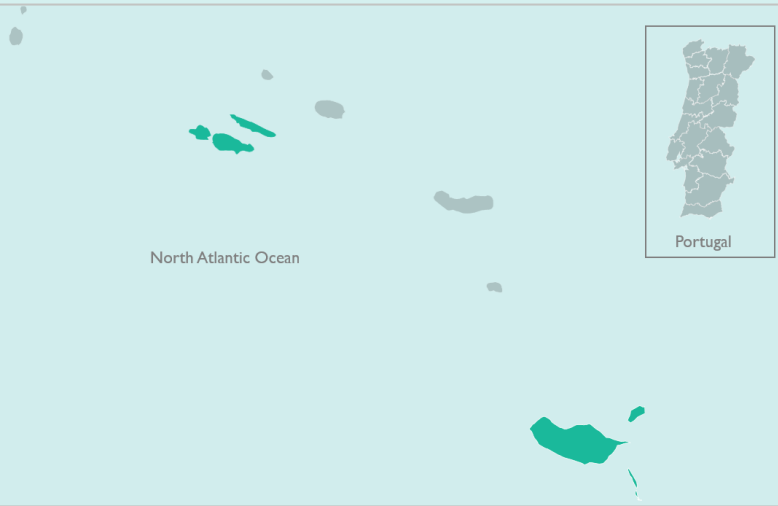
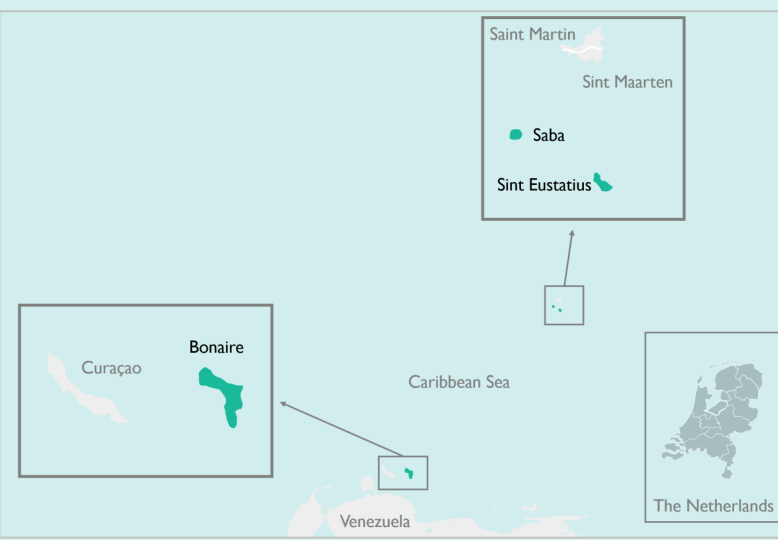
Clean energy for EU islands  
[www.euislands.eu](http://www.euislands.eu) | [info@euislands.eu](mailto:info@euislands.eu)



**Meet the 30 islands..**



# ..from these 10 Member States



# Mediterranean basin

Spain  
(Balearics)



Balearic  
Islands

Italy



Giglio and  
Giannutri

San Pietro

Salina and the  
Aeolian Islands

Croatia



Cres Losinj

Pašman

Korčula

Greece



Othonoi and  
Ereikousa

Psara

Lesvos

Astypalea

Tilos

Pantelleria

Megisti

# Atlantic basin

Ireland



Spain  
(Canaries)



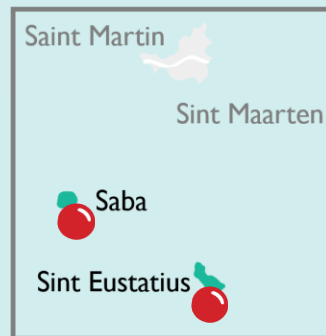
Pico, Fajal and São Jorge

Portugal



Madeira

Netherlands



Curaçao  
Bonaire

Caribbean Sea



Venezuela

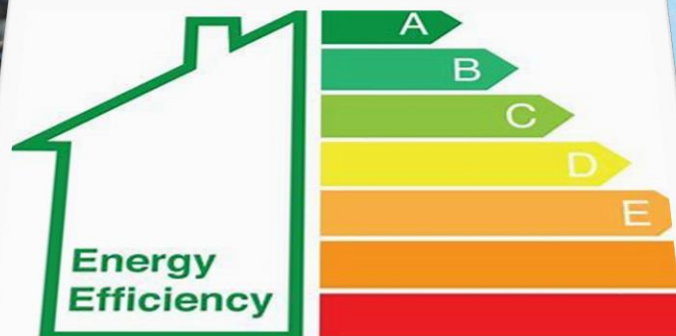
North Atlantic Ocean

# Nordic basin

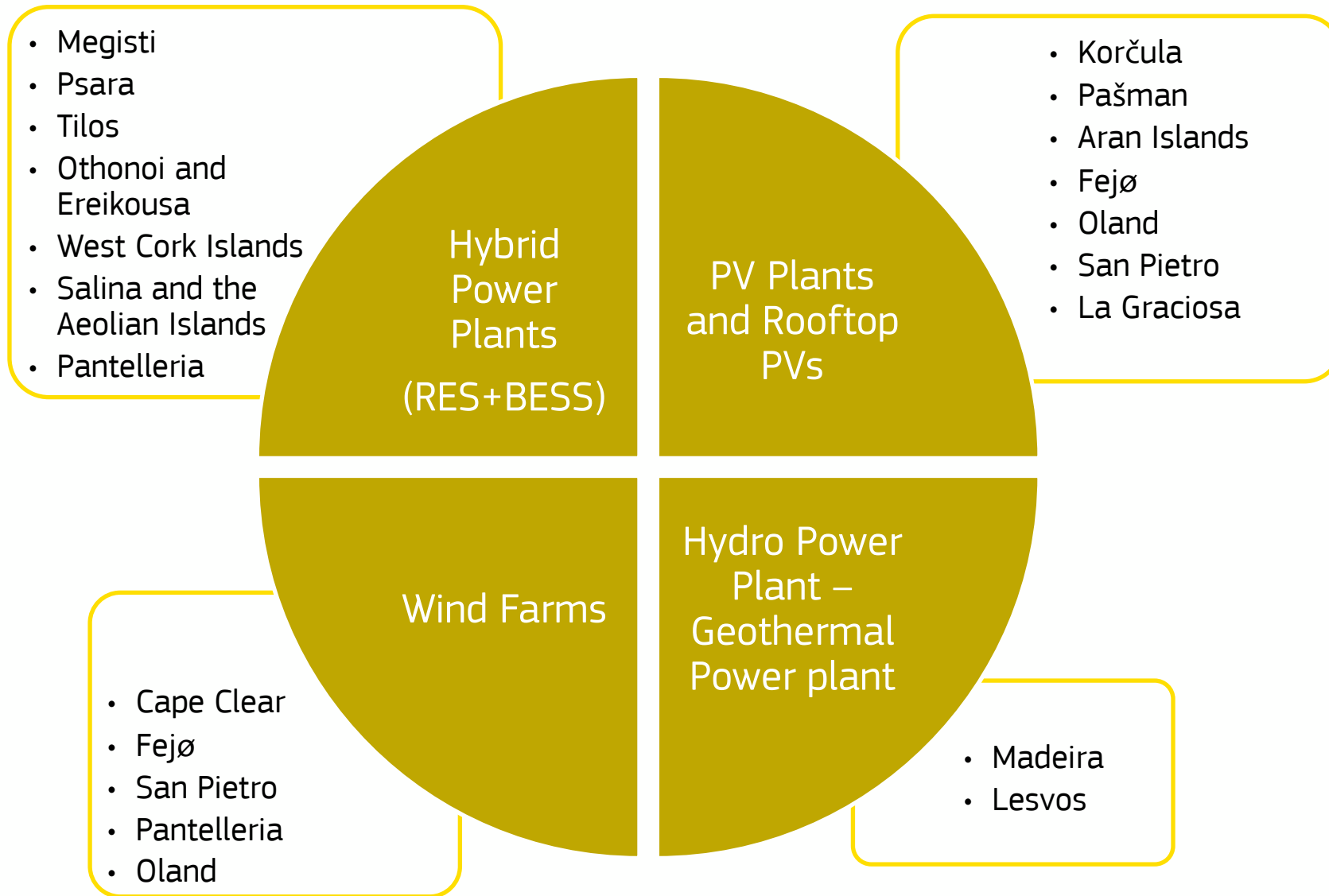




## Topics of the Technical Assistance



# Renewable Energy Technologies





# Sustainable transport

## Hybrid, electric, and hydrogen ferries

- Astypalea
- Othonoi and Ereikousa
- Fejø
- Saaremaa and Ruhnu
- Azores
- Giglio and Giannutri
- Ven, Holmön, Vinön, Visingsö

## EV deployment plan and charging infrastructure

- Megisti
- Psara
- Tilos
- Bonaire, Saba, Sint Eustatius
- Saaremaa and Ruhnu
- Aran Islands
- Pantelleria

# Energy Efficiency, Storage, and Electricity Systems

## EE measures in buildings and heat pumps deployment

- Megisti
- Psara
- Tilos
- Othonoi and Ereikousa
- Korčula
- Pašman
- Aran Islands

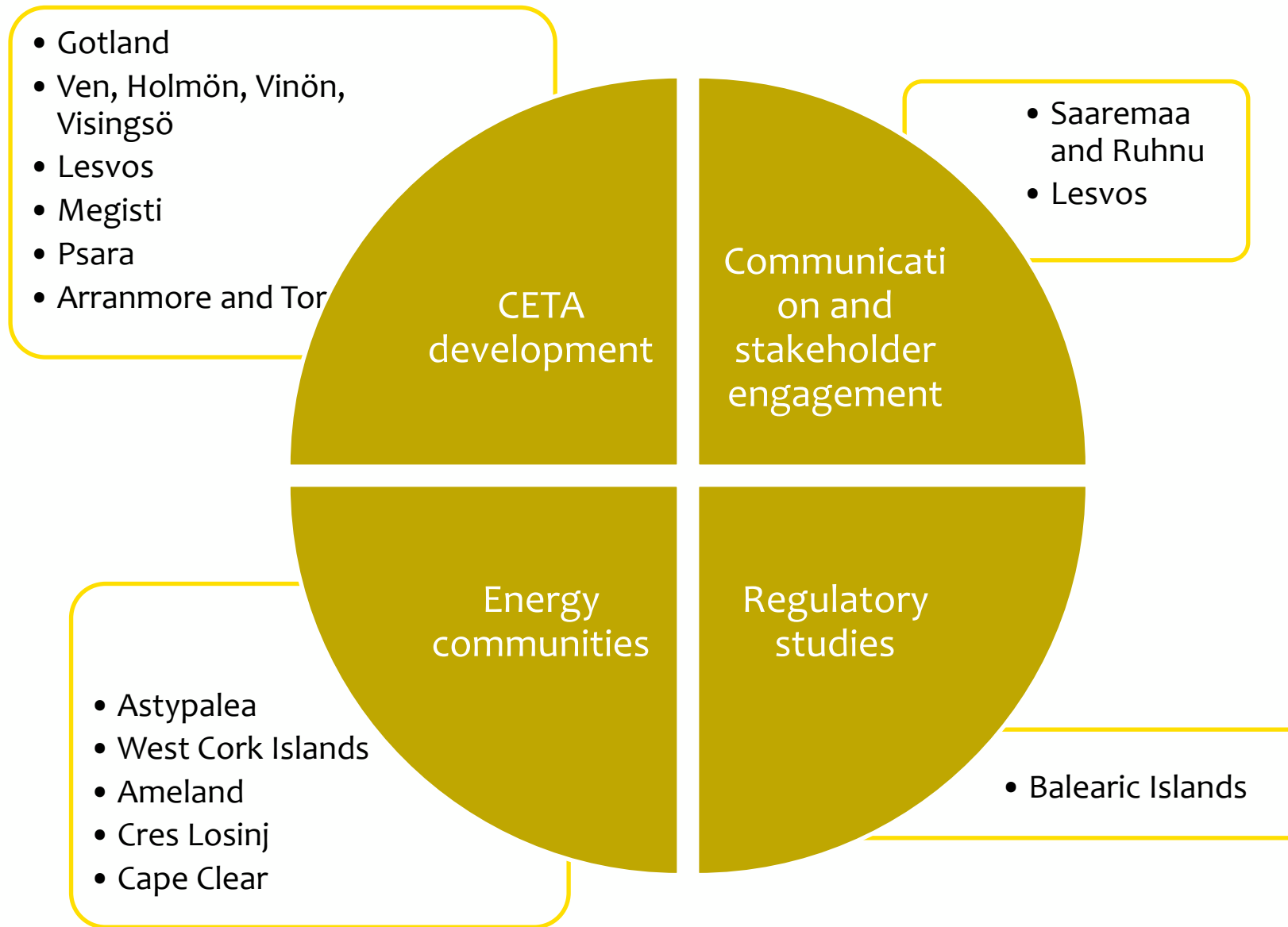
## Energy storage (BESS, hydrogen, pumped-hydro)

- Lesvos
- Azores
- Cres Losinj
- Gotland
- Megisti
- La Palma
- Madeira

## Electricity systems (flexibility and DSM, smart infrastructure)

- Saaremaa and Ruhnu
- Astypalea
- Bonaire, Saba, Sint Eustatius

# Other topics



# Capacity building

2024

- **Effective communication** and capacity building strategies
- **Energy efficiency** and energy savings
- Impacts from **onshore and offshore wind energy**
- **Smart electricity systems**: demand-side management and flexibility
- **Sustainable land transport**
- Financial schemes for renewable plants and **shared ownership**
- Reducing the emissions related **to water supply and distribution**

2025

- Innovative application of the **photovoltaic technology**
- **Sustainable marine transport** and the role of ports
- **Sustainable land transport**
- **Effective communication** and capacity building strategies
- **Battery storage**
- Financial schemes for renewable plants and **shared ownership**
- **Waste** management and treatment

2026

- **Smart electricity systems**: demand-side management and flexibility
- **Spatial energy planning**
- **Battery storage**
- **Hydrogen technologies**
- **Sustainable marine transport** and the role of ports
- **Sustainable tourism on small islands**



# Thank you!

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