



# CLEAN ENERGY FOR EU ISLANDS



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2.700 ISLANDS IN THE EU, POPULATION NEARLY 15 MILLION

Today

Dependence on fossil fuel

High costs for electricity production

Compensation of these high cost: over 3 billion EURO annually

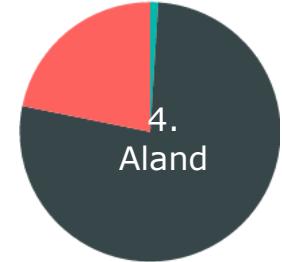
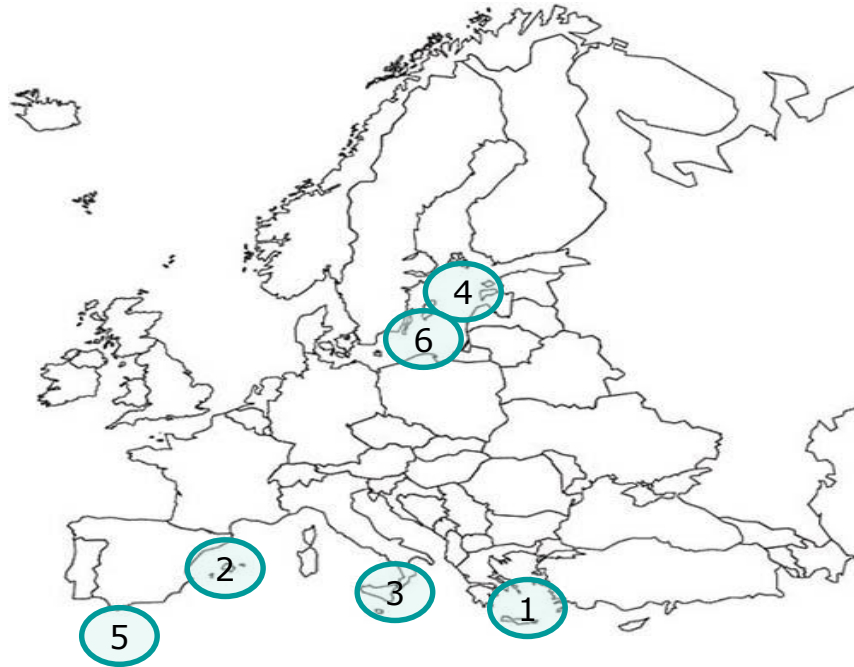
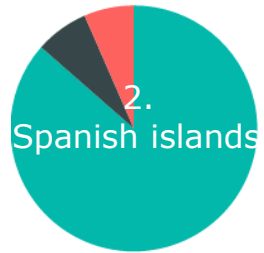
Looking ahead

Bring down energy production costs

Eliminate subsidies for fossil fuels

Focus on energy efficiency and renewables, with best use of available technologies

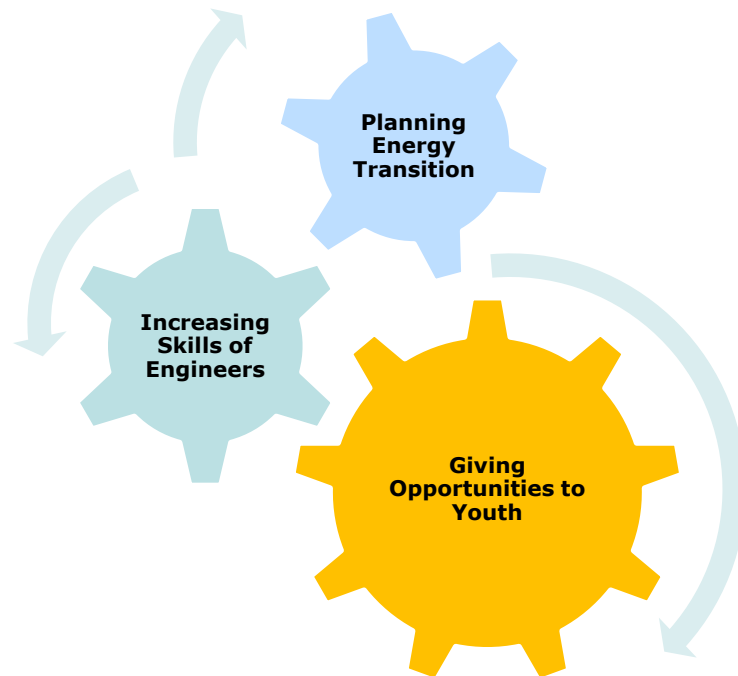
## TODAYS ENERGY MIX ON A SAMPLE OF ISLANDS



# From Silos to.....



# To Integrated Action



# CLEAN ENERGY FOR EU ISLANDS INITIATIVE

## THE INITIATIVE IS ABOUT...

Optimally using islands' resources and infrastructures

Mainstreaming existing instruments and best practices

Spurring up investment

Transferring knowledge from one island to the other

## ISLANDS TO CONTROL THEIR FUTURE THROUGH...

Energy efficiency measures in buildings/industry

Micro grids, demand-side management and storage

Variable renewable energy sources, e.g. marine energy Etc.

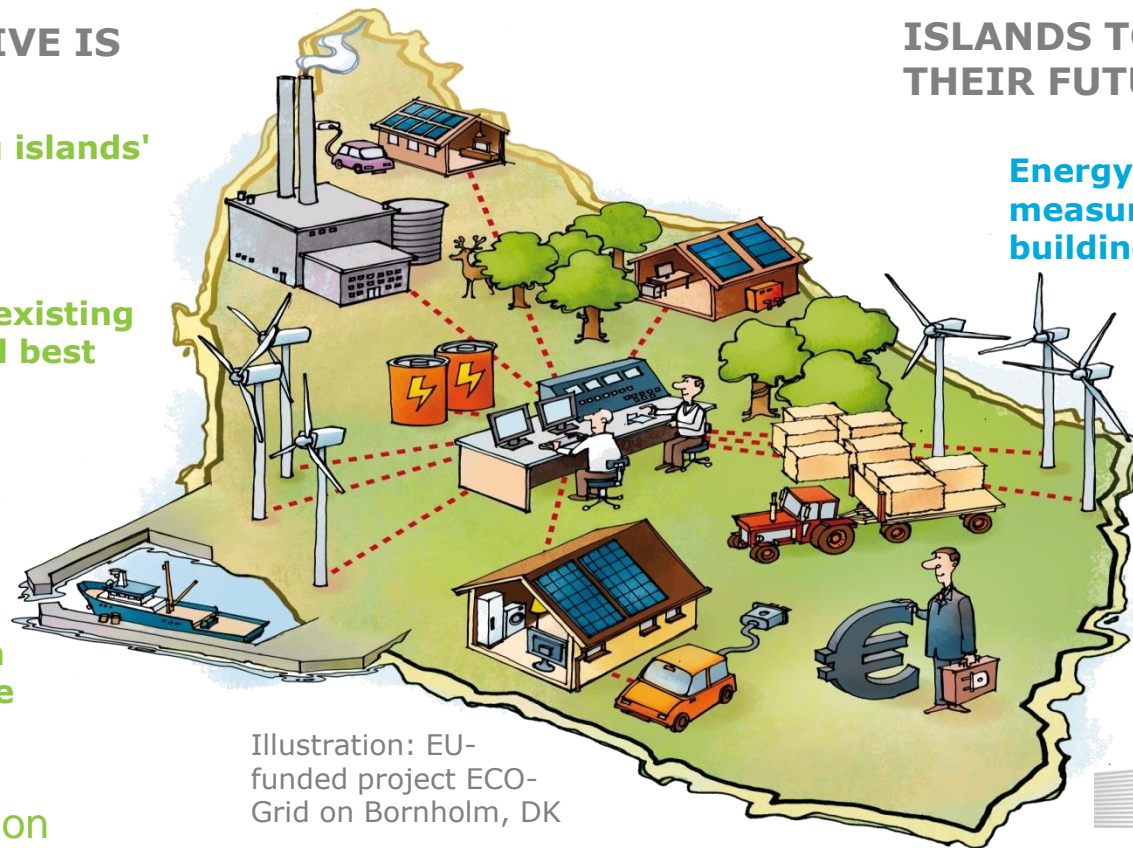


Illustration: EU-funded project ECO-Grid on Bornholm, DK



## **Sustainable Energy For All European Islands**

- 1. As far as practically possible; self-sufficient, sustainable, local energy.**
- 2. Community led for local needs.**
- 3. Whole island concept, covering, electricity, heating, cooling, transport on the island and ferry services.**
- 4. A high degree of local participation, local employment and community agreement**
- 5. Lower costs, prices and subsidies, as referenced to the status quo ante**



**Any Questions?: [brendan.devlin@ec.europa.eu](mailto:brendan.devlin@ec.europa.eu)**



**Our core values** – excellence, transparency, integrity



# THE CLEAN ENERGY FOR ALL EUROPEANS PACKAGE



Putting energy efficiency first



Demonstrating global leadership in renewables



Delivering a fair deal for consumers

An opportunity to..



...create jobs & growth



...secure energy supply



...bring down GHG emissions



...make the market fit for purpose



...foster innovation



...spur investment

THE ENERGY SYSTEM OF TOMORROW WILL LOOK DIFFERENT

2015

Most ambitious climate agreement signed in Paris, thanks to EU



2030

50 % of electricity to come from renewables



2050

Carbon free electricity & transport further decarbonised



CREATING JOBS AND GROWTH, REDUCING GREENHOUSE GAS EMISSIONS, SECURING ENERGY SUPPLY



Putting **energy efficiency** first



Making the EU world leader in **renewables**

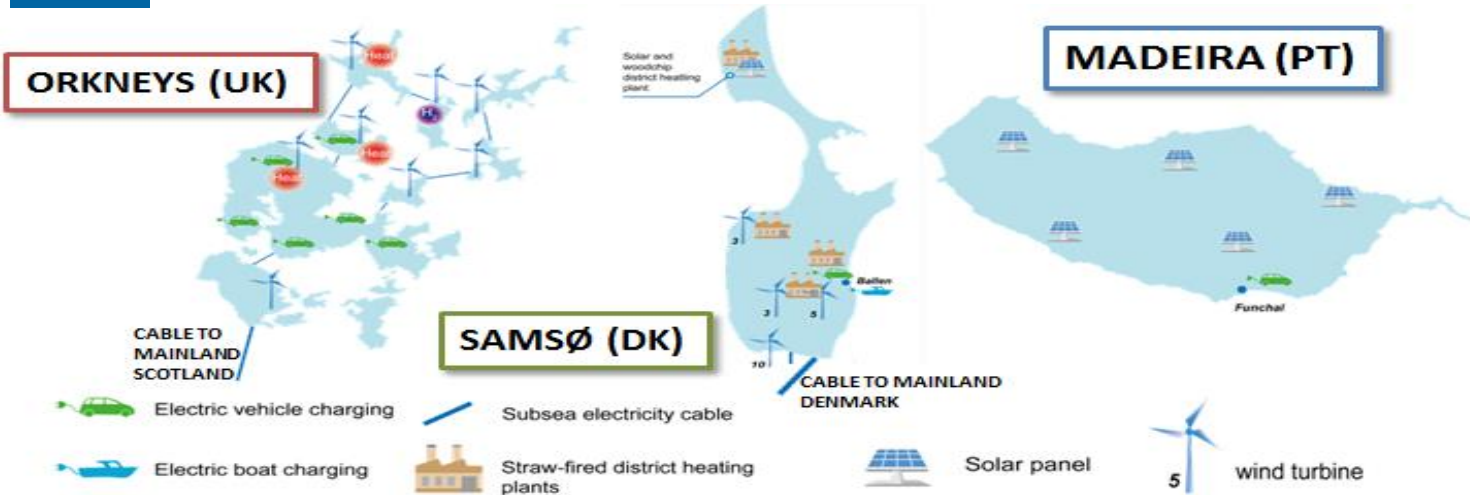


Delivering a fair deal for **consumers**

MAINSTREAMING EXISTING INSTRUMENTS AND INSPIRING EXAMPLES

HORIZON  
2020

SMart ISlands Energy  
systems (SMILE)



MAINSTREAMING EXISTING INSTRUMENTS AND INSPIRING EXAMPLES



34.000 kWh energy saved per year



8 tCO<sub>2</sub> emissions avoided per year



14.000 kWh of energy from renewable sources produced per year

