

PRISMI PLUS

*Transferring a toolkit for RES Integration
in Smart Mediterranean Islands and rural areas*

Overview of the PRISMI PLUS project

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EUKI AaCTA workshop

22 October 2021



PRISMI consortium and pilot areas (11/2016-4/2018)

1. Akamas Peninsula – CYPRUS
2. Korcula and Vls Islands – CROATIA



Sapienza University of Rome
Dept. of Astronautical, Electrical
and Energy Engineering



**Centre for Renewable Energy
Sources and Saving**



University of Zagreb
Dept. of Energy, Power
Engineering and Environment



Cyprus Energy Agency



**Piraeus University of Applied
Sciences** - Dept. of Mechanical
Engineering



**Malta Intelligent Energy
Management Agency**



**Municipality
of Favignana island**



3. Tilos Island – GREECE

4. Favignana Island – ITALY

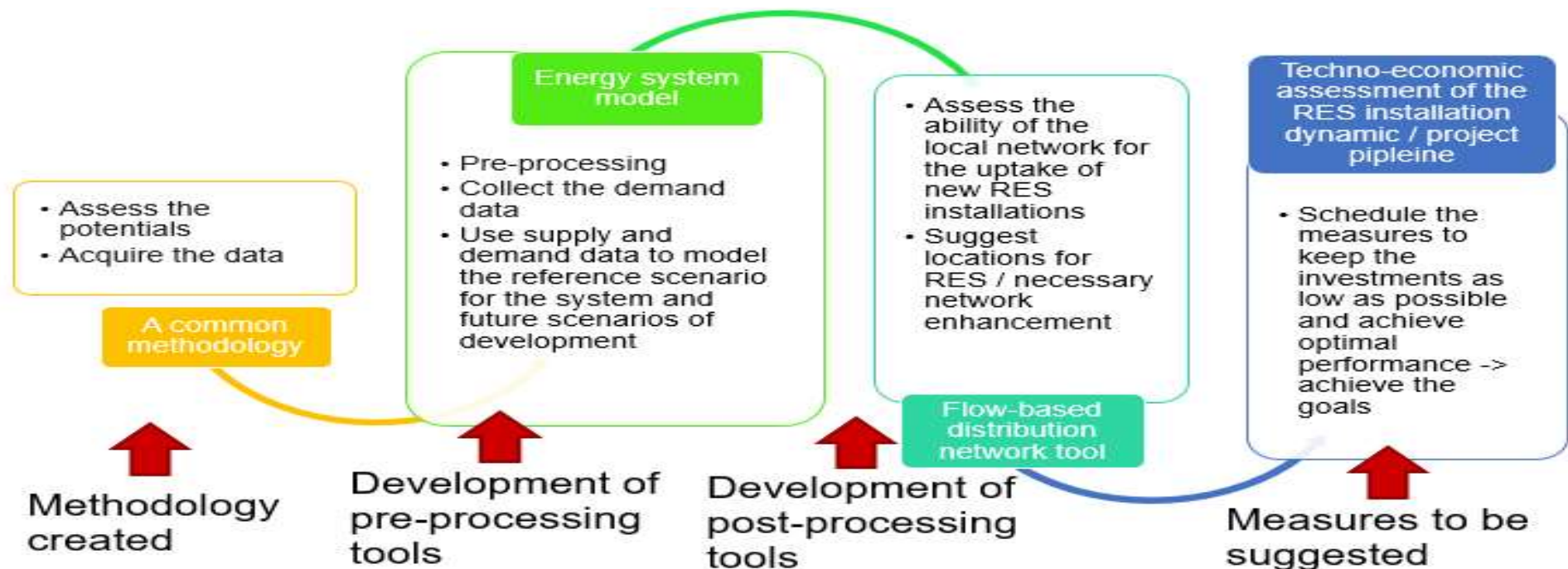
5. Gozo Region – MALTA



PRISMI Objectives

PRISMI aimed at supporting the transition of Mediterranean Islands to an autonomous, cleaner, secure, low-carbon energy system, by developing:

- An **integrated toolkit** for assessing and mapping the local potential of RES and their exploitation in new energy systems
- A **SECAP** for each case study area with recommendations and strategies for developing integrated RES
- The establishment of a **PRISMI Network of Stakeholders** to support exchange of knowledge and best practices in RES integration in Mediterranean Islands.



PRISMI PLUS consortium (1.3.2021 – 30.6.2022)



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PRISMI PLUS context - Island & Remote, Rural Areas Challenges & Prospects

- Medium-high quality RES potential normally available
- Normally, also in favor of local-scale solutions
- Land use issues and conflicting interests
- Sensitive ecosystems/ touristic destinations
- In need of advanced system-level planning
- Seeking harmony with local aesthetics
- In need of higher levels of awareness
- In need of higher levels of engagement
- In need of holistic approaches, especially for the smaller scale islands

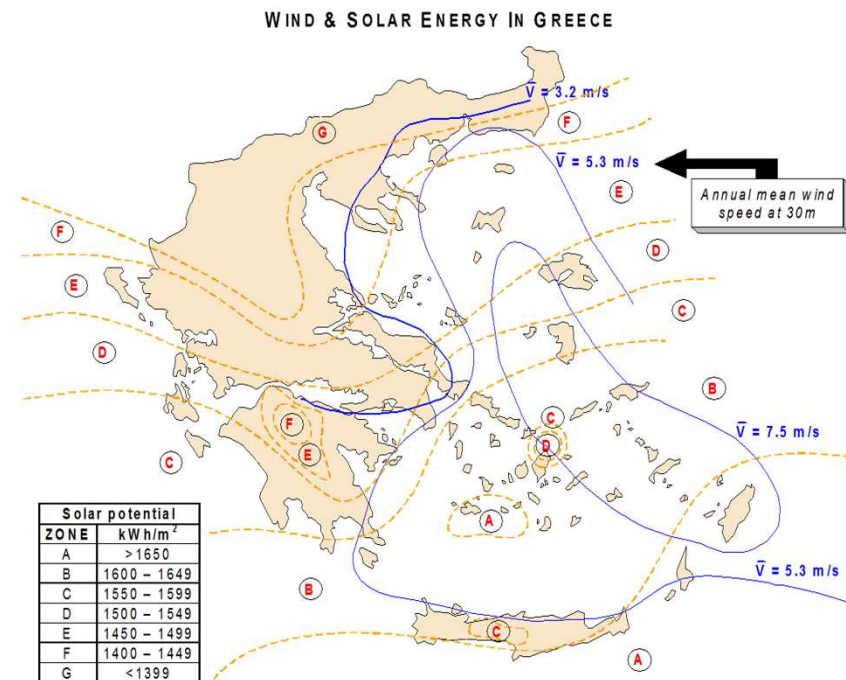


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PRISMI PLUS context - Island & Remote, Rural Areas Challenges & Prospects

- Security of supply issues (energy, water)
- Occurrence of stresses
- Seasonality aspects
- Remoteness (accessibility) aspects
- Vulnerable grids (extreme weather events)
- Lack or limited dedicated maintenance crews
- Electricity mix largely relying on oil imports
- Low penetration of RES / RES curtailments
- Increased or even extreme electricity production costs
- Increased water and fuel transportation costs



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PRISMI PLUS short description (from AF)

Islands and rural areas decision-makers generally find difficulties in **planning** the **transition** to **low-carbon energy systems** for many reasons, such as **lack of knowledge and data**. TRISMI aims at tackling this challenge by **transferring the PRISMI decision-making tool** for **increasing** local Renewable Energy Sources **(RES) penetration** based on a **multicriteria analysis** and a **transnational approach**, considering **economic, technical and environmental parameters**, to **identify optimal solutions** respecting local features and social needs. The transferring approach will rely on the involvement of **receivers** enabling a better understanding of **their needs** and allowing adjustments for an effective application of the tool and the consequent development of 2 Sustainable Energy and Climate Action Plans (**SECAPs**) for rural areas and 2 Clean Energy Transition Agendas (**CETAs**) for islands. **Givers will share tool knowledge and receivers will provide information on local contexts, regulations and social needs while learning how to apply the tool**. Moreover, the effective transferring to receivers will be assessed by a **transferability test**. This intertwined collaboration will be realised through **virtual and physical meetings**, enriched by communal activities that will enable experience sharing and knowledge raising for all participants and **one-to-one training** to respond to specific needs. Finally, receivers will be able to further **disseminate and apply the tool after the project lifetime** in new territories.



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PRISMI PLUS main aims and activities

To present the tool and collect the Receivers Project Partner (RPPs) feedback to **adjust** it accordingly (**A3.3**) establishing a key dialogue with GPPs. Transnational cooperation will be key to prevent fragmented analysis and to promote experience sharing on economic, technical, and institutional issues;

To provide a complete **training programme to receivers (in national languages)** (**A3.4**). The training process will be achieved by different means aiming at optimising its effectiveness while maximising the potential uptake after the project lifetime by means of online and one-to-one training, documents translation into national languages and video training publication on the project website. **A minimum of 10 territories RPPs + RAs** will receive the training as indicated in Output n.3; Output indicator: **MoU to sign**.

To **apply the tool on the case studies** (**A3.5**). GPPs and RPPs will jointly elaborate relevant energy scenarios for planning the energy transition of the receivers' territories. The tool will be applied in **10 different case studies** as indicated in Output n.1 (**4 project case studies + at least 6 flagship cases**) (**A3.8**) to be selected with the HP – to apply by next Monday: <https://renewable-energies.interreg-med.eu/no-cache/news-events/news/detail/actualites/etu-initiative-flagship-call-1/>); Output indicator: **MoU to sign**.



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PRISMI PLUS main aims and activities

To **test the effective transferring of knowledge to RPPs (A3.6)** will be the key to verify the receiver acquired knowledge, providing an additional training phase if the test results are not satisfactory.

The effective uptake of the developed results will be ensured by the development of **2 SECAPs (for rurals areas) and 2 CETAs (for islands)** based on the obtained results (**A3.7**) (Output n.2).

Collaboration in the Regional Groups and Flagship Cases developed in the Interreg MED RE community (**A3.8**). **MoU to sign.**

The newly acquired knowledge and ability to effectively apply the PRISMI tool will enable several organisations in the MED area to **develop ambitious energy strategies** and to increase the RES penetration of their territories thus **benefiting a large populations of rural areas (Output n.4) and islands (Output n.5)** in line with the call objective and the EU Green Deal.



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Activities RECAP

Activity 1 Project Management	Activity 2 Communication and Dissemination activities	Activity 3 Introduction to the tool and specific tool adjustment
Sapienza	Sapienza	Unizag

Activity 4 Capacity building	Activity 5 Toolkit application in receiver territories	Activity 6 Transferability test
West Attica	Unizag	Sapienza

Activity 7 Effective uptake of project application	Activity 8 Collaboration in the Regional Groups & Flagship Cases developed in Interreg MED RE community
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Thanks for your attention!



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