New Energy Solutions Optimised for Islands



D7.6: Report from islands staff coaching (first part)

Authors: R2M Solution



Technical references

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Project Coordinator	Andrea Martinez, SINLOC, nesoi@sinloc.com
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Initial draft	19 July 2023	Cécile Barrère, Sophie Dourlens-Quaranta, Zia Lennard, Ban Rajab Basha	R2M Solution
Partners' review	24 July 2023	Vasiliki Palla, Giorgio Bonvicini, Jesús Rubio Conde	CERTH, RINA- C, DELOITTE
Quality control	31 July 2023	Alessandra Montanelli	SINLOC

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Annex D. Details of SST1

D-1. SST1 programme

Here below is the entire agenda of the SST1 event. It is split in parts in order to structure the day in coherent groups of sessions aiming towards the same objective. All participants are expected to present island projects they have been or are involved in. Site visits and interventions from experts are also associated with objectives. The whole programme aims at growing the participants' knowledge regarding how to develop an energy community and an e-mobility plan, particularly in the context of an island.

SLC	T	DAY 1 - 7 March	SPEAKER
17:00	19:00	Arrival at Astypalea (Sky Express flight from Athens landing at about 14:00) 17:00 - Icebreaker at the venue: R2M/NE5OI/SST & DAFNI introduction, participants roundtable Greetings from the Mayor: "A vision for sustainable development", Nikolaos Komineas, Municipality of Astypalea	R2M
		Welcome dinner (20h - Karlos)	
SLO	т	DAY 2 - 8 March	SPEAKER(S)
09:00	09:10	Introduction of the day Cécile Barrère, Kostas Komninos	R2M Municipality of Astypalea
	Part	1 – Objective: Understand Astypalea situation, energy land	Iscape
09:10	10:30	Astypalea Session Local context, EC initiatives and projects overview - The "Astypalea Smart Sustainable Island" project, Kostas Komninos, DAFNI (10') - The Astypalea Electrical System, Petros Markopoulos, DAFNI (15') QA session (5') Astypalea in NESOI project-"The ENNERAS project" - Clean Energy Transition Agenda, Fanis Christakopoulos, AEGEA (15') - Sustainable Urban Mobility Plan, Antonis Stathopoulos/Sophia Akritidou, NAMA (15') QA session (10')	Municipality of Astypalea Kostas Kampylis DAFNI NAMA AEGEA
10:30	11:00	Coffee break	
	Part 2	Objective: Knowledge sharing, energy transition paths fo	r Islands
11:00	13:00	Islands Clean Energy Transition Part A: The utilities - National Energy and Climate Plan, Thanos Zarogiannis, Ministry of Energy and Environment (10') (Online) - Regulatory Framework for Islands Energy Transition, Ioannis Charalampidis, Regulatory Authority for Energy (10') - Clean energy transition in the non-interconnected Islands, Argyro Maganioti, Hellenic Electricity Distribution and Network Operator (10') (Online) - Interconnecting Islands, Michail Chatzipanos, IPTO (10')	DAFNI Ministry of Energy and Environment Regulatory Authorit for Energy Hellenic Electricity Distribution and Network Operator IPTO
13:00	13:15	Lunch break	



	A.C. A.C. COLO	Objective: e-mobility, path from regulation to project imple	mentation
13:45	14:30	Part B: The Island projects - Electric Vehicle Charging Plan, Konstantina Zoumpoulaki, DAFNI (10') - Participants present their island projects — Challenges and Opportunities, Adán Jorge Dávila Medina, GEURSA, combined PV/BEES solution for Las Palmas de Gran Canaria City. (15') Mirna Dalić Island Movement projects, "Croatian Islands on a path to Green Energy" (15')	
14:30	16:30	Site visit EV stations / EVs On-demand mobility service with EVs / Application exhibition EV charging Hub	Municipality of Astypalea Kostas <u>Kampylis</u>
16:30	17:30	Greek National Plan for E-mobility, Thanos Zarogiannis, Ministry of Energy and Environment (15')(Online) Electromobility in Croatia and Spain, NESOI participants NESOI participants (2 projects - 30'): Vedran Kirincis: "On the road to climate-neutral mobility in Croatia" (15') Pablo Alvarez Fernandez, The project of 'Arousa en Transción'. (15') Q&A The Astypalea electromobility ecosystem (15' = 3' testimonial / representative) - RaC businesses - Municipality - Hotel owner - On-demand manager (K2) - DSO (HEDNO)	DAFNI Kostas Komninos Ministry of Energy and Environment SST participants Local e-mobility stakeholders
20:00	22:00	Social dinner with invited speakers, venue TBC	
SLO	т	DAY 3 - 9 March	SPEAKER
09:00	09:10	Introduction of the day Cécile Barrère, Kostas Komninos	R2M DAFNI
- 1	Part 4 – 0	bjective: Learn best practices from the Greek Island lightho	use projects
	_		
09:30	11:00	Greek Island lighthouse projects Introduction: Kythnos as the first test-bed smart island in Greece, Kostas Komninos, DAFNI (15') Ikaria, Anastasis Tsoumanis, PPC Renewables (15') (Online) Tilos, Prof Ioannis (John) K. Kaldellis, UNIWA, Eunice Energy Group (15') (Online) Chalki, Vasileios Chantziaras, Municipality of Chalki (15') (Online) Ai Stratis, Panagiotis Zorlos, CRES (15') - (Online) Nisyros and Patmos working field examples of GReco Islands expertise study, Prof Ioannis (John) K. Kaldellis, UNIWA (15') (Online) Q&A	Municipality of Astypalea Nikos Komineas, Mayor DAFNI PPC Renewables CRES UNIWA Municipality of Chalki Municipality of Tilo
09:30	11:00	Introduction: Kythnos as the first test-bed smart island in Greece, Kostas Komninos, DAFNI (15') Ikaria, Anastasis Tsoumanis, PPC Renewables (15') (Online) Tilos, Prof Ioannis (John) K. Kaldellis, UNIWA, Eunice Energy Group (15') (Online) Chalki, Vasileios Chantziaras, Municipality of Chalki (15') (Online) Ai Stratis, Panagiotis Zorlos, CRES (15') - (Online) Nisyros and Patmos working field examples of GReco Islands expertise study, Prof Joannis (John) K. Kaldellis, UNIWA (15') (Online)	Astypalea Nikos Komineas, Mayor DAFNI PPC Renewables CRES UNIWA Municipality of



		and share experiences from Samso, Croatia and Greece.	
11:30	13:00	Energy Communities session Keynote speech 1: WOLFTHEISS – NESOI energy community legal support experience (EU, Croatia and more). (20') Keynote speech 2: Alexis Chatzimpiros, Samso Energy academy (Online) Alice Corovessi, WEnCoop Energy Cooperative (10') (Online) Ioannis Tsirimokos, West Greece Region Energy Communities (10') (Online) George Chrysoloras, Samos Energy Community (10') (Online) Vasilelos Filippou, Energy Community of Karditsa (10') (Online)	DAFNI Petros Markopoulo
13:00	14:15	Lunch break	
31	Part 6 – Ol	ojective: PESTLE analysis practice, debottlenecking project d	levelopment :
14:15	16:00	Experience sharing Ugo Tolc, OTRA, Energy transition of the Cres-Lošinj archipelago. (15') Francesca Battistelli, CNR, Ecological transition in Italian Small island (15') Dimitrios Katsaprakakis (NESOI guest), Minoan Energy Community (15') Share trainees' experience on Energy Communities Open discussion on barriers and boosters for the islands' clean energy transition	R2M Sophie <u>Dourlens</u>
	Pa	t 7 – Objective: learn from Maltezana EC co-creation experi	ience
16:00	16:30	Maltezana Transfer to Maltezana	
16:30	17:00	Visit Maltezana settlement	Municipality of Astypalea
17:00	19:00	Meeting with potential members of the Maltezana Energy Community and attending a real-time open-meetings for the preparation of the EC's next steps	
	A	Free time / Participants organize dinner on their own.	



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SLOT	DAY 5 - 11 March	
Morning	Departure from Astypalea Island	
worning	Recommended flight Sky Express to Athens at 11:40	



D-2. SST1 presentations

Most of the material presented during the Short Study Tour was made available by the speakers to the community. The PDFs have been uploaded and referenced into the NESOI platform to be used as e-learning material.

SST1 presentations available as e-learning material on the NESOI platform

Kostas Komninos, DAFNI Role of DAFNI in the Clean Energy for EU Islands Initiative

NESOI Platform e-learning module category: Energy Transition Plan



Nikolaos Komineas, Mayor of Astypalea Astypalea: a vision for sustainable development

NESOI Platform e-learning module category: Energy Transition Plan



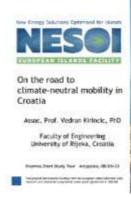




NESOI GUEST PRESENTATIONS

Prof. Vedran, UOR
On the road to climate-neutral mobility in
Croatia

NESOI Platform e-learning module category: e-Mobility









SST1 presentations available as e-learning material on the NESOI platform

Pablo Alvarez Fernandez
The project of 'Arousa en Transción'

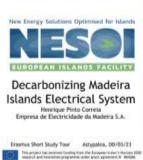
NESOI Platform e-learning module category:

Energy Transition Plan



Henrique Pinto Correia, EEM
Decarbonizing Madeira Islands electrical systems

NESOI Platform e-learning module category: Renewable Energy Sources





Adan Jorge, GEURSA Energy management LPGC

NESOI Platform e-learning module category:

Energy Transition Plan





Mirna Dalic Croatian Islands on a path to Green Energy

NESOI Platform e-learning module category:
Renewable Energy Sources





Francesca Battistelli, CNR
The ecological transition in Italian small islands

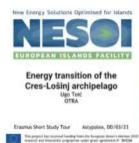
NESOI Platform e-learning module category:

Energy Transition



Ugo Toic, OTRA Energy transition of the Cres-Lošinj archipelago

NESOI Platform e-learning module category: Energy Efficiency

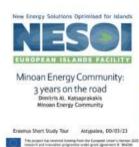




Dimitris Al. Katsaprakakis Minoan Energy Community: 3 years on the road

NESOI Platform e-learning module category:

Energy Efficiency





KNOWLEDGE SHARING REGARDING PROJECT DEVELOPMENT ON ISLANDS

Argiro Magkanioti, HEDNO
The Electricity Market of Non-Interconnected
Islands in Greece

NESOI Platform e-learning module category:

Energy Transition Plan





Michail A. Chatzipanos, IPTO Interconnecting the Greek Islands

NESOI Platform e-learning module category:

Energy Transition Plan



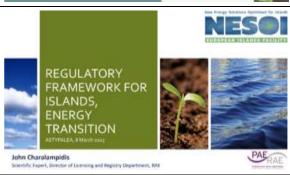
Thanos Zarogiannis, Greek Ministry of Environment & Energy Energy Transition of Greece & Decarbonisation of Islands

NESOI Platform e-learning module category: Energy Transition Plans National Energy and
Climate Plan

ENERGY TRANSITION
OF GREECE &
DECARBONISATION OF
ISLANDS

John Charalampidis, RAE Regulatory Framework for Islands, Energy Transition

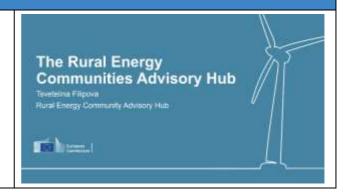
NESOI Platform e-learning module category: Energy Transition Plans



TECHNICAL SUPPORT FROM THE EC

Tsvetelina Filipova, European Commission The Rural Energy Communities Advisory Hub

NESOI Platform e-learning module category: Energy Transition Plans







Myriam Castanie, ENERGY COMMUNITIES' REPOSITORY

NESOI Platform e-learning module category: Energy Efficiency



Lucija Rakocevic, Think E 30 Renewable Islands for 2030

NESOI Platform e-learning module category: Renewable Energy Sources



TOOLS AND METHODOLOGIES TO SUPPORT ISLAND ENERGY TRANSITION

Ayraam Kartalidis, Nikolas Nikolopulos, CERTH

A set of innovative action plans for sustainable islanding regions and an investment planning tool for development and replication

NESOI Platform e-learning module category:
Investment Plan

Dr Johannes Slacik, ECREW Alternative Energy Community Concepts

NESOI Platform e-learning module category: Energy Transition Plans









Alessandra Montanelli, SINLOC Financial and technical support from the EU

NESOI Platform e-learning module category: Renewable Energy Sources





ASTYPALEA ENERGY LANDSCAPE

Petros Markopoulos, DAFNI Developing the Electrical System

NESOI Platform e-learning module category: Energy Transition Plans Developing the clean energy transition of Astypalea

Astypalea's electrical system

Petros Markopoulos, DAFN:

DAFNI

Technical Support for Sustainable Greek Islands

NESOI Platform e-learning module category: Energy Efficiency The Network of Sustainable Greek Islands operating as a technical support entity for the Island local and regional authorities

Konstantina Zoumpoulaki ,DAFNI Developing Astypalea's Electric Vehicle Charging Plan

NESOI Platform e-learning module category: e-Mobility

Developing Astypalea's Electric Vehicle Charging Plan

Session: Astypalea in NESOI project

Konstantina Zoumpoulai

NESOI

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ENERGY COMMUNITIES SESSION





Alice, WEnCoop
ENERGY COOPERATIVE WEnCoop

NESOI Platform e-learning module category: Energy Efficiency ENERGY
COOPERATIVE
WEnCoop

George Chrysoloras, Samos ERASMUS SHORT STUDY TOUR Samos Energy Community

NESOI Platform e-learning module category: Energy Efficiency



ERASMUS SHORT STUDY TOUR Samos Energy Community

SAMOS 5
ENERGY
COMMUNITY

Astypalea, 9 March 2023

Vasileios Filippou
The Energy Community of Karditsa

NESOI Platform e-learning module category: Energy Efficiency Follow at:

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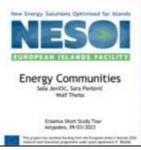
Areat marriers, Anistably (Insuranty of Thumsdooks) (Mill)

EXEK

Sara Pavlović, Wolf Theiss Energy Communities in Croatia

NESOI Platform e-learning module category:

Energy Efficiency









GREEK ISLANDS LIGHTHOUSE PROJECTS Energy Community of Chalki Energy Community of Chalki From vision to action From vision to action NESOI Platform e-learning module category: **Investment Plan** the pilot project 'AGIOS EFSTRATIOS-GREEN ISLAND' Panagiotis Zorlos, CRES GIOS EFSTRATIOS-GREEN ISLAND Centre for Renewable Energy Sources and Saving (CRES) NESOI Platform e-learning module category: **Renewable Energy Sources NESOI ERASMUS STT ≝ ΕΣΠΑ** DAFNI Vision for local economic development NESOI Platform e-learning module category: Investment Plan Anastasis Tsoumanis, PPC RenewablesEnergy IKARIA'S HYBRID PROJECT «NAERAS» IKARIA'S HYBRID PROJECT «NAERAS» NESOI Platform e-learning module category: Anastasis Tsoum Electrical & Computer Engineer, NTUA **Renewable Energy Sources** atsoumanis@ppcr.gr As_H Renewables





D-3. SST1 pictures





Participation in a meeting with residents to stimulate the creation of an energy community









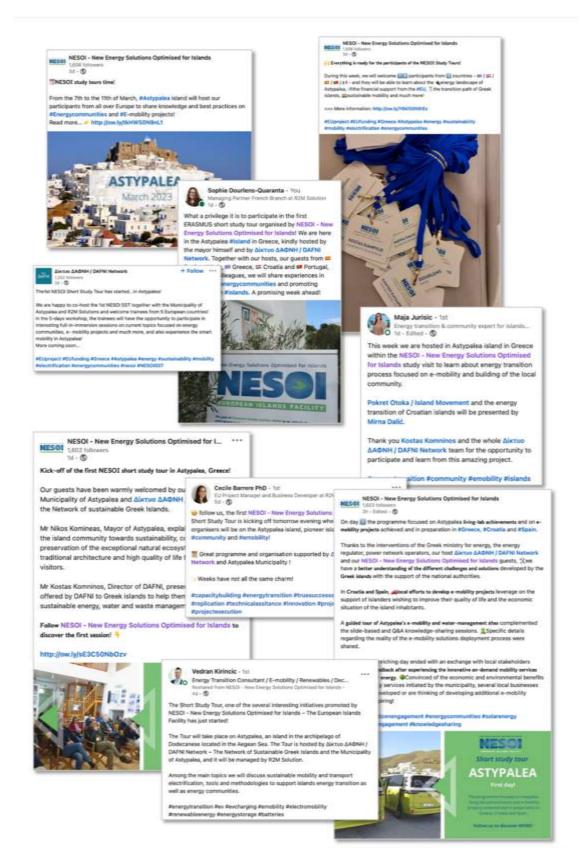






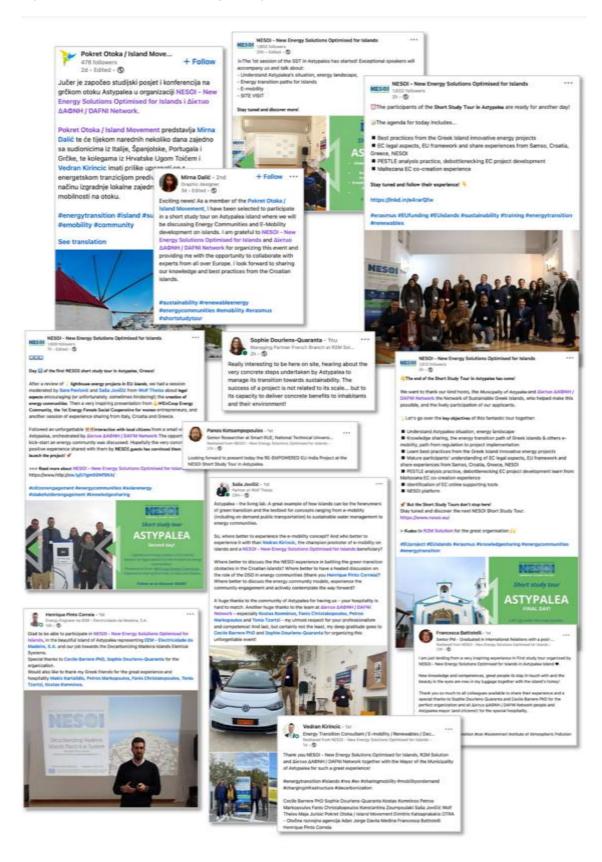


D-4. SST1 communications







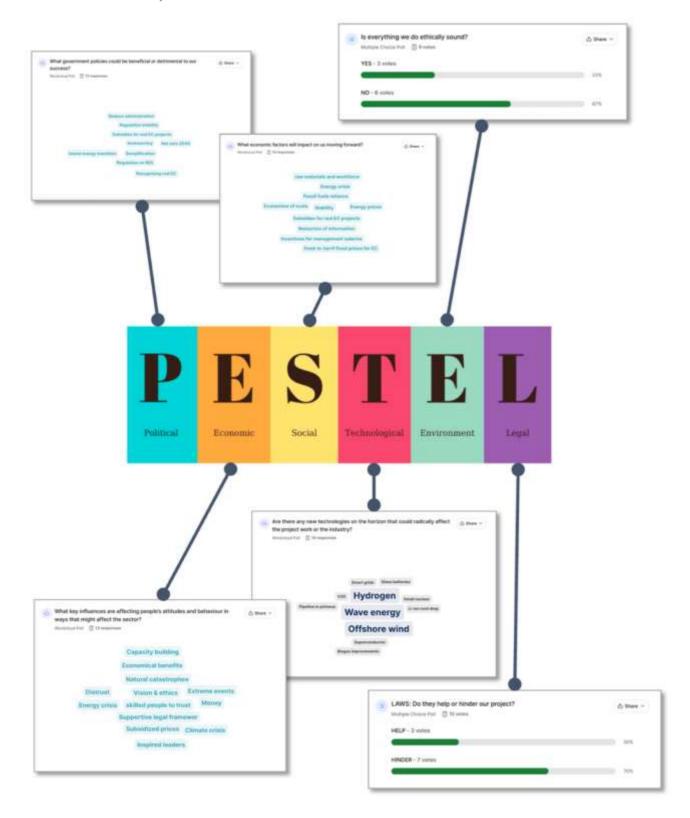






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D-5. SST1 workshop outcomes





D-6. SST1 takeaways and participant feedback

What are your main takeaways from the study tour? (e.g. main learning points, main surprises...)

As employee of a public entity, my main takeaway is a change of mindset towards a more active behaviour to empower society. It was interesting to realize how many different types of agrupations/financial schemes are available throughout Europe, supporting different kind of projects

Main learning points: great projects in other islands, Canaria and Madeira stood out. Great variety of technical assistance opportunities promoted by the EU

Main surprises: Problematic regulatory framework for Energy Communities in Croatia!

Surprising good interaction between the NESOI participants and the local stakeholders in Maltezana session It has been very interesting to be able to learn about the context in which the Astypalea energy community project is being developed. Also, to be able to meet and share experiences from other islands and meet the people who lead the projects.

Was interesting to hear about best (and worst) practices and legislations related to Energy communities, also about Islands opportunities and networking with people working in Island field

Amongst the different aspects discussed, which one is the most likely to have an impact on your future activities and why?

Knowing the different realities regarding the development of energy communities provides a vision of the future that favors projecting a common European vision of the energy transition.

Tha practical experiences presented in Energy communities has been very insightful, for next assistance in building EC in small islands

We expect us to apply for more Technical Assistance from the EU focusing on Energy Communities.

The management of Electric Vehicle chargers by Energy Communities is also a very attractive business plan on the nexus of the aspects discussed in the tour.

The projects implemented in Madeira because there are multiple and different, they are already implemented and the size of the island is at the same scale with Crete.



What concrete impact could have the new contacts made possible during the SST1?

Possibilities for collaboration, easier learning and networking.

Sharing best practices during the implementation of concrete project, new potential project consortium together

Exchange of best practices in regulatory issues. Ideas for replication on national level. Cooperation in EU funding proposals.

New common proposals in forthcoming EU calls, exchange of visits, awareness and experiences at all topics (technical, legal, funding, communication).

Additional comments you would like to share with us:

The program is a good idea, it makes contact with reality possible between the actors involved in the projects. Getting to know the perspective from other parts of Europe.

Great overall experience despite the huge challenge of organising such an extended event on a small remote island. Excellent coordination by R2M. Satisfactory relevance of the participants with the activities.

The workshop was very well organised even a lot of presentation were in agenda (maybe difficult sometimes to keep the attention). Also, I would have liked to meet people from northern islands in Europe, many people from the same country will focus the informal discussion on internal country situation. Finally many technical issues has been tackled off, but social, legal and economic issues obtained very few attention. These are points of improvement for a study tour very interesting and with high added value anyway.

The only objection has been an excess of online presentations that dilute the face-to-face factor of the project.

Personally, I think there were to many presentations and little time for discussion which I find very interesting, as the PESTLE, in which we could exchange thoughts and believes.

Everything was just perfect! Thank you very much NESO!!

Average level of satisfaction regarding the organisation of the SST1 Average level of satisfaction regarding the technical programme of the SST1

4.8/5

4.2/5







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