



## Dear IANOS community member,

We are happy to send you the newsletter of July 2023 to inform you about the developments of IANOS since March 2023.

### About IANOS (Integrated Solutions for Decarbonisation and Smartification of Islands)

IANOS project targets island energy transition strategy focused on energy efficiency, decarbonisation through electrification and support from carbon-neutral fuels, and the empowerment of local energy communities starting from pilot islands, Terceira (Azores) and Ameland (Netherlands), and with fellow islands of Lampedusa (Italy), Bora Bora (French Polynesia) and Nisyros (Greece). The project favours renewable energy sources penetration (solar, wind, tidal, geothermal, hydro, green gas, and waste) within the islands energy systems by exploiting multiple storage mediums (electricity, hydrogen, thermal) to respond to different types of end-users (transport, industry, residential, and services). IANOS will test novel Demand-Side-Management (DSM) and Peer-to-Peer (P2P) transactive energy schemes within the Virtual Power Plant (iVPP) framework.

### What you can find in the newsletter

- Community Engagement Training Samsø, Denmark
- R&D Session powered by NEW
- Testing at EFACEC's Distribution Transformers Factory
- Utilising energy flexibility
- Replication Board: EU islands decarbonisation
- Sustainable Places 2023
- Paper presentation at CIRED
- Talent Final Event
- Capacity Building Training Sessions Terceira, Portugal
- Next event SUPERHR23 Savona, Italy

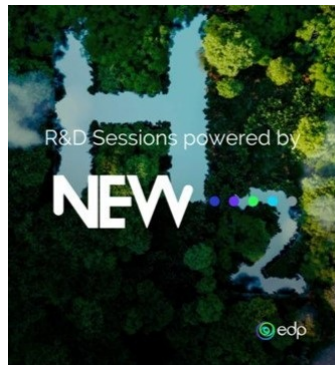


### COMMUNITY ENGAGEMENT TRAINING SAMSØ, DENMARK

In April, a group of 19 people attended and trained during the Community Engagement Training on [Samsø](#) led by project partner [New Energy Coalition](#). **A train-the-trainer approach** to facilitate a knowledge base for IANOS partners and aims to train the project partners in engaging the local communities on their respective islands.

*This training gave new insights for the Capacity Building Training Sessions on Terceira. You can read more about this training later on in this newsletter.*

More information about the training



## R&D SESSION POWERED BY NEW

Project coordinator Eduardo Ruano Rodrigues presented IANOS during the R&D Sessions “**Decarbonising our planet: contributions of R&D on the road ahead**” organised by [EDP NEW](#). The session focused on decarbonisation, presenting projects related to the energy system of geographical islands and how hydrogen will have an active role in the energy transition.



## TESTING AT EFACEC'S DISTRIBUTION TRANSFORMERS FACTORY

In May, we were at [EFACEC](#)'s **Distribution Transformers Factory** to test the Hybrid Transformer to be installed at IANOS Pilot Island Terceira. The acceptance tests were successfully concluded, and the transformer will now wait for the other components to be assembled, namely the bypass cabinet and the Dynamic Voltage Regulator, so the system can be fully integrated and shipped to Terceira.



## UTILISING ENERGY FLEXIBILITY

We are developing a **Centralized Dispatcher** which is responsible for creating the optimal dispatch and control of all assets in the field trials [at the islands of Ameland and Terceira](#). The goal of the Centralized Dispatcher is to utilise the energy flexibility offered by devices such as (Hybrid) heat pumps and match that with an increasing amount of intermittent renewable energy production from wind and solar PV.

Learn more about the Centralized Dispatcher



## REPLICATION BOARD: EU ISLANDS DECARBONISATION

On June we, alongside 9 other European Projects focused on decarbonising the European island's energy mix has, took part in the **GIFT project's replication board** to share the knowledge and good practices gathered.

View PowerPoint + replay meeting

## SUSTAINABLE PLACES 2023

We participated in the "EU Geographical Island as Leaders



**of Green Energy Transition: 5th edition"** clustering workshop held at Sustainable Places 2023 in Madrid. The workshop had the scope to reinforce the synergies already created among the H2020 sister projects dealing with Island Decarbonisation and Clean Energy Transition.

[Replay the workshop](#)



## PAPER PRESENTATION AT CIRED

Project leader Eduardo Ruano Rodrigues and Ana Carvalho from [EDP](#) represented the paper "*IANOS: integrated solutions to decarbonise and improve resilience of power and energy system in geographical islands.*" during the **27th International Conference on Electricity Distribution** held in Rome and organised by [CIRED](#) (International Conference & Exhibition on Electricity Distribution).

*We will share the white paper once it has been approved on our [LinkedIn](#) and [X \(Twitter\)](#).*



## Talent Final Event

Nora Ganzinelli from RINA presented IANOS during the Final Event organised by **TALENT Project** and we participated in the "*Management of decentralised and hybridised energy systems*" round table to share our Energy Community-centric approach and all technologies, tools, and methods we demonstrate in the IANOS project.



## CAPACITY BUILDING TRAINING SESSIONS TERCEIRA, PORTUGAL

Energy transition on islands is not only a matter of technology, but also about involving local citizens and stakeholders in the decision-making process. They are the ones who can shape the energy transition on their island! In this context, several training sessions took place last week on Terceira, Azores. Three training sessions were provided by [New Energy Coalition](#), [EDA](#), [Regional Government of the Azores](#), [UNINOVA](#) and with guest speaker [CleanWatts](#).

[Read more about the training](#)



## NEXT EVENT SUPERHR23 SAVONA, ITALY

IANOS will be at **SUPERHR 23**, held in Savona, Italy, and organised by the University of Genoa. During this conference we will be presenting the paper "*IANOS: Innovative energy storage solutions for decarbonising geographical islands*" written by [EDP NEW](#), [EDA](#), [Gemeente Ameland](#), [Ethniko Kentro Erevnas Kai Technologikis Anaptyxis & Cleanwatts](#).

*We will share the white paper once it has been approved on our [LinkedIn](#) and [X \(Twitter\)](#).*

Join us at the conference



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