



## **Dear IANOS community member,**

We are happy to send you the newsletter of June 2024 to inform you about the developments of IANOS this year.

### **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**

- Capacity building session on Nisyros island;
- Demonstration kick-off event in Terceira;
- EFACEC's hybrid transformer: innovation in EDA's distribution grid operation;
- Sustainable places event September 2024;
- Publication of different (white)papers.



## CAPACITY BUILDING SESSION ON NISYROS ISLAND

On March 20th and 21st, the IANOS WP8 team held three training sessions.

On the first day local stakeholders and citizens discussed the energy community plans and their benefits. The second day primary and high school students focused on energy supply, climate change, and sustainable behaviors

[More information about the training](#)



## DEMONSTRATION KICK-OFF EVENT IN TERCEIRA

On May 16th and 17th, we immersed ourselves in the vibrant community of Terra Chã, Terceira, where innovative technologies were implemented to drive climate action. Engaging with residents, we simplified complex concepts like solar energy, home energy management systems, and thermal batteries, sparking excitement and understanding.

[More information about the demonstration](#)



## EFACEC'S HYBRID TRANSFORMER: INNOVATION IN EDA'S DISTRIBUTION GRID OPERATION

The Hybrid Transformer, one of the innovative technologies from the IANOS project pilot in Terceira, fully developed by EFACEC, began operating in EDA's distribution grid on April 19<sup>th</sup>.

[More information about the hybrid transformer](#)



## SUSTAINABLE PLACES EVENT SEPTEMBER 2024

The 12th annual edition of Sustainable Places (SP2024) is set to be a vibrant hybrid event, scheduled to take place in Luxembourg from September 23rd to 25th. As part of this dynamic gathering, the IANOS project will host a dedicated workshop focused on the crucial theme of islands' decarbonisation and clean energy transition.

[More information about the event](#)

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## There have also been some publications and white papers this year:

- Paper: "[Energy Analysis and Environmental Impact Assessment for Self-Sufficient Non-Interconnected Islands: The Case of Nisyros Island](#)";
- White Paper: "[The Replication of Islands Decarbonisation Initiatives](#)";
- Paper: "[Integrated Methodology for Community-Oriented Energy Investments: Architecture, Implementation, and Assessment for the Case of Nisyros Island](#)".



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