ENEPORTS NEWSLETTER

ENEPORTS.EU

Last edition



The project is coming to an end!

After three years of collaboration and work carried out across the Atlantic Area, the ENEPORTS project is now drawing to a close.

5 November will officially mark the end of this wonderful adventure.

Numerous meetings, both online and in person, enriching exchanges and site visits to Galicia, Normandy and the Canary Islands, amongst others... All these moments have shaped these three years and helped bring the project to life.

Over time, each partner has played their part, successfully carrying out the tasks entrusted to them. Gradually, the work has come to fruition, the results have taken shape and the project's initial ambitions have been realised.

A wonderful shared adventure is coming to an end! ✨

ENEPORTS final event

The ENEPORTS project's closing event took place on 15 October as part of the first Atlantic Forum on Energy Innovation in Ports, held at the headquarters of the project lead, ITG, in A Coruña, Galicia.

In the days leading up to the event, the final in-person meeting of the ENEPORTS project consortium also took place. At the meeting, all partners came together to discuss the latest progress and adjustments to the project, as well as lessons learnt, adjustments to the final tasks and interest in participating in new consortia that promote the decarbonisation of the Blue Economy.



Interreg Atlantic Area

Co-funded by the European Union

The ENEPORTS project has been co-financed as part of the European Interreg Atlantic Area cross-border cooperation programme via the European Regional Development Fund (ERDF).

Insights from this period

Premio Noite da Enerxía

At the Noite da Enerxía event, held as part of Energy Days 2026 on 1 October, the ENEPORTS project received an award from the Galician Renewable Energy Cluster (Cluergal).

This award recognises the initiative led by the ENEPORTS project, whose main objective is to support ports in their energy transition in order to make them more efficient, more flexible and better prepared to manage this transition independently.

This honorary award was accepted by the ITG on behalf of the entire ENEPORTS consortium.





Can quantum cryptography help secure our ports of the future and other marine infrastructure?

Gonzalo Blázquez Gil, Nitesh Bharot, John G Breslin, Mafalda Santos, Umair Ul Hassan

Institute for Data and Artificial Intelligence Research, Electrical & Electronic Engineering, Business Information Systems

Instituto Tecnológico de Galicia

Research output: Working paper

Overview Fingerprint

Abstract

Quantum computers are millions of times faster than supercomputers, utilising immense computational power to process highly complex algorithms in real-time. They can quickly simulate and iterate on problems that were previously unsolvable. This article presents the role of quantum computing and quantum cryptography in marine infrastructures and ports. With techniques such as quantum reinforcement learning, quantum DNA partial permutation, and quantum key distribution, marine infrastructures can now be better positioned to maintain compliance, security and overall management. In ADT4Blue project that aims to further advance digital technology adoption in the blue economy, one of our latest open call challenges around advanced digital solutions for harbour management, in particular, improving the safety and efficiency of busy harbour environments. With more secure infrastructure based on advanced cryptography and the strengthening of cybersecurity, we also align to the aims of the ENEPORTS project around helping guarantee port authorities' security regarding their communication and measurement systems.

Collaboration with ADT4Blue

This scientific article forms part of a collaboration between the ENEPORTS project and the ADT4Blue project, which is also co-funded by the Interreg Atlantic Area programme. The two projects share complementary objectives, thereby fostering synergies between their activities. In particular, ADT4Blue aims to accelerate the digital transition and sustainable development within the blue economy sector.

Co-authored by staff from both ADT4Blue and Eneports, this article provides a specific example of how complementary goals can provide a fruitful collaboration between sister projects. In particular, it explores the potential of quantum computing and cryptography to enhance the cybersecurity of ports and maritime infrastructure.

Workshops by APSCT

Throughout October, APSCT organised a series of workshops aimed at various target audiences (young people, local authorities, etc.) at the Granadilla Centre for Blue Innovation (CIAG).

The aim of these events was to present and showcase the results achieved by APSCT (site visits, presentations, demonstrations, etc.) as part of the project.

This initiative represents an important milestone for the port authority as the project draws to a close, as it highlights the work carried out and the tangible results achieved throughout this collaboration.



Interreg Atlantic Area
Co-funded by the European Union

The ENEPORTS project has been co-financed as part of the European Interreg Atlantic Area cross-border cooperation programme via the European Regional Development Fund (ERDF).

Round Table 1

- *Energy for the ports of the future: markets, costs and opportunities*



- **Moderator:** Oriol Sarmiento, Manager at Cluergal
- **Speakers:**
  - Elizabeth Giraut, Head of Projects and R&D&I Engineering at ITG
  - Elena Llarena, Coordinator of the Photovoltaics Department at ITER
  - Ignacio Gomis, Head of Energy Management and Operational Improvement at Ferrovial Energía



Round Table 2

- *Shared experiences and challenges in the energy transition*

- **Moderator:** Pablo Álvarez, Business Manager of the Energy Division at ITG
- **Speakers:**
  - Alejandro Rey, Head of Energy Transition and Climate Change at the Ferrol – San Cibrao Port Authority
  - Santiago Yanes, Head of Innovation and Strategic Projects at the Santa Cruz de Tenerife Port Authority
  - Alberto Jaraiz, Head of Ecological Transition and Sustainability at the Vigo Port Authority
  - Filipe Martins, Head of Innovation and Modernisation at the Douro, Leixões and Viana do Castelo Ports Authority

Round Table 3

- *Navigating the regulatory framework: what changes for ports?*



- **Moderator:** Antonio Iglesias, founding partner and Of Counsel at Vento Abogados & Asesores
- **Speakers:**
  - Carlos Mínguez, Partner at Andersen specialising in public and regulatory law
  - Cristóbal Dobarro, Managing partner at Dobarro & Asociados Abogados



Round Table 4

- *Innovation that is transforming the port environment. New energy solutions*

- **Moderator:** Josema Cabello, Founder of BeCubo (Canary Islands)
- **Speakers:**
  - Samuel Ormaechea, R&D&I Engineer at ITG
  - Nacho Benítez, Senior Project Manager at the ValenciaPort Foundation
  - Adriana García, Innovation Project Manager at PLOCAN

Interreg Atlantic Area
Co-funded by the European Union

The ENEPORTS project has been co-financed as part of the European Interreg Atlantic Area cross-border cooperation programme via the European Regional Development Fund (ERDF).

Thank-you note

After three years rich in exchanges, collaborations and achievements, the entire consortium would like to extend its warmest thanks to everyone who has followed, supported and accompanied the ENEPORTS project throughout this journey.

Your interest and commitment have helped to bring the project to life and raise the profile of its activities and results.

A big thank you to everyone!

Follow us

- https://www.linkedin.com/in/eneports-interreg-atlantic-area-/

- eneports.eu
- Or scan the QR code to access the web page:

We're always here for you!

- **Generic mail:** eneportsproject@gmail.com

- **Elizabeth Giraut Ruso:** egiraut@itg.es
- **Jade Santier:** jade.santier@builders-ingenieurs.fr
- **Santiago Yanes:** santiagoyanes@puertosdetenerife.org
- **John Breslin:** john.breslin@universityofgalway.ie
- **Jorge Ballesteros:** jballesteros@iter.es
- **Alejandro Rey:** arey@apfsc.es
- **Filipe Martins**: filipe.martins@apdl.pt
- **John Tyndall:** jtyndall@theportofgalway.com

Interreg Atlantic Area
Co-funded by the European Union

The ENEPORTS project has been co-financed as part of the European Interreg Atlantic Area cross-border cooperation programme via the European Regional Development Fund (ERDF).