



News & updates

Vol.1 - December 2022



First insights from DT4GS

This is the 1st newsletter on behalf of the DT4GS consortium. The project is in the 6th month of a crucial stage. Many of the demonstrations have kicked off during the past weeks, and numerous and various events have already showcased project's pilot sites to the public with positive feedback.

DT4GS was officially kicked off on 23rd and 24th of June 2022 at DANAOS offices in Piraeus, Greece. During the two-day meeting, the aims, plans, and objectives of all project Work Packages and Activities were presented by the respective leaders, in a series of interactive sessions with lively discussion and active participation of all attendants. The mission of DT4GS is the transformation of maritime industry by helping improve efficiency and cut carbon emissions which will also help the shipping industry gain increased confidence in technical and economic predictions regarding green fuels and technology. Research will focus on applying digital twin technology to the entire lifecycle of ships, as the DT4GS project aims to cut CO2 emissions 20 per cent by 2026, then contribute towards achieving 55% CO2 emissions' reduction from waterborne transport by 2030, in line with the ultimate target of zero emissions by 2050. The Consortium of 21 prominent Green Shipping stakeholders consists of maritime transport industry specialists and associations, shipping companies, shipping digital twin providers, Universities and Research Centres from Italy, Belgium, France, Ireland, Cyprus, Spain, the Netherlands, Poland and Greece.



DT4GS Kick off meeting, Danaos Offices, Piraeus 2022

During the first six months of activities, the Consortium has made important progresses and laid out the foundations for the months to come in several Work Packages (WPs). During these first months, most of the work has been carried out.

The **1st Workshop of DT4GS** project took place in Piraeus, Greece on **the 6th October 2022**, with the participation of more than 40 people (physically and online).

The project Coordinator, Georgia Tsiochantari (**INLECOM**) and Mr. Takis Katsoulakos (**INLECOM**), opened the day by welcoming the participants and gave an overview of the project including the concept and aims and highlighting its preliminary results and expected outcomes. Lively and fruitful discussion followed on the application of the **Digital Twin technology** in the project demonstrators.

Closing the day, **DANAOS** mentioned that the **main challenges ahead** are the definition of the modules that will facilitate the connection of the existing company's infrastructure with the **DT4GS framework & use cases**. Furthermore, it was made a summary of the Workshop and its findings, thanking all for their participation and active involvement while inviting them to stay tuned, follow and contribute to the project's progress.

The **DT4GS** project was presented to the delegates of the **Waterborne TP** (<https://www.waterborne.eu>) **Industry Research Advisory Groups (IRAGs)** that met in Brussels on **26th & 27th of October 2022**. The IRAGs are the main discussion groups of the Waterborne TP on matters related to technical RD&I, they define the research priorities of the association prepare the technological roadmap and give advice to the Waterborne TP Alignment group. The project was presented by **WEGEMT** with the support of **Foundation Valencia Port** (both organizations are members of the **DT4GS** consortium).

The presentation highlighted the key aims and objectives, the

methodology as well as the approach adopted by the DT4GS project. It attracted the attention of the participating delegates and triggered a fruitful discussion, where Dr. Ioannis Ergas (Research Director at WEGEMT) and Mr. Jorge Lara Lopez (Chairman of the Waterborne TP Ports & Logistics Group) answered a number of questions raised by the delegates, disseminated appropriate results of the project and also invited the participating organizations to join **the DT4GS Alliance and create synergies between DT4GS** and the EU funded projects that they participate to maximize impact. **The DT4GS project is under the call HORIZON-CL5-2021-D5-01-13** that originated from the Co-Programmed Partnership on Zero-Emission Waterborne Transport of the Waterborne TP.

FIND OUT MORE ON OUR WEBSITE

COMMUNICATION HIGHLIGHTS

- DT4GS website is now [online](#).
- Social media accounts set up
- The project's flyer and leaflet, are also completed and available on the [website](#).
- Project's press release is available [here](#).

DT4GS News



LL3. Baleària ROPAX-centric DT

This task 4.4 “Living Lab 3 Baleària RO-PAX – Centric Digital Twin” aims to provide a Digital Twin of a RO-PAX vessel, in which Baleària

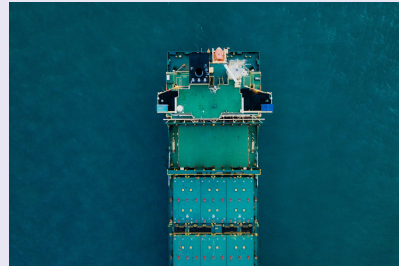
will define, design and deploy the main Operational Optimization applications for this kind of vessels, which can enhance to reduce consumption and emissions, by exploring the following use cases: Voyage optimization (including: route planning, weather routing, speed optimization, JIT arrivals, bunkering optimization, etc), Trim optimization or Hull degradation, among others.

[Read more](#)



Introduction of partner, why do they participate and why is DT4GS important for BAL

[Read more](#)



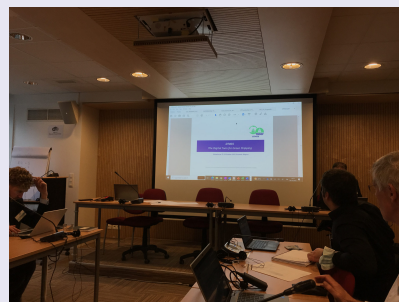
LLs Detailed Planning and KPIs - Support and Learning activities

[Read more](#)



DT4GS at the Open Simulation Platform Conference (OSP) 2022

[Read more](#)



DT4GS in the Waterborne TP IRAGs meeting, 26 & 27 October 2022

[Read more](#)

READ ALL NEWS

DT4GS flyer published

[DOWNLOAD HERE](#)



DT4GS will provide an **industry-wide decarbonization decision-support system** for shipyards, equipment manufacturers, port authorities and operators, river commissions, classification societies, energy companies and transport /corridor infrastructure companies.

[Go to our website](#) ➔

For more information about the DT4GS project, please feel free to contact us at info@dt4gs.eu

DT4GS is on social media!
Follow us and stay up-to-date!





This project has received funding from the European Union's Horizon Europe research and innovation program under grant agreement no. 101056799

[view this email in your browser](#)

Copyright © 2022 DT4GS, All rights reserved.

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#).