NOVEMBER 2024 – EDINAF NEWSLETTER #4

Dear reader,

We are very much delighted to introduce the latest edition of the EDINAF Consortium Newsletter. With this short pager, you will be able to grasp the most important updates from the consortium, and more importantly toward the digital reference architecture.

This semester, the EDINAF project has achieved key milestones, highlighted by M18 deliverables and our successful selection of the cloud provider for the demonstration phase. Productive and strong collaboration among partners, for example during the face-to-face Executive Board in Genoa this September, has driven significant progress.

We look forward to building on this momentum in the coming months. Thank you to all partners for your dedication!

The EDINAF Consortium

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May 2024 – Halfway through the project, EDINAF consortium is gathered for its 3rd General Assembly

> "*At the halfway point of our project, the third General Assembly marks a major milestone for EDINAF*," said Juan Ignacio Silvera, EDINAF's Project Coordinator.
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> "*Our focus is to continue achieving convergence of approaches, with the objective for all being to prepare the demonstration in Norway in May 2025. I am proud of the work accomplished by the consortium over the past year and a half, and of the teamwork we are doing. We can concretely see how fruitful our collaboration is for the development of the architecture. The project is on track to meet the requirements set forth by the Ministries of Defence and the European Commission.*"

Hosted by Damen from 26 to 28 May 2024 in Middelburg, the Netherlands, the EDINAF Consortium conveyed its third General Assembly meeting, marking the project's halfway point - leaving less than a year and a half to research and develop the foundational architecture, associated services, and agreements to benefit the navies and future initiatives.

The consortium was honored to welcome Dirk Peters, Deputy Project Officer of European Commission DGDEFIS, alongside representatives from the Spanish, Dutch, Swedish, Italian, and Norwegian Ministries of Defence. The Deputy Project Officer highlighted how there is a strong support from the MoD, which is a strong sign of relevance, as well as how there is a constructive spirit and teamwork, even when the challenges are seriously discussed.

Participants in the EDINAF consortium experienced a virtual tour of a vessel's engine room and Chilled Water control cabinets, demonstrating crew training and virtualization concepts developed by Rheinmetall (WP15) and RH Marine (WP10). The consortium also visited DAMEN Shipyard in Vlissingen, touring a Netherlands Navy OPV in drydock and exploring Yerseke's fishing village. In closing remarks, the Spanish Ministry of Defence commended the consortium's progress on digital architecture and emphasized the vital role of collaboration in reaching project goals at this halfway point.

September – Active Participation of EDINAF in major dissemination events

EDINAF has been very active with dissemination activities during the last months. A paper was presented in the 2nd week of September of **ICCAS 2024** in Genoa, the **International Conference on Computer Applications in Shipbuilding**, which has given the EDINAF team the opportunity to present the success and achievement in the implementation of digital technologies in shipbuilding and marine environment.

They addressed the practical application of digital technologies and analyzed their application and success in use.

Also, EDINAF participated in an **EDA Cybersecurity workshop** mid-September presenting the development of a **Common Cloud Cybersecurity Framework for Defence**, which aims to delineate and enhance the security measures associated with cloud services utilized within the defence sector.

July – Visit of UDC at Navantia Sistemas

The Universidade A Coruña collaborators, part of WP15, carried out a relevant visit to the Navantia Training Center (NTC) facilities, located in San Fernando, Cádiz, Spain. The meeting was held on 23 July, with the main objective of continuing work on the definition of Crew Training systems for the digital ship. This visit was a great chance for the two parties to discuss and exchange ideas targeting the design and development of better innovative training solutions for the maritime industry.

On that visit, the Universidade A Coruña collaborators were able to acquire first-hand experience and knowledge of the training systems within the Navantis family.

This enabled an all-round appreciation of the infrastructure and capabilities that exist in Navantia, hence allowing for possible areas of synergy and collaboration in working for state-of-the-art training solutions.

The interactive sessions and demonstrations became a good forum for discussion and exchange of knowledge to result in an environment conducive to future collaborative work. This visit emphasized the commitment of both Universidade A Coruña and Navantia to push for new crew training systems for the digital ship.

The shared exchange of ideas and perspectives in the visit further solidified this partnership and paved the way for continued work in collaboration. The result of the visit was a productive engagement that showcased shared commitment to push boundaries in technological advancement and foster excellence in the maritime training domain. The proposals will be further discussed and developed during the WP15 Workshop to be held in A Coruña, Spain, on September 18th.

WP10 – Selection of the Cloud Provider

In the framework of EDINAF, WP10 is focusing on putting in place the **demonstrator**, which will illustrate the concepts defined by the reference architecture and the digital platform (WP3 and WP4). This cloud digital infrastructure, standardized, has been developed to be highly secured, resilient, and capable of sustaining different operational tasks. In the EDINAF context, the demonstrator will demonstrate, through the use cases (WP11 to WP15), its compatibility with naval and operational systems.

Recently, a major milestone has been reached by WP10: the final selection of the cloud integrator, Sylvalue. Concretely, Sylvalue will furnish, configure, and operate the infrastructure of the demonstrator and its cloud service. Following the

selection, multiple workshop sessions have been taking place, gathering WP10 members and Sylvalue, to organize the construction of the first version of the demonstrator and its delivery, planned in November 2024. Although it is challenging to produce a demonstrator within this short time frame, both teams are working heavily to be on time.

After production of the first version of the demonstrator, the following step will be to enable access to the use cases workpackages, and then to enrich the cloud services offered, making them more focused on operational application needs.

WP10 Team in the cloud provider's datacenter room

October – Physical Executive Board Meeting

From 9 to 10 October, EDINAF hold its **21st Executive Board meeting**. The event, hosted by Cetena in Genoa, Italy, enabled the partners to have discussions of strategic importance for the consortium, and to take decisions and actions for the remaining time to prepare for the 4th General Assembly meeting end of November. In addition, the partners took the opportunity of this Executive Board to discuss the demonstrations taking place at the end of the project in Norway and Spain, as well as the approach to adopt in regard to the use cases – making them service-oriented and the integration of specific requirements expressed by the Ministries of Defence into the organisational breakdown.

This Executive Board was followed by the 3rd Risk Panel, which enabled each workpackage leader to assess the evolution of risks and mitigations proposed.

For further information please contact: naval@seaeurope.eu

EDINAF

EURONAVAL 2024

EURONAVAL
Paris Nord Villepinte | 4.7 nov 2024
The world naval defence exhibition

EDINAF will be part of the exhibitors of Euronaval 2024, taking place at **Paris Villepinte**, France, from **4 to 7 November**.

EDINAF will be part of the **European naval EDF-Funded projects booth**, with EDF2021 dTHOR and EDF2022 SWAT-SHOAL, organized by SEA Europe.

EDINAF Project Coordinator will intervene in multiple instances. He will be a panelist in a **workshop on "Smartships Techs: naval platforms of the future" with the coordinator of its sister-project, dTHOR, moderated by the European Commission DGDEFIS Project Officer Francisco Casalduero** (5/11, 10-10:30, BREST room).

In addition, EDINAF will have a **dedicated pitch session** to present the project and expected outcomes (6/11, 14:45-15:00, CHERBOURG room).

More information can be found here.

Future events not to miss out:

✓ **13-14 November**: 1st EDA Autonomous Systems Community of Interest (ASCI) event – Royal Higher Institute for Defence, Brussels (upon registration to the ASCI here).

✓ **26-28 November**: General Assembly #4 hosted by Naval Group in La Seyne-sur-Mer, France.

Further Readings and Podcasts:

✓ **The Impact of the European Defence Fund on Cooperation with Third-country Entities (IISS):** The Impact of the European Defence Fund on Cooperation with Third-country Entities