

Final Workshop Instituto Superior Técnico, Lisboa, Portugal 1st June 2023

iFADO platform and data viewer

Francisco Campuzano (+ATLANTIC CoLAB) francisco.campuzano@colabatlantic.com





This project has received funding from the European Union's Interreg Atlantic Area programme under the grant EAPA_165/2016



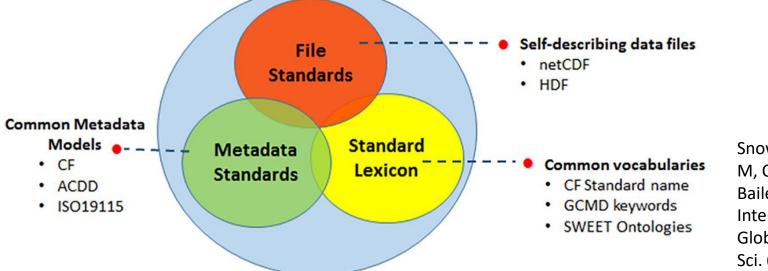
Main Objective

to show and disseminate the desired oceanographic information to the target end-users in an easy way

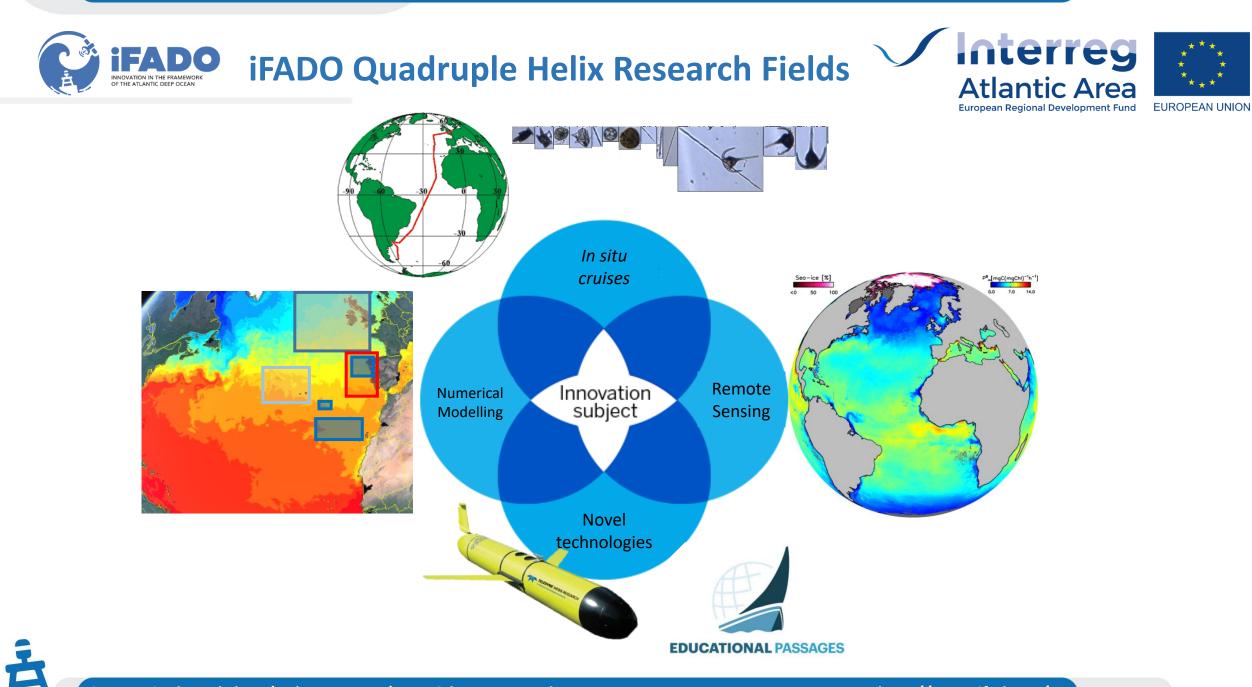




- The effective implementation of a transnational and interdisciplinar data services depends on the capability of multiple systems to work with the same sets of data and metadata in an interoperable fashion.
- Metadata records associated with one resource should be accessible, accurately interpreted and subsequently used by systems other than from the originating organisation.
- The iFADO project is dealing with data sources from different scientific disciplines including numerical modelling, remote sensing, traditional monitoring campaigns and data obtained by novel technologies (i.e., gliders, miniboats, etc.). In order to represent the different type of data on a single platform a set of minimum requirements should be set. The way to achieve this task is through defining standards and try to make them converge.



Snowden D, Tsontos VM, Handegard NO, Zarate M, O' Brien K, Casey KS, Smith N, Sagen H, Bailey K, Lewis MN and Arms SC (2019) Data Interoperability Between Elements of the Global Ocean Observing System. Front. Mar. Sci. 6:442. doi: 10.3389/fmars.2019.00442









The incorporation of data in the iFADO platform considered the following principles:

- Each data generator should choose the service where the data is hosted given preference to international recognised data aggregators;
- If the data generator prefers to host the data, international standards and methodologies should be followed in order to meet the FAIR principles
- The iFADO platform should not host data from any data provider, unless necessary, but it should dynamically link with the service provider.
- Only if common file format is not consolidated or the data provider is not ready to produce international standards data then conversion and integration tools will be developed.

















Atlantic Area C) IFADO Background Satellite Grey Canvas Tiles Toulouse Baiona **Project Logo** OPACITY Santander Bilbau Sarcas Oviedo lorra List of °C MOHID PCOMS products 28 Barcel Velocity Streamlines 6 orto alamanca 1 Water Velocity 22.7 Colour Bar Madrid Water Temperature 1 oimbra 0 Water Salinity 17.3 ortugal Valência Espanha MOHID Lusitania ibiza bonne Velocity Streamlines 6 12 6 Water Velocity Córdoba . Ponta Delgada Water Temperature Water Salinity 6 Vila do Porto MOHID Madeira Marbella - Fuengirola libr tar Velocity Streamlines 6 6 Water Velocity letoua بطوان Water Temperature 6 Streamline 6 Water Salinity Velocity Streamlines Fes Time Bar 17.1 رباط values MOHID Azores Calendar Date Casablanca Scale VIIIo Balf2h 03h 06h 09h 15h 18h 21h | 200 km << < >>> 24/5/2023 zoom iFADO Final Workshop | 1st June 2023 | IST, Lisbon, Portugal http://www.ifado.eu/ Page No. 7

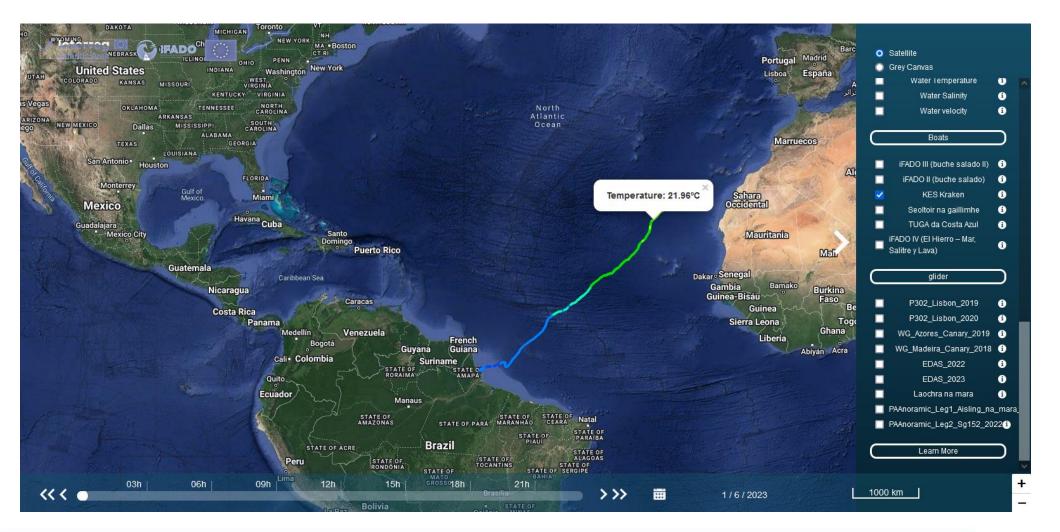


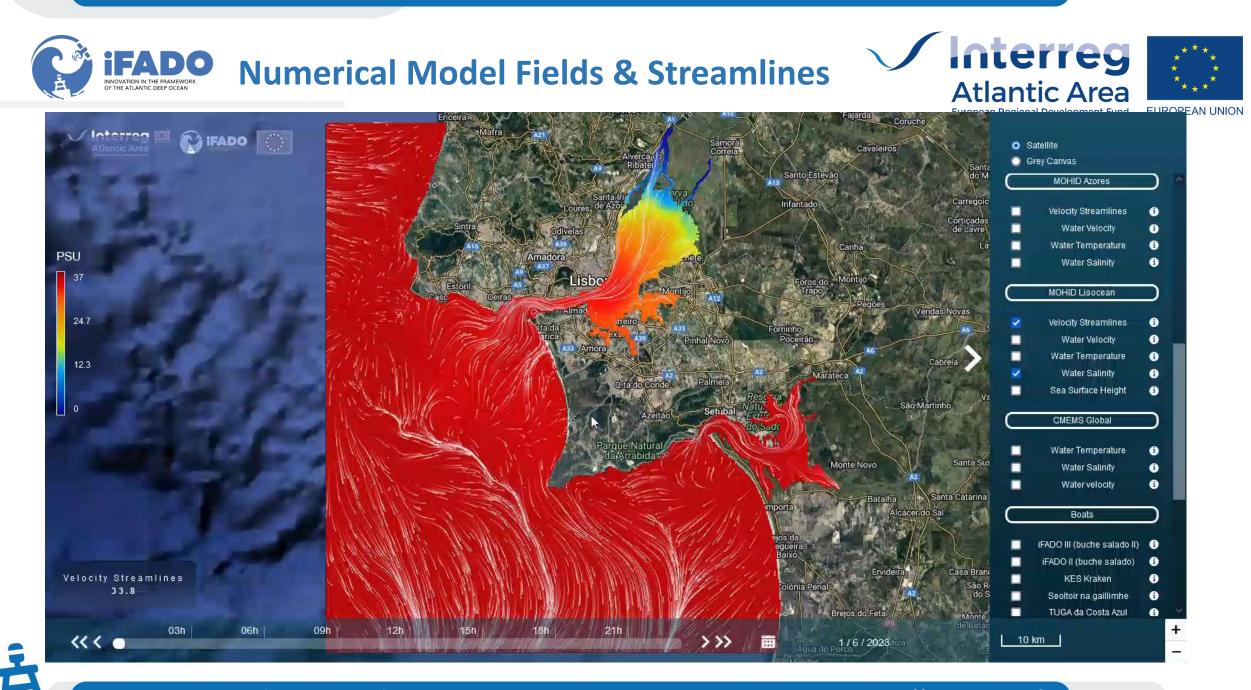
Trajectory products





Miniboat KES Kraken











Aldeia Velha Sobreiras Serrão Couco Barrões Cabecão leiros Pavie Santana do Mato Outeiro Carregoiceira Infantado Corticadas de Lavre Lavre Sabugueiro Foros de Vale Figueira Vendas Novas Nossa Graca Silveiras Montemor-o Novo Safira Cabrela Nossa Sra. de Guadalupe Vale de Ansa Santiago c Escoural São Martinh Pomarinh São Cristóvão Santa Susana Monte Novo Santa Catarina Alcácova 18h 03h 09h 12h 06h 10 km 22 i 27/6/2022

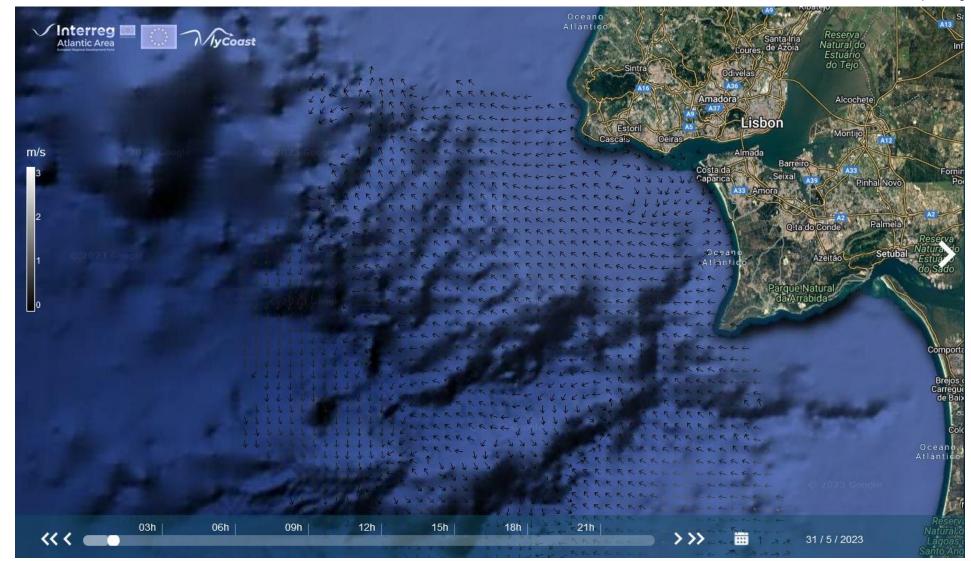
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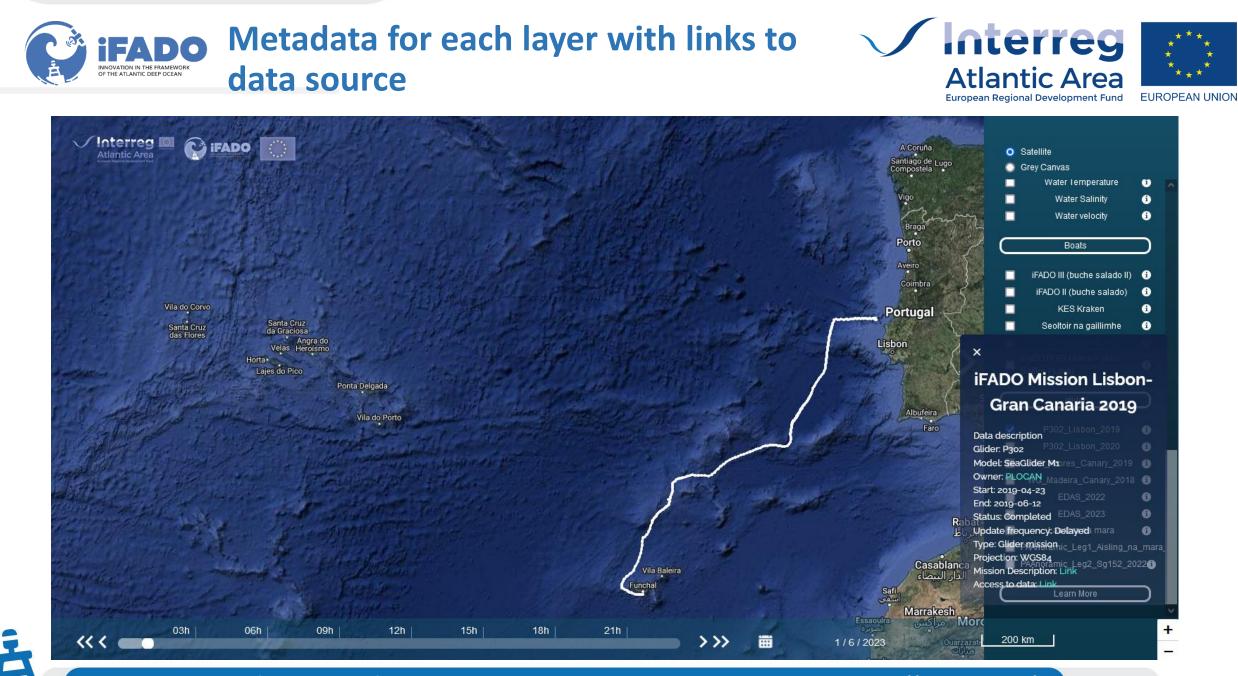
IFADO Display polygons/markers with information





ciona nches Salamanca Peñaranda de Bracamonte Station: Almourol Natural 42 (m3/s) 40 Rodrigo Guijuel 38 MO Ī. 36 Javia 34 de la Vera 25/05/23 10512 Moraleja Talavera Coria de la Reina Navalmoral de la Mata Alcor time *'illanueva* del Fresno Cáceres Trujillo Guadalupe Sierra de San Pedro Parque Natural da Serra de Amareleja Herrera Mamede ·Alburquerque/ del Duque Miajadas Villanueva-de la Serena Montijo Mérida Badajoz Estremoz Elvas Rosal de la Frontera Olivenza Villafranca de los Barros del Duque Requendos 09h 12h 15h 18h 21h >>> 50 km Cabal \$ / 2023

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http://www.ifado.eu/



Atlantic Area



European Regional Development Fund EUROPEAN UNION

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32		}, {

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🔚 products.cfg 🔀



Some defined limitations



- Simultaneous layers limited to three.
- Access is provided for the last 30 days on operational products.
- Test it at: <u>http://ifado2.maretec.org/</u> or access through the ifado webpage:





Thank you for your attention!





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