PERSONAL INFORMATION

Ivan Manso Narvarte

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Sex male | Date of birth 13/09/1990 | Nationality Spanish

CURRENT POSITION

I started my PhD at AZTI in 2017 and since July 2021 I have worked at AZTI Marine Research (Pasaia, Spain) as a researcher. My PhD research was focused on the data blending from different observing platforms (e.g. high-frequency radars, ADCPs, gliders, CTDs, buoys, satellites) to characterize 3D current velocity fields for marine applications. Currently, I am involved in national and international projects related to the processing, validation, assessment and standardization of physical data. I also conduct integrated studies that combine physical information from different observing platforms with environmental or biological data such as different fish species or pollutants by applying Lagrangian techniques. Besides that, I have also participated in planning and executing glider campaigns, where I have been in charge of managing the scientific data along with piloting the glider. I have authored/co-authored 8 peer-reviewed papers and authored/co-authored >12 presentations at international conferences. I have recently published an article about the transport and distribution of early-life-stage anchovies in the SE Bay of Biscay (Manso-Narvarte et al., 2023).

WORK EXPERIENCE

Jul. 2021 – today
RESEARCHER
Marine Research Division of AZTI-BRTA (Pasaia, Spain).

Feb. 2017 – Feb. 2021
PREDOCTORAL FELLOWSHIPS
AZTI-BRTA (Pasaia, Spain), under the supervision of Dr. Ainhoa Caballero and Dr. Anna Rubio. PhD grant from the Department of Environment, Regional Planning, Agriculture and Fisheries of the Basque Government.

- PhD research stay (Sep – Oct. 2020), Rivages Pro Tech (SUEZ) in Bidart (France). Lagrangian tools. Supervisors: Dr. Matthias Delpey and Dr. Amandine Declerck.
- PhD research stay (May 2019), Instituto Español de Oceanografía (IEO) in Palma de Mallorca (Spain). Reduced Order Optimal Interpolation method. Supervisor: Dr. Gabriel Jordà.
- PhD research stay (May – July. 2018), ISMAR-CNR (Instituto di Scienze Marine - Consiglio Nazionale delle Ricerche) laboratory in La Spezia (Italy). Data blending. Supervisor: Dr. Annalisa Griffa.

EDUCATION AND TRAINING

Feb. 2017 - Oct. 2021
PhD in Marine Environment and Resources
PhD thesis entitled: “Towards a 3D hydrodynamic characterization from the joint analysis and blending of multiplatform observations for potential marine applications in the southeastern Bay of Biscay”.
University of the Basque Country (Leioa, Spain). Supervisor: Dr. Ainhoa Caballero and Dr. Anna Rubio.

Oct. 2016 – Jun. 2017
Master in Teacher Training: Natural Sciences and Mathematics
University of the Basque Country (San Sebastian, Spain)

Oct. 2014 - Oct. 2015
Master in Space Science and Technology
University of the Basque Country (Bilbao, Spain)

Sep. 2008 – Jun. 2014
Physics degree
University of the Basque Country (Leioa, Spain)

PERSONAL SKILLS

Mother tongue(s): BASQUE, SPANISH

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	C1	C1	C1	C1	C1
FRENCH	A2	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Digital competence: Programming skills: Advanced MATLAB, Basic Python and R, LINUX environment

ADDITIONAL INFORMATION

Publications

1. **Manso-Narvarte, I.**, Caballero, A., Hernández-Carrasco, I., Orfila, A., Santos Mocoroa, M., Cotano, U., Jordà, G., Declerck, A., Delpey, M., & Rubio, A. (2023). Effect of circulation at early life stages of European anchovy in the Bay of Biscay from observational data and a Lagrangian approach. Journal of Marine Systems, 242, 103938. https://doi.org/10.1016/j.jmarsys.2023.103938
2. Solabarrieta L. et al., "Revamping data system and portal in the Basque Operational Oceanography," 2022 IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters (MetroSea), 2022, pp. 193-197, doi: 10.1109/MetroSea55331.2022.9950947
3. Davila, X., Rubio, A., Artigas, L. F., Puillat, I., **Manso-Narvarte, I.**, Lazure, P., & Caballero, A. (2021). Coastal submesoscale processes and their effect on phytoplankton distribution in the southeastern Bay of Biscay. Ocean Science, 17(3), 849-870. https://doi.org/10.5194/os-17-849-2021
4. **Manso-Narvarte, I.**, Rubio, A., Jordà, G., Carpenter, J., Merckelbach, L., & Caballero, A. (2021). Three-Dimensional Characterization of a Coastal Mode-Water Eddy from Multiplatform Observations and a Data Reconstruction Method. Remote Sensing, 13(4), 674. https://doi.org/10.3390/rs13040674
5. Caballero, A., Mulet, S., Ayoub, N., **Manso-Narvarte, I.**, Davila, X., Boone, C., Toublanc, F., & Rubio, A. (2020). Integration of HF Radar Observations for an Enhanced Coastal Mean Dynamic Topography. Frontiers in Marine Science, 1005. https://doi.org/10.3389/fmars.2020.588713
6. **Manso-Narvarte, I.**, Fredj, E., Jordà, G., Berta, M., Griffa, A., Caballero, A., & Rubio, A. (2020). 3D reconstruction of ocean velocity from high-frequency radar and acoustic Doppler current profiler: a model-based assessment study. Ocean Science, 16(3), 575-591. https://doi.org/10.5194/os-16-575-2020
7. von Schuckmann, K. et al. (2019). Copernicus Marine Service Ocean State Report, Issue 3, Journal of Operational Oceanography, 12:sup1, S1-S123. https://doi.org/10.1080/1755876X.2019.1633075
8. **Manso-Narvarte, I.**, Caballero, A., Rubio, A., Dufau, C., & Birol, F. (2018). Joint analysis of coastal altimetry and high-frequency (HF) radar data: observability of seasonal and mesoscale ocean dynamics in the Bay of Biscay. Ocean Science, 14(5), 1265-1281.

Teaching Tutoring

Teacher in the MSc in Marine Environment and Resources (MER). Lesson: Multiplatform approaches. (2022-2023)

Tutor of a MER MSc thesis (2024, ongoing)