Salvador Fernández

I am a 27 years old biologist from Spain with experience in informatics for ecology.

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Skills

Languages	Coding	Databases	GIS	Agile
English - B2	R	SQL Server	QGIS	Jira
Spanish - Native	SQL	PostgreSQL	ArcGIS Pro	Confluence
Portuguese	Python	SQLite	PostGIS	
German - A2	Bash	Access DB	Geoserver	
Dutch - A2	Git		ERDDAP	

Work Experience

Science Officer

Flanders Marine Institute. Oostende, Belgium. From 2019-07

Various activities within the Geospatial data and products team of the Flanders Marine Institute Data Centre:

- Create and publish updates and novel Maritime Boundaries GIS data products for MarineRegions.org.
- Biological occurrences data management for the Eurobis database: Quality control on data submitted by the project partners. Formatting archaeological datasets into Darwin Event Core to meet FAIR principles.
- Data products management for EMODnet-Biology: assist with the methodology and publication.
- Update of EMODnet-Biology reporting tool, written in R Shiny.
- Project management and publication of Bio-Oracle v2.1 and v3 for LifeWatch Belgium. Update and maintain an R package that serves Bio-Oracle and other datasets for Species Distribution Modelling: sdmpredictors
- Develop an R package and R Shiny app to serve all types of data from LifeWatch Belgium.

Data Analyst

Genera Games. Sevilla, Spain. 2018-11 to 2019-02

Data mining of indie mobile videogames following a Free-to-play business model. Areas like user retention, engagement or revenue were analyzed using big data of user behavior through PostgreSQL querying in the platform DeltaDNA. Monthly reports were produced and passed on to the managers for strategic decision making. Recommendation letter available.

Science teacher

Integra Educatio. Sevilla, Spain. 2018-02 to 2018-06

Support teaching of math, stats, physics, chemistry or biology for students aged between 12 and 18 years old. Individual follow-up and weekly reports delivery.

Education

Erasmus Master Marine Biodiversity and Conservation

University of Ghent. Belgium - University of Algarve. Portugal - Galway Mayo Institute of Technology, Ireland. 2016 to 2018

Average grade: 754 out of 1000 - with mention Magna cum Laude

Two months professional practice carried out at the Department of Paleontology of the University of Vienna, Austria within the framework of the project: *Historical ecology of Lessepsian migration*

MSc dissertation: Climate-driven range shifts in marine forests predicted in the Alboran Sea and adjacent Atlantic Ocean (At the Center of Marine Sciences CCMAR, University of Algarve). Recommendation letter available.

Degree in Biology

University of Sevilla. Spain. 2011 to 2016

Average grade: 7.44 out of 10

BSc dissertation: Influence of biotic and abiotic factors on the abundance of ichthyoplankton in the Guadalquivir estuary (At the Department of Zoology of the University of Sevilla)

Publications

Fernández Bejarano, S.; Lonneville, B.; Vanhoorne, B.; Schepers, L. (2021). Where did we take those samples from? Georeferencing your research with marineregions.org, ***in***: Mees, J. *et al. Book of abstracts – VLIZ Marine Science Day, Online event 3 March 2021. VLIZ Special Publication,* 85: pp. 58

Datasets

Beauchard, O., Herman, P.M.J., **Fernández-Bejarano, S.** (2021). Data product numerical abundance of benthic macroinvertebrates in North Sea and Baltic Sea. Integrated data products created under the European Marine Observation Data Network (EMODnet) Biology project (EASME/EMFF/2017/1.3.1.2/02/SI2.789013), funded by the by the European Union under Regulation (EU) No 508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund.

Flanders Marine Institute (2020). Maritime Boundaries Geodatabase: High Seas, version 1. Available online at https://www.marineregions.org/. https://doi.org/10.14284/418

Flanders Marine Institute (2020). Union of the ESRI Country shapefile and the Exclusive Economic Zones (version 3). Available online at https://www.marineregions.org/. https://doi.org/10.14284/403

Flanders Marine Institute (2020). The intersect of the Exclusive Economic Zones and IHO sea areas, version 4. Available online at https://www.marineregions.org/. https://doi.org/10.14284/402

Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at https://www.marineregions.org/. https://doi.org/10.14284/386

Reviews

Gilardi, A. and Lovelace, R. (2021). osmextract: Download and Read OpenStreetMap Data Extracts. R package version 0.2.1. https://CRAN.R-project.org/package=osmextract

Schneider, L.K.; Anestis, K.; Mansour, J.; Anschütz, A.; Gypens, N.; Hansen, P.; John, U.; Klemm, K.; Martin, J.; Medic, J.; Not, F.; Stolte, W. (2020). A dataset on trophic modes of aquatic protists. *Biodiversity Data Journal 8*: e56648. https://hdl.handle.net/10.3897/bdj.8.e56648

Software

Fernández-Bejarano, S., Schepers, L. (2020). EMODnetBiologyMaps: Creates ggplot maps with the style of EMODnet. R package version 0.0.1.0. Integrated data products created under the European Marine Observation Data Network (EMODnet) Biology project (EASME/EMFF/2017/1.3.1.2/02/SI2.789013), funded by the by the European Union under Regulation (EU) No 508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund, https://github.com/EMODnet/EMODnetBiologyMaps

Currently maintaining

Krystalli, A. (2020). EMODnetWFS: Access EMODnet Web Feature Service data through R. R package version 0.0.2. https://github.com/EMODnet/EMODnetWFS. Integrated data products created under the European Marine Observation Data Network (EMODnet) Biology project (EASME/EMFF/2017/1.3.1.2/02/SI2.789013), funded by the by the European Union under Regulation (EU) No 508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund.

Bosch, S. (2020). sdmpredictors: Species Distribution Modelling Predictor Datasets. R package version 0.2.9. https://CRAN.R-project.org/package=sdmpredictors