She has a Bachelor degree in Mathematics (University of Santiago de Compostela, 1999) as well as a Master in Statistics (University of Vigo, 2003). Since 2001, she has been working as Statistician in the Long Fisheries Program of the Instituto Español de Oceanografía (IEO) in Vigo. She has been member of the NAFO Scientific Council since 2005, attending different meetings. Since 2009, she has been the Designated Expert for the assessment and advice on the status of the Division 3M cod via Bayesian age-structured models (XSA and SCAA) with a code co-written by her in R. In 2021, she was nominated chair of the NAFO Standing Committee on Research Coordination (STACREC) and vice-chair of the NAFO Scientific Council.

As worker of the IEO, she is an adviser of the European Union and the Spanish Administration in matters related with the NAFO fisheries. She has performed several studies within NAFO: development (ongoing) of the revision of the Precautionary Approach Framework within NAFO; member of the NAFO Study Group on Limit Reference Points; development of several Management Strategies Evaluation (MSE) inside the NAFO Working Group on Risk based Management Strategies: Greenland halibut; 3M cod (first MSE development in 2015 and second in 2019, not in force); 3LN redfish; and development of recovery plans for different stocks (American plaice, cod, redfish, etc); member of the NAFO SC Catch Estimation Working Group; member of the Working Group to Reflect on the Rules Governing Bycatches, Discards and Selectivity in the NAFO Regulatory Area; member of the Working Group on Ecosystem Science and Assessment. She has carried out different studies in the NAFO Area about the biology of the species and ecosystem indicators. This last is a key point in the development of an Ecosystem Approach Framework.

She has been the responsible of estimating and submitting the indices of the surveys carried out by the EU (Spain and Portugal) in the NAFO Regulatory Area for the species assessed by the NAFO Scientific Council. Surveys: *Platuxa* (Divisions 3NO, 1995-2019;2021), *Flemish Cap* (Division 3M, 1988-2021) and *Fletán Negro* (Division 3L, 2003-2019).

She participated in one research survey in Svalbard (2001), four research surveys in the NAFO Regulatory Area (2003-2006), and she was the survey chief in Ecuador in two surveys (2009-2010), comprising a total of seven surveys and 203 vessel days.

She has attended and conducted several courses and workshops about assessment and management of fisheries.

She was the co-supervisor between 2012 and 2017 of the thesis of Adriana Nogueira Gassent *Changes in the overexploited demersal fish assemblages in the Northwest Atlantic: the Southern Grand Banks and the Flemish Cap*.

She had in 2012 a 3-months grant under the CAMPUSDOMAR Project in the Northwest Atlantic Fisheries Center (NAFC) of the Department of Fisheries and Oceans (DFO) in St John´s (Canada) for estimating Reference Points for 3NO cod and 3M cod and the development of a Management Strategy Evaluation of the Greenland halibut.

Publications since 2009 (Normalized Impact index (NI) (2013-2016): 1.53 (WoS) (Fisheries))

\*Nogueira, A., X. Paz and D. González-Troncoso, 2013. Persistence and Variation on the Groundfish Assemblages on the Southern Grand Banks (NAFO Divisions 3NO): 20022011. Journal of Northwest Atlantic Fishery Science, 45: 1941.

\*Nogueira A., X. Paz and D. González-Troncoso, 2015. Changes in the exploited demersal fish assemblages in the Southern Grand Banks (NAFO Divisions 3NO): 20022013. ICES Journal of Marine Science, 72: 753-770.

\*Nogueira, A., D. González-Troncoso and N. Tolimieri, 2015. Changes and trends in the overexploited fish assemblages of two fishing grounds of the Northwest Atlantic. ICES Journal of Marine Science, 10.1093/icesjms/fsv172.

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assumptions about reproductive potential and recruitment on a Management Strategy Evaluation for the Greenland halibut stock in NAFO Subarea 2 and Division 3KLMNO. Journal of Northwest Atlantic Fishery Science, Vol. 48: 120.

\*Morgan, M.J., P. A. Shelton, F. González-Costas and D. González-Troncoso, 2016. Compensation potential in six depleted groundfish stocks from the Northwest Atlantic. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73(2): 257-269, 10.1139/cjfas-2015-0056.

\*Nogueira, A., X. Paz and D. González-Troncoso, 2017. Demersal groundfish assemblages and depth-related trends on Flemish Cap (NAFO Division 3M): 2004-2013. Fisheries Research 186 (2017) 192204, 10.1016/j.fishres.2016.08.016

\*Nogueira, A., A. Pérez-Rodríguez, D. González-Troncoso and F. Saborido-Rey, 2018. Could population and community indicators contribute to identify the driver factors and describe the dynamic in the Flemish Cap demersal assemblages? Fisheries Research. 10.1016/j.fishres.2018.01.019.

\*Nogueira, A., N. Tolimieri and D. González-Troncoso, 2018. Using multivariate state-space models to examine commercial stocks of redfish (Sebastes spp.) on the Flemish Cap. Canadian Journal of Fisheries and Aquatic Sciences. 10.1139/cjfas-2017-0435.

\*Álvarez Hernández, M., J. Roca-Pardiñas and D. González Troncoso, In revision. Bootstrap-based method for testing linear combinations of proportions. Application to the sex ratio of the adult cod population in the Flemish Cap Bank.

Coordination and participation in projects: 18 projects since 2009 (12 international and 7 national (partially funded by the EU)).

\*Participation in the project Fisheries Sustainability and protection of the biodiversity and EMVs, funded by the European Union (2021-2023, 48 moths duration).

\*Participation in the project MATH4FISH: Nuevas herramientas para el modelado matemático en el asesoramiento científico de pesquerías españolas funded by the Ministerio de Agricultura, Pesca, y Alimentación of Spain (2021-2023, 48 moths duration).

\*Participation in the project *Gestion sostenible de pesquerias: dinamica de transicion y puntos de referencia limite (GSP)* funded by Banco Santander (PR87/19-22582) (2019-2021, 20 months duration).

\*Participation in the Project Study to produce an International Manual of Procedures (IMP) to be used in the NAFO Regulatory Area to guide the collection of samples from fisheries products for genetic analysis, Specific Contract No.15 under the European Union Framework Contract EASME/EMFF/2016/008 (2019, 5 months duration).

\*Coordination inside the IEO of the Project Organization of the 2018 Annual Meeting of RFMO scientists in Brussels, Specific Contract No.10 under the European Union Framework Contract EASME/EMFF/2016/008 (2019, 9 months duration).

\*Co-coordination inside both the EU and the IEO of the Project Support to a robust model assessment, benchmark and development of a Management Strategy Evaluation for cod in NAFO Division 3M, Specific Contract No.3 under the European Union Framework Contract EASME/EMFF/2016/008 (2017-2019, 33 months duration).

\*Coordination inside the IEO of the project Multispecies fisheries assessment for NAFO, Specific Contract No.5 under the European Union Framework Contract EASME/MARE/2016/008 (2017-2018, 21 months duration).

\*Participation in the Project Provision of advice, coordination and participation of scientists in the meetings of the Regional Fisheries Management Organizations (2015, 9 months duration).

\*Co-coordinator inside both the EU and the IEO of the Project Provision of advice on the development of a multiannual management plan and the evaluation of a management strategy for cod in NAFO Division 3M, Specific Contract No.2 under the European Union Framework Contract MARE/2012/21 (2014-2015, 12 months duration).

\*Participation in the Project Scientific Advice for Fisheries in External Waters-1, Specific Contract No.1 under the European Union Framework Contract ref. No MARE/2012/21 (2014-2015, 13 months duration).

\*Participation in the Project provision of advice on the management of discards in EU fisheries beyond EU waters, Specific Contract No.5 under the European Union Framework Contract ref. No MARE/2012/21 (2014, 10 months duration).

\*Participation in the Project CAMPUSDOMAR (2011-2015).

\*Participation in the Project Flemish Cap Coordinated Survey, partially funded by the EU via the Data Collection Framework (2009-2013-2016-2017-2019-2020-2021).

\*Participation in the Project Analysis of the reproductive potential to improve the sustainability of Greenland halibut fishery (STREPHALIBUT), Spain-Canada (2009-2012).

\*Participation in the Project Management and Monitoring of Deep-sea Fisheries and Stocks (DEEPFISHMAN), funded by the EU (2009-2012).

\*Participation in several Projects inside the IEO since 2009: EVAPESLE, BIOPESLE, ACOIN, ECOPESLE, QUAR