






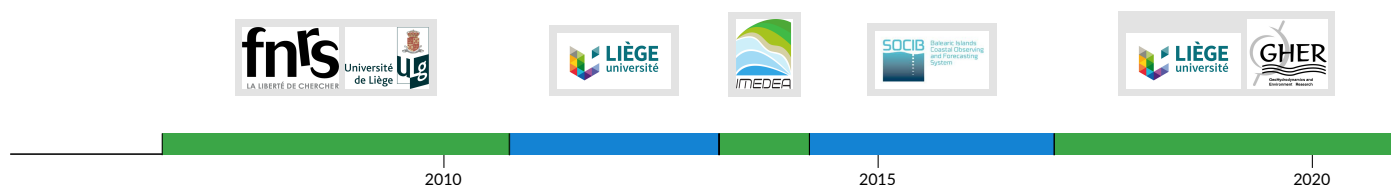


① – Contact data

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 <https://twitter.com/CharlesTroupin>

② – Experience



2017/01 present | Senior researcher | GeoHydrodynamics and Environment Research ([GHER](#))

- | Improvement and testing of the DIVA and DIVAnd interpolation software tools.
- | User support and training, documentation writing.
- | Analysis of suspended particular matter satellite images in the North Sea.
- | Interpolation of velocity measurements using HF radar and drifters.

2014/03–2017/01 | Head of Data Centre | Balearic Islands Coastal Ocean Observing and Forecasting System ([SOCIB](#))

- | Management of the projects and staff.
- | Relations with external users (national and European), data providers and other facilities.
- | Development of applications for the access and visualisation of oceanographic data.
- | Forecasting of extreme sea level events (*rissaga*) using time series.
- | Acquisition and processing of satellite, remote-sensing data (wind, salinity sea surface temperature, chlorophyll concentration).
- | Analysis and interpretation of multi-platform observations (HF radar, satellite, stations, mobile platforms).

2013/03–2014/03 | Post-doctoral researcher | Mediterranean Institute for Advanced Studies ([IMEDEA](#))

- | Preparation of high-resolution altimetry products in the Mediterranean Sea (MyOcean 2 project).
- | Analysis of in situ and remote-sensed data in the Balearic Sea.
- | Processing (interpolation, filtering) and interpretation of multi-sensor measurements (High-frequency radar, underwater glider, altimeter).
- | Operational production of regional altimetry maps (satellite imagery).

2010/10–2013/02 | Research assistant | [University of Liège](#)

- | Supervisor of the laboratory "Microscopes" for undergraduate students (laboratory sessions for 60-80 students, evaluation).
- | Analysis of total-suspended matter images on the North Sea.
- | Spatio-temporal interpolation of satellite wind data.
- | Improvement and testing of DIVA interpolation software tool.

2006/10–2010/09 | PhD Candidate | Fund for Research Training in Industry and Agriculture ([National Fund for Scientific Research](#), Belgium), GeoHydrodynamics and Environment Research ([GHER](#), University of Liège)

- | Study of the upwelling filament off Cape Ghir (Northwest Africa).
- | Hydrographic climatology for the North-East Atlantic Ocean.
- | Implementation of the ROMS model at high-resolution around Cape Ghir and design of process-oriented experiments.
- | Participation to the CAIBEX cruise onboard *Sarmiento de Gamboa* (summer 2009) off Cape Ghir and processing of the cruise data.

MATLAB ROMS DIVA
Spatial interpolation
Quality control

2010/08–2010/09 | Trainee | NATO Undersea Research Center, La Spezia (Italy)

- | Development of an operational, multivariate processing for the reconstruction of incomplete satellite images.
- | Pre-processing of remote-sensed data (chlorophyll concentration, sea surface temperature).

MATLAB DINEOF
Remote sensing
Multivariate analysis
EOF analysis

2005/10–2005/12 | Research Engineer | University of Liège

- | Modeling of Coccolithophore blooms in the Bay of Biscay using a 1-dimensional model (GOTM)

Fortran MATLAB
netCDF Atmospheric forcing

3 – Main research interests

- | Data visualisation in environmental sciences
- | Spatial interpolation techniques applied to geophysical data
- | Processing and analysis of satellite images
- | High-resolution numerical modelling in coastal areas
- | Air-sea interactions and influence of physical processes on biology

4 – Education

2006–2011 | PhD in Sciences – Oceanography | University of Liège and University of Las Palmas de Gran Canaria: *Study of the Cape Ghir upwelling filament using variational data analysis and regional numerical model*

👤 Supervisors: J.-M. Beckers and P. Sangrà

📅 Lecture date: 15 September 2011

🔗 <http://hdl.handle.net/2268/105400>

2005–2006 | Advanced Master in Modelling of the Marine Environment | University of Liège and University of Las Palmas de Gran Canaria

Final project: *Simulation of annual cycles of phytoplankton, zooplankton and nutrients using a mixed layer model coupled with a biological model*

👤 Supervisor: P. Sangrà

🔗 <http://hdl.handle.net/2268/112587>

2000–2005 | Civil Engineer in Physics | University of Liège

Final project: *Structuring in granular media*

👤 Supervisors: P.C. Dauby and N. Vandewalle (ULg)

🔗 <http://hdl.handle.net/2268/112588>

4.1 – Training

2019/11/29 *Professional software dedicated to research*, ULiège (3h), J. Fays, R. Hoyoux

2019/11/29 *Software development strategy*, ULiège (3h), J. Fays

2018/01/21 *Managing an international research team*, ULiège (3h), I. Halleux

2016/07 *Big Data: Data Visualisation*, 2 weeks / 2 hours per week, Queensland University of Technology

2016/06 *SQL: Table Transformation*, Code Academy

2016/06 *Learn SQL*, Code Academy

2016/01 *Tropical Mesoscale Convective Systems*, 1.5 hour, Comet MedEd

2016/01 *Using Scatterometer Wind and Altimeter Wave Estimates in Marine Forecasting*, 2 hours, Comet MedEd

2015/12 *Monitoring Climate from Space*, 5 weeks / 3 hours per week, European Space Agency

December 2015 *Google's Python Class*, 2 days, Google for Education

2012/11/06 *Interview in English*, Gembloux (1 day), J.-P. Hermann

2012/10/26 *Understanding the factors of success and failure in the first year of university*, ULg (1/2 day), L. Leduc and B. Mérenne

2012/10/24 *Keys and main principles of team management*, ULg (1/2 day), L. Maréchal

2012/05/10 *Efficient slides and graphics*, ULg (2h), J.-L. Doumont (Principiæ)

2011 *Structuring written documents*, ULg (2h), J.-L. Doumont (Principiæ)

⑤ – Skills and Competencies

5.1 – Technical skills

Data analytics Quality control, Time series analysis, Singular events, Filtering, Data mining, Statistics, Predictive modelling

Engineering Fluid mechanics, Aerodynamics, Finite-Element Method, Atmospheric Physics, Numerical simulations, Numerical analysis, Signal processing, Optimization, High-performance computing

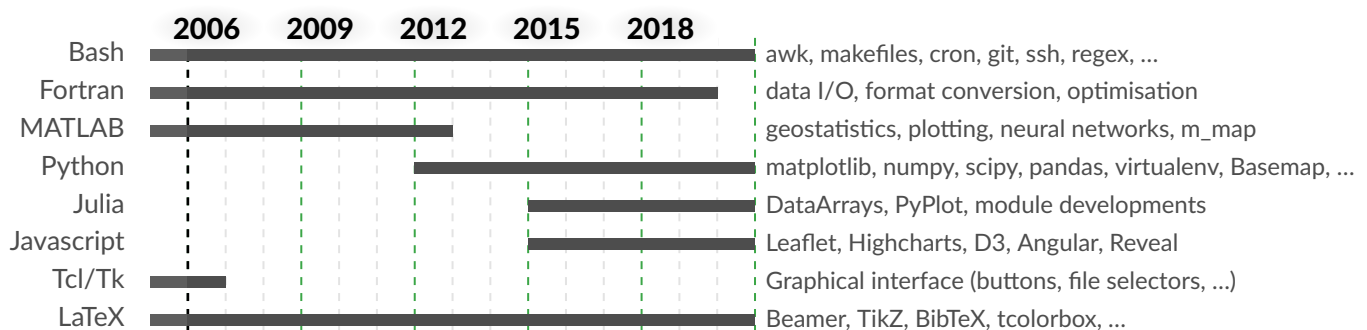
Physical Oceanography Spatial interpolation, Time-Series Analysis, Principal Component Analysis, Process-oriented modelling, Database Management, Satellite Image Processing

5.2 – IT skills

⌘ Programming

Functional programming
Object oriented programming
Test-oriented development
Control version system (git, svn)
Unit testing
Continuous integration

Languages



🔑 Tools

Visualisation: bokeh, matplotlib, folium, plotly, leaflet

Data bases: MySQL, PostgreSQL

Operating systems: Linux (Mint, Ubuntu) · Experience with Mac OS X Lion, Microsoft Windows

Image processing: GIMP, Inkscape, Darktable, ImageJ, Matlab, Python, ffmpeg, hugin, ImageMagick

Oceanography software: Ocean Data View, DIVA (spatial interpolation), DINEOF (spatio-temporal interpolation of satellite images)

Misc: NX Client, VPN, Asana, QGIS

5.3 – Management

Projects and management Planning and monitoring, scientific and technical reports, teamwork, deadlines, specification documents, applications for grants and supports.

Communication Oral presentations at international conferences (in English, Spanish or French), social networking, management of group accounts on twitter (@SOCIB_data, @GHER_ULg).

Conference organisation Main organiser of several editions of the Diva workshop (10 participants from European research centres on average) and member of the organising committee of the 48th International Liège Colloquium on Ocean Dynamics (200 participants from 40 countries).

5.4 – Languages

Summary

English for the communication with the project partners and for the writing of technical document.
Spanish, English and Catalan in the previous working environment.

French Native speaker

Spanish Highly proficient in spoken and written Spanish

English Highly proficient in spoken and written English

Catalan Limited working proficiency

German Limited working proficiency

Italian Elementary proficiency

Dutch Elementary proficiency (basic course for beginners)

5.5 – Teaching and Training

Summary

My experience of training at the University is complemented by several training courses given in the frame of European projects or invited lectures.

2019/10/28–30 *Introduction to scientific Python. Application to Oceanography*, University of Cádiz, Facultad de Ciencias del Mar y Ambientales: Graduate students, researchers and professors.

2017/11/15–17 *Open Sea Lab Workshop*, De Serre, Antwerp: Participant coaching for the EMODnet data access and usage.

2017/04 *Geophysical Fluid Dynamics*, University of Liège, Faculté des Sciences: Master students.

2016/01/27–29 *Introduction to scientific Python. Application to Oceanography*, University of Cádiz, Facultad de Ciencias del Mar y Ambientales: Graduate students, researchers and professors.

2015/12/10–11 CMEMS Regional User Training Workshop dedicated to the Atlantic European South West Shelf Ocean, Lisbon (Portugal): data and tools of the In Situ Thematic Assembly Center (INSTAC).

2015/12/03–04 CMEMS Regional User and Training Workshop dedicated to the Mediterranean Sea, La Spezia (Italy): data and tools of the In Situ Thematic Assembly Center

- | Manipulation of netCDF files.

- | Discovery and access to data.

- | Use of Python and Ocean Data View to process oceanographic data.

2010/10–2013/02 *Physics laboratory (optics)*, University of Liège, Faculty of Medicine and Faculty of Veterinary Medicine: Undergraduate students.

2007–2013 *Physical Oceanography, Risk Management, Marine Meteorology* (assistant), University of Liège, Faculty of Sciences: Undergraduate students.

6 – Projects and services

Summary

Since 2006, I have been involved in several internal, national and European projects dealing with data analysis and management, operational oceanography or numerical modelling. I contributed to the project proposals, the preparation of the deliverables, the support to users and was participating to the meetings of the technical task group and steering committee.

6.1 – European projects

2019–ongoing [PHIDIAS](#) (CEF Telecom): Deployment of DIVAnd tool in a HPC environment.

2019–ongoing [EMODnet Physics](#): Creation of velocity maps by interpolating drifter and high-frequency radar measurements.

2018–ongoing [EOSC-Hub](#): Development of a data analytics platform for marine data.

2017–ongoing [EMODnet Biology](#): Creation of gridded fields based on species counts and observations.

2017–ongoing [EMODnet Chemistry](#)

- | Creation of gridded field for chemical variables.
- | Visualisation of the products using the OceanBrowser tool.
- | Preparation of merged products combining all the regional components.
- | Generation of XML records for the data catalog.

2017–ongoing [EMODnet Data Ingestion](#): Development on new gridded products using the data obtained in the frame of the project.

2017–ongoing [SeaDataCloud](#) (H2020): Further developing the pan-European infrastructure for marine and ocean data management

- | Improvement and testing of the DIVA software tool.
- | Development of a user interface for Diva on a Virtual Research Environment.
- | Preparation of the new regional products.

2015–2017 [JERICO-NEXT](#) (H2020): Data management best practices; glider data processing and calibration.

2015–2017 [ODIP 2](#) (Ocean Data Interoperability portal)

- | Test of new standards in data and metadata management
- | Data visualisation tools

2015–2017 Copernicus Marine Environment Monitoring Service, In Situ Thematic Assembly Center (INSTAC):

- | Elaboration of the Ocean State Report.
- | Coordinator of the outreach, training and communication activities.
- | Preparation and participation to the regional user training workshops.

2013–2014 MyOcean 2, Ocean monitoring and forecasting infrastructure:

- | Preparation of high-resolution altimetry products in the Mediterranean Sea.
- | Data analysis during a multi-platform experiment in the Ibiza Channel.

2012–2013 [ODIP](#) (Ocean Data Interoperability portal): Definition of standards for the data and metadata exchange.

2011–2015 PERSEUS (Policy-oriented marine Environmental Research for the Southern European Seas): Processing of glider and campaign data

2009–2013 [EMODnet – Chemistry](#): Pilot component for a final operational European Marine Observation and Data Network:

- | Improvement to the DIVA tool.
- | Development of the DIVA web-interface.

2009–2013 [SeaDataNet 2](#): Infrastructure for ocean and marine data exchange.

2008–2009 CAIBEX (Study of the Exchanges between continental shelf and ocean in the Canaries-Iberian marine ecosystem):

- | Implementation of a high-resolution numerical model in the Cape Ghir region.
- | Participation to the CAIBEX-Cape Ghir cruise (August 2009).

2006–2011 [SeaDataNet](#): Infrastructure for ocean and marine data exchange:

- | Contribution to the project proposal.
- | Development, documentation and testing of DIVA software tool.
- | Organization of the user training workshops.

6.2 – National projects

2019–ongoing Multisync: combination of satellites measurements at different resolutions to reconstruct suspended particular matter in the North Sea.

2014–2017 BlueFin Tuna: combination of observations and models to understand and predict tuna abundance.

2014–2017 Grumers: Database for jellyfish observations around the Balearic Islands.

2014–2017 [Medcliv](#) (Oceanographic data in the Mediterranean Sea at one click): Providing access to SOCIB sensors data.

2014–2015 SeaTurtle: Development of a viewer showing turtle trajectories in real-time.

2011–2013 HiSea (High-resolution merged satellite Sea surface temperature fields): EOF analysis of satellite images improved with numerical model outputs.

2010/08 REP10 (Recognized Environmental Picture): Analysis and reconstruction of incomplete satellite images on the Ligurian Sea.

7 – Research stays

3 September - 31 October 2018 Analysis of surface currents in the Gulf of Trieste using high-frequency radar, Marine Biology Station Piran, National Institute of Biology (NIB), Piran (Slovenia).

5 August - 5 September 2010 Analysis of satellite images in the Ligurian Sea, NATO Undersea Research Centre (NURC), La Spezia (Italy).

15 July 2009 - 30 September 2009 Preparation and participation to CAIBEX cruise, Las Palmas (Spain) and Cape Ghir (Morocco).

5 January 2009 - 31 March 2009 Diagnostics on model outputs, ULPGC, Las Palmas de Gran Canaria (Spain).

30 May - 30 August 2008 High-resolution configuration for the model, ULPGC.

5 December 2007 - 5 March 2008 Diagnostics on model outputs, ULPGC.

21 May - 24 August 2007 Design of process-oriented numerical experiments, ULPGC.

5 January - 15 March 2007 Implementation of ROMS numerical model, ULPGC.

8 – Scientific contributions

Summary

In the frame of international projects, I authored or co-authored several works published in peer-reviewed journal and mainly focused on data analysis and tools.

20+

Papers in peer-review
journals

100 +

Presentations at
international
conferences

Reviewer for

7

journals

Articles

- [1] S. Ruiz, M. Claret, A. Pascual, A. Olita, C. Troupin, A. Capet, A. Tovar-Sanchez, J. Allen, P.-M. Poulain, J. Tintoré, and A. Mahadevan, 2019. Effects of oceanic meso- and submeso-scale frontal processes on the vertical transport of phytoplankton. *Journal of Geophysical Research*. doi 10.1029/2019JC015034.
- [2] C. Troupin, A. Pascual, S. Ruiz, A. Olita, B. Casas, F. Margirier, P.-M. Poulain, G. Notarstefano, M. Torner, J. G. Fernández, M. R. Rujula, C. Muñoz, E. Alou, I. Ruiz, A. Tovar-Sánchez, J. T. Allen, A. Mahadevan, and J. Tintoré, Jan 2019. The AlborEX dataset: sampling of sub-mesoscale features in the Alboran Sea. *Earth System Science Data*, 11(1):129–145. ISSN 1866-3516. doi 10.5194/essd-11-129-2019. URL <https://www.earth-syst-sci-data.net/11/129/2019/>.
- [3] A. Barth, A. Mahadevan, A. Pascual, S. Ruiz, and C. Troupin, 2018. The 48th Liege Colloquium: Sub-mesoscale processes: mechanisms, implications, and new frontiers. *Ocean Dynamics*, 68(8):1067–1069. doi 10.1007/s10236-018-1173-5. URL <https://link.springer.com/article/10.1007/s10236-018-1173-5>.
- [4] A. Iona, A. Theodorou, S. Sofianos, S. Watelet, C. Troupin, and J.-M. Beckers, 2018. Mediterranean Sea climatic indices: monitoring long-term variability and climate changes. *Earth System Science Data*, 10(4):1829–1842. doi 10.5194/essd-10-1829-2018. URL <https://www.earth-syst-sci-data.net/10/1829/2018/essd-10-1829-2018.html>.
- [5] A. Iona, A. Theodorou, S. Watelet, C. Troupin, J.-M. Beckers, and S. Simoncelli, Jul 2018. Mediterranean Sea Hydrographic Atlas: towards optimal data analysis by including time-dependent statistical parameters. *Earth System Science Data*, 10(3):1281–1300. ISSN 1866-3516. doi 10.5194/essd-10-1281-2018. URL <https://www.earth-syst-sci-data.net/10/1281/2018/>.
- [6] F. Lenartz, C. Troupin, and W. Lefebvre, Sep 2017. Data interpolating variational analysis for the generation of atmospheric pollution maps at various scales. In *International Technical Meeting on Air Pollution Modelling and its Application*, pages 231–235. Springer International Publishing. ISBN 9783319576459. ISSN 2213-8692. doi 10.1007/978-3-319-57645-9_37. URL https://link.springer.com/chapter/10.1007/978-3-319-57645-9_37.
- [7] M. Licer, B. Mourre, C. Troupin, A. Kriemeyer, A. Jansá, and J. Tintoré, Mar 2017. Numerical study of Balearic meteotsunami generation and propagation under synthetic gravity wave forcing. *Ocean Modelling*, 111:38–45. ISSN 1463-5003. doi 10.1016/j.ocemod.2017.02.001. URL <http://www.sciencedirect.com/science/article/pii/S1463500317300136>.

- [8] A. Pascual, S. Ruiz, A. Olita, C. Troupin, M. Claret, B. Casas, B. Mourre, P.-M. Poulain, A. Tovar-Sanchez, A. Capet, E. Mason, J. Allen, A. Mahadevan, and J. Tintoré, 2017. A multiplatform experiment to unravel meso- and submesoscale processes in an intense front (AlborEx). *Frontiers in Marine Science*, 4(39):1–16. doi 10.3389/fmars.2017.00039. URL <http://journal.frontiersin.org/article/10.3389/fmars.2017.00039/full>.
- [9] A. Barth, S. Watelet, C. Troupin, A. Alvera-Azcárate, G. Santinelli, G. Hendriksen, A. Giorgetti, and J.-M. Beckers, October 2016. OceanBrowser: on-line visualization of gridded ocean data and in situ observations. In I. N. di Oceanografia e di Geofisica Sperimentale, editor, *Bollettino di Geofisica teorica ed applicata - IMDIS 2016 International Conference on Marine Data and Information Systems*, volume 57 - supplement, pages 39–40. IOPAN and IMGW. URL <http://www3.ogs.trieste.it/bgta/pdf/IMDIS2016.pdf>.
- [10] M. Juza, R. Escudier, A. Pascual, M.-I. Pujol, G. Taburet, C. Troupin, B. Mourre, and J. Tintoré, 2016. Impacts of reprocessed altimetry on the surface circulation and variability of the Western Alboran Gyre. *Advances in Space Research*, 58(3):277–288. doi 10.1016/j.asr.2016.05.026. URL <http://www.sciencedirect.com/science/article/pii/S0273117716302125>.
- [11] M. Juza, B. Mourre, L. Renault, S. Gómara, K. Sebastián, S. Lora, J. P. Beltran, B. Frontera, B. Garau, C. Troupin, M. Torner, E. Heslop, B. Casas, R. Escudier, G. Vizoso, and J. Tintoré, 2016. SO-CIB operational ocean forecasting system and multi-platform validation in the Western Mediterranean Sea. *Journal of Operational Oceanography*, 9(sup1):s155–s166. doi 10.1080/1755876X.2015.1117764. URL <http://www.tandfonline.com/doi/full/10.1080/1755876X.2015.1117764#.V4M5xP7HjGc>.
- [12] L. Petit de la Villéon, S. Pouliquen, H. Wehde, J. Tintore, T. Carval, L. S. Ringheim, S. Tamm, S. Tarot, V. Marinova, M. L. Perivoliotis, de Alfonso Alonso-Muñoyerro, T. Hammarklint, F. Manzano Muñoz, C. Troupin, K. Balem, and C. Guyot, October 2016. Marine environmental data bases: infrastructures and data access systems Copernicus Marine Environment Monitoring Service In Situ TAC: an In situ operational data provision system for operational oceanography. In I. N. di Oceanografia e di Geofisica Sperimentale, editor, *Bollettino di Geofisica teorica ed applicata - IMDIS 2016 International Conference on Marine Data and Information Systems*, volume 57 - supplement, pages 149–150. IOPAN and IMGW. URL <http://www3.ogs.trieste.it/bgta/pdf/IMDIS2016.pdf>.
- [13] M. Sotillo, E. Garcia-Ladona, A. Orfila, P. Rodríguez-Rubio, J. C. Maraver, D. Conti, E. Padorno, J. Jiménez, E. Capó, F. Pérez, J. Sayol, F. J. de los Santos, A. Amo, A. Rietz, C. Troupin, J. Tintoré, and E. Álvarez Fanjul, 2016. The MEDESS-GIB database: Tracking the Atlantic water inflow. *Earth System Science Data*, 8:141–149. doi 10.5194/essd-8-141-2016. URL <http://www.earth-syst-sci-data.net/8/141/2016/>.
- [14] C. Troupin, B. Frontera, J. P. Beltran, A. Kriemeyer, K. Sebastian, S. Gómara, M. Gomila, R. Escudier, M. Juza, B. Mourre, Àngels Garau, T. Cañellas, and J. Tintoré, October 2016. Medclit: the Mediterranean in one click. In I. N. di Oceanografia e di Geofisica Sperimentale, editor, *Bollettino di Geofisica teorica ed applicata - IMDIS 2016 International Conference on Marine Data and Information Systems*, volume 57 - supplement. IOPAN and IMGW. URL <http://www3.ogs.trieste.it/bgta/pdf/IMDIS2016.pdf>.
- [15] C. Troupin, B. J. Pau, B. Frontera, S. Gómara, M. Gomila, A. Kriemeyer, C. Muñoz, M. A. Rújula, I. Serra, and J. Tintoré, October 2016. Data processing and visualization at the Balearic Islands Coastal Observing and Forecasting System (SOCIB). In I. N. di Oceanografia e di Geofisica Sperimentale, editor, *Bollettino di Geofisica teorica ed applicata - IMDIS 2016 International Conference on Marine Data and Information Systems*, volume 57 - supplement, pages 43–44. IOPAN and IMGW. URL <http://www3.ogs.trieste.it/bgta/pdf/IMDIS2016.pdf>.
- [16] M. Juza, B. Mourre, L. Renault, S. Gómara, K. Sebastián, S. Lora, J. Beltran, B. Frontera, C. Troupin, M. Torner, E. Heslop, G. Vizoso, B. Casas, and J. Tintoré, October 28–30 2015. WMOP: Western Mediterranean SOCIB high-resolution ocean forecasting system. In E. Buch, Y. Antoniou, D. Eparkhina, and G. Nolan, editors, *Proceedings of the Seventh EuroGOOS International Conference*, pages 347–355. EuroGOOS, Lisbon, Portugal. URL <http://eurogoos.eu/download/publications/EuroGOOS-2014-Conference-Proceedings.pdf>. ISBN 978-2-9601883-1-8.

- [17] A. Pascual, A. Lana, C. Troupin, S. Ruiz, Y. Faugère, R. Escudier, and J. Tintoré, 2015. Assessing SARAL/AltiKa near-real time data in the coastal zone: comparisons with HF radar and Jason-2 observations. *Marine Geodesy*, 38(Supplement 1):260–276. doi 10.1080/01490419.2015.1019656. URL <http://www.tandfonline.com/doi/full/10.1080/01490419.2015.1019656>.
- [18] P. Sangrà, C. Troupin, B. Barreiro-González, E. D. Barton, A. Orbi, and J. Arístegui, May 2015. The Cape Ghir filament system in August 2009 (NW Africa). *Journal of Geophysical Research*, 120(6):4516–4533. ISSN 2169-9275. doi 10.1002/2014jc010514. URL <http://onlinelibrary.wiley.com/doi/10.1002/2014JC010514/full>.
- [19] C. Troupin, J. Belltran, E. Heslop, M. Torner, B. Garau, J. Allen, S. Ruiz, and J. Tintoré, 2015. A toolbox for glider data processing and management. *Methods in Oceanography*, 13-14:13–23. doi 10.1016/j.mio.2016.01.001. URL <http://www.sciencedirect.com/science/article/pii/S2211122015300207>.
- [20] C. Troupin, J. Beltran, B. Frontera, S. Gómara, S. Lora, D. March, K. Sebastian, and J. Tintoré, October 28-30 2015. Oceanographic data management at the Balearic Islands Coastal Ocean Observing and Forecasting System (SOCIB). In E. Buch, Y. Antoniou, D. Eparkhina, and G. Nolan, editors, *Proceedings of the Seventh EuroGOOS International Conference*, pages 177–184. EuroGOOS, Lisbon, Portugal. URL <http://eurogoos.eu/download/publications/EuroGOOS-2014-Conference-Proceedings.pdf>. ISBN 978-2-9601883-1-8.
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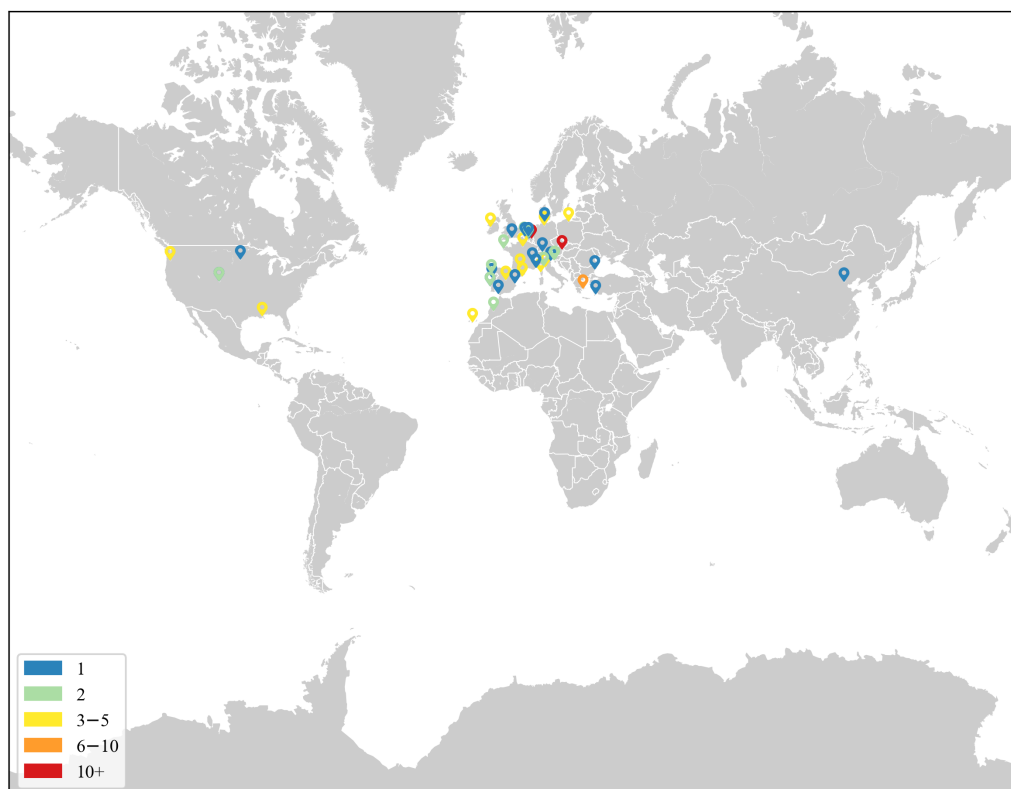
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8.1 – Invited Editor

Ocean Dynamics: Special Issue for the 48th Liège Colloquium on Ocean Dynamics,  [10.1007/s10236-018-1173-5](https://doi.org/10.1007/s10236-018-1173-5)

8.2 – Reviewer

Earth System Science Data, Ocean Science, Ocean Dynamics, Ocean Engineering, Journal of Marine Systems, Journal of Geophysical Research – Ocean, Remote Sensing of Environment

8.3 – Doctoral thesis tribunal

2017/09/25 Bàrbara Barceló-Llull (ULPGC, Spain)

Shedding light into mesoscale dynamics and vertical motion through synthetic and in situ observations

2017/09/16 Yeray Santana Falcón (ULPGC, Spain)

Transport, Respiration, and Sequestration of Organic Carbon in the Canary Current Ecosystem: Relevance within the Global Carbon Cycle

8.4 – Undergraduate student training

2012/05/12–2012/05/19 Joaquim Pereira Bento (Uni-Kiel, Germany)

In situ and satellite data interpolation

2011/09–2011/11 Nikolaos Zarokanellos (HCMR, Greece)

Data interpolation for the Eastern Mediterranean Sea

2009/01–2009/05 Marc Piedeleu (ULPGC, Spain)

Analysis of in situ observations south of the Canary Islands

2008/11–2008/12 Anna Rabitti (OGS, Italy)

Spatial interpolation of in situ data in the Adriatic Sea

8.5 – Organisation of conferences

Summary

From 2006 on, I have organised several editions of a training workshop about an interpolation software tool (DIVA) and helped in the organisation of the International Liège Colloquium on Ocean Dynamics. In 2016, I co-organised the 48th Edition on *Submesoscale processes*, which gathered over 200 scientists from 40 countries.

2016/05/23–27 48th International Liège Colloquium on Ocean Dynamics on *Submesoscale Processes: Mechanisms, Implications and new Frontiers* (Liège, Belgium)

- | Invitation of keynote speakers.
- | Applications for sponsorship.
- | Preparation of the scientific program.
- | Design of the conference flyer.
- | Organisation of social events.

2012/10/08–12 6th Diva workshop (Roumaillac, France)

- | Scientific content.
- | Invitation of the participants.
- | Logistic: meeting venue, transportation from/to the airport.

2010/11/03–06 5th Diva workshop (Calvi (France)

2009/10/23–26 4th Diva workshop (Calvi, France)

2008/10/15–17 3rd Diva workshop (Calvi, France)

2007/11/04–06 2nd Diva workshop (Calvi, France)

2006/11/13–15 1st Diva workshop (Liège, Belgium)

- | Workshop program.

- | General logistics.

⑨ – Misc

9.1 – Grants and funding

2011/04 & 2015/04 EGU Young Scientist's Travel Award

2008/05–2008/09 Travel grant (French Community of Belgium)

2006/10–2010/09 Fund for Research Training in Industry and Agriculture (National Fund for Scientific Research, Belgium)

2006/02–2006/09 Erasmus travel grant (European Commission)

2005/09–2005/12 Pisart supervision grant: creation of the presentation support for the course *Thermodynamics of continuous media* in LaTeX

2004/02–2004/06 State grant: writing of the course notes for the course *Further Study of Digital Analysis (Equations with Partial Derivatives)*

9.2 – Representation

2017–ongoing Delegate at the Department Council (Astrophysics, Geophysics and Oceanography, ULiège)

2015–2016 Member of the Monitoring Committee of the Framework Agreement between AEMET and SOCIB

2003–2005 Student delegate

2011–2013 Delegate at the Department Council (Astrophysics, Geophysics and Oceanography, ULiège)

9.3 – Memberships

- | European Geosciences Union (EGU)

- | American Geophysical Union (AGU)

- | Cloud Appreciation Society

9.4 – Personal interests

- | [Running](#): trails, mountain races, track

- | 📷 Photography: landscape, portraits, time-lapse, astro-photography

- | 🌐 Travel blogging

- | 🚴 Road cycling