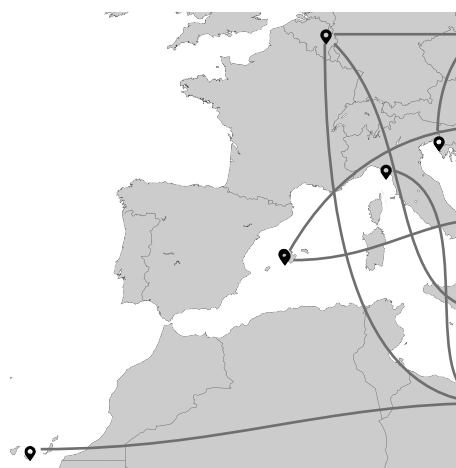


Charles Troupin · Data analyst & modeler · Engineer in Physics

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<https://gitlab.com/ctroupin>
<http://orcid.org/0000-0002-0265-1021>

charles.troupin1
<http://ctroupin.github.io>
<https://github.com/ctroupin/>
<https://twitter.com/CharlesTroupin>

Professional experience



2017/01-present **Post-doctoral researcher @ GHER (ULiège)**
Data interpolation, visualisation and cloud computing

2014/03-2017/01 **Head of the Data Centre Facility @ SOCIB**
Acquisition, processing and visualisation of oceanographic and meteorological data

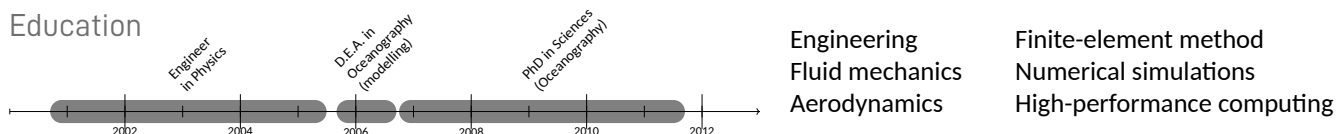
2013/03-2014/03 **Post-doctoral researcher @ IMEDEA**
Analysis of in situ, satellite altimetry and high-frequency radar data

2010/10-2013/02 **Research assistant @ ULiège**
Multivariate reconstruction of incomplete satellite images in the North Sea

2006/10-2010/09 **PhD Candidate @ FRIA-FNRS**
Study of the Cape Ghir filament using numerical modeling and data interpolation

Publication list: <https://ctroupin.github.io/CV/publicationList.pdf>

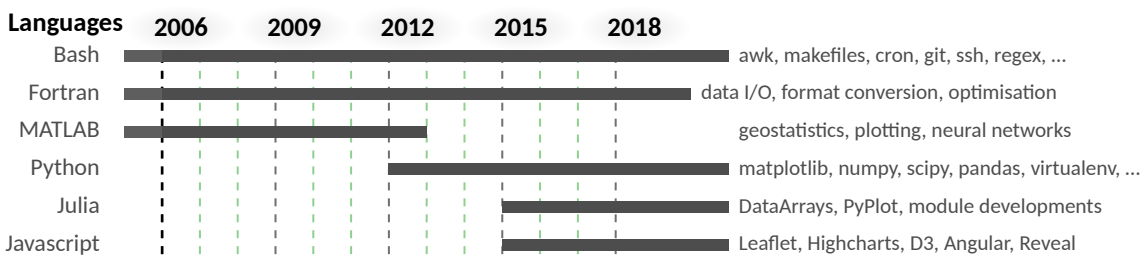
Education



Technical skills

Programming

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



Data analytics

Geostatistics Big data Predictive modelling Cloud computing Data visualisation
Neural networks Signal processing Open data

Oceanography

Numerical modelling (ROMS) Spatial interpolation Remote-sensing data reconstruction Quality control Eddy-tracking Glider data
High-frequency radar data Air-sea interactions Small scale processes

Soft skills

Project management: Planning and monitoring · scientific and technical reporting · specification documents and strategic plans · team leading, recruitment · applications for grants and supports · lean and agile management

Communication: Presentations at international conferences (English, Spanish, French) · design of posters and leaflets (Darktable, GIMP, ImageMagick, Inkscape) · social networks · scientific outreach

Organisation: International scientific meetings (200 participants from 40 countries) · User training workshops

Languages ... French (native) ★★★★★
English ★★★★★ Spanish ★★★★★
Catalan ★★★★★ Italian ★★★★★
German ★★★★★ Dutch ★★★★★

Personal interests

Photography Ultra-trail and mountain running Maps Travel blogging
Road cycling Weather observation & forecast UrbEx Coaching