

Charles Troupin · Data analyst & modeler – Engineer in Physics

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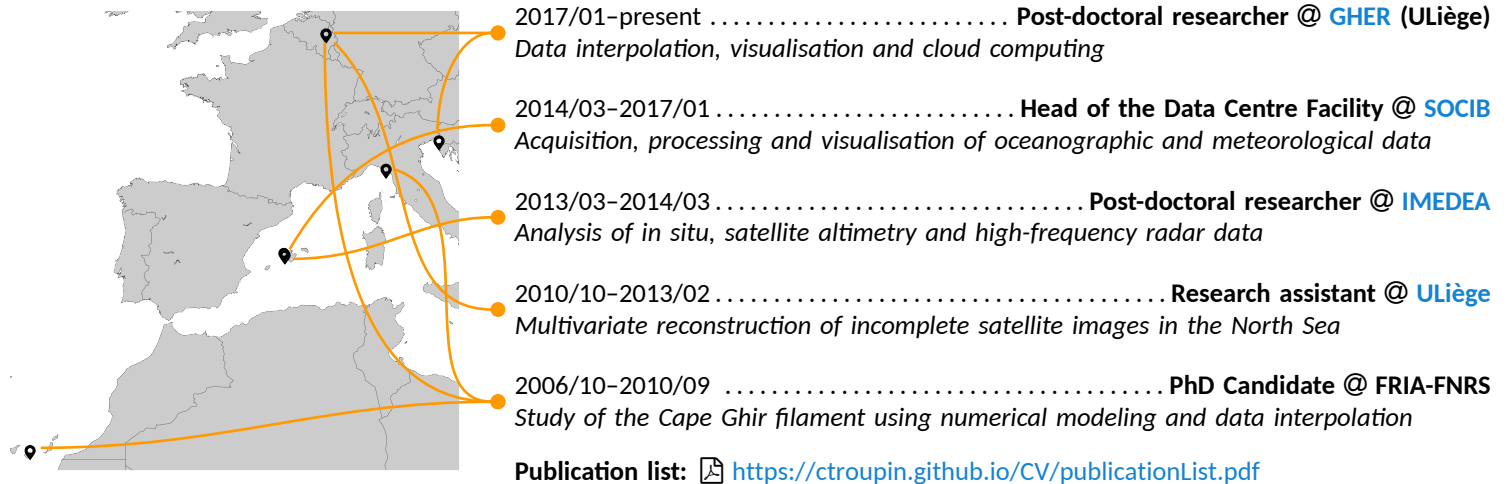
📧 charles.troupin1

🏠 <http://ctroupin.github.io>

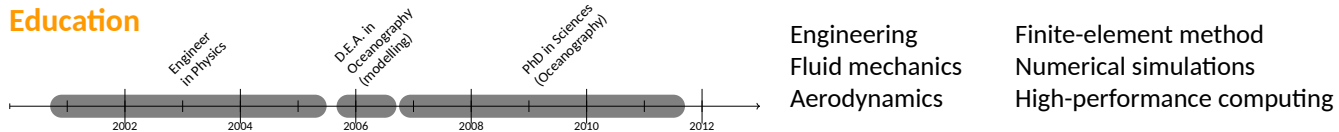
🐙 <https://github.com/ctroupin/>

🐦 <https://twitter.com/CharlesTroupin>

Professional experience



Education



Technical skills

Programming

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

Languages	2006	2009	2012	2015	2018	
Bash						awk, makefiles, cron, git, ssh, regex, ...
Fortran						data I/O, format conversion, optimisation
MATLAB						geostatistics, plotting, neural networks
Python						matplotlib, numpy, scipy, pandas, virtualenv, ...
Julia						DataArrays, PyPlot, module developments
Javascript						Leaflet, Highcharts, D3, Angular, Reveal

Web HTML, CSS, markdown, javascript, Bootstrap, Jekyll, wordpress, Dokuwiki, Mediawiki

Data analytics

Spatial interpolation Geostatistics Big data Predictive modelling Cloud computing Data visualisation

Neural networks Signal processing Open data Quality control

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

Personal interests

📷 Photography 🏃 Ultra-trail and mountain running 📍 OpenStreetMap editing 🗞 Travel blogging
🚴 Road cycling ☁ Weather observation & forecast 🏠 UrbEx 🏠 Coaching