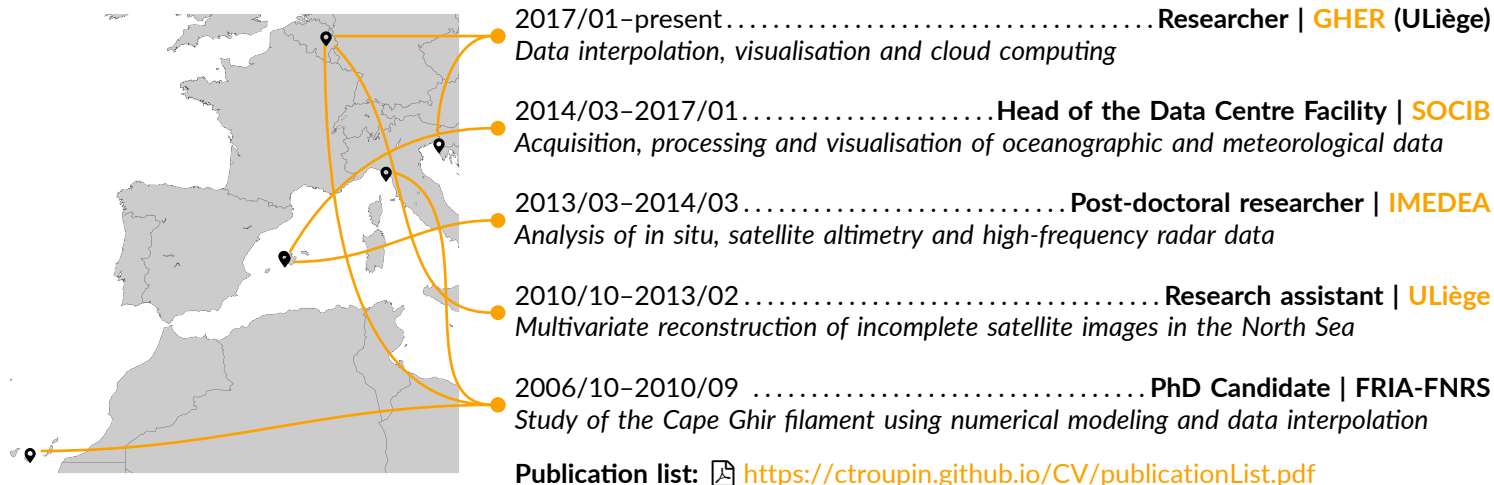


# Charles Troupin · Data analyst & modeler · Engineer in Physics

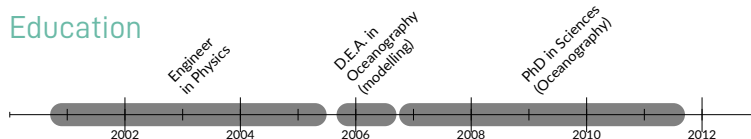
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## Professional experience



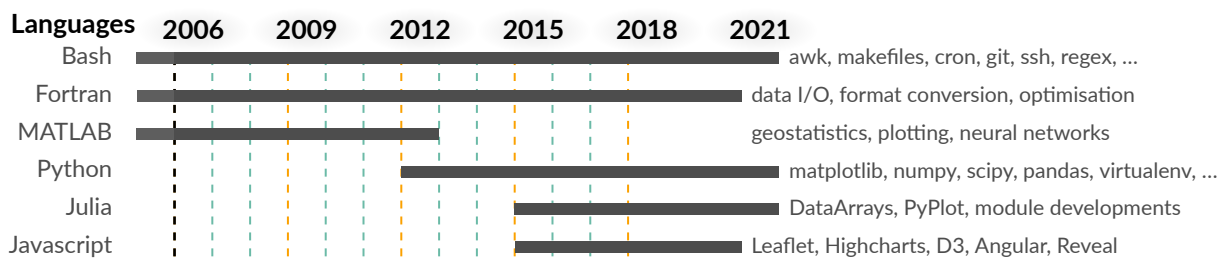
## Education



Engineering  
Fluid mechanics  
Aerodynamics  
Finite-element method  
Numerical simulations  
High-performance computing

## Technical skills

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



## 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) · 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