

Nolwenn Chauché de Gesnais

Personal and contact details

Le vieux Marigny, 58160 Sauvigny-les-bois
FRANCE

email: nolwennchauche@gmail.com
phone: +33 (0)6 25 47 58 29

Date of Birth: 06 January 1987

Nationality: French

Education

Oct 2011-2014

Aberystwyth University (*Wales, UK*)

PhD - Glacier-Ocean interaction at Store glacier (West Greenland)

Supervisors: Pr A. Hubbard (Glaciology), Pr J.-C. Gascard (Oceanography), Dr R. Bates (Geophysics)

"Study of the interaction processes, over an annual cycle, between a deep fjord and a major marine glacier in Uummannaq bay - West Greenland. Observation and Modeling of dynamics of processes to evaluate the response of the Greenland ice sheet to climate change."

2010-2011

Versailles St-Quentin University (*France*)

MSc - Interaction Climate Environment - Average mark: 80%

Dissertation project: "*Ocean-Glacier interaction in Uummannaq bay* - West Greenland"

"Identification of the processes of interaction between the ocean and the front of major marine glacier during two summer oceanographic survey of three fjords in Uummannaq bay. Modeling of the thermal flux to evaluate the submarine melting rate"

2005-2010

Marseilles University (*France*) - Distance learning

MSc & BSc- Sciences of the Matter

Option Physics & Chemistry

Dissertation projects: "Cause and effect of calving event of outlet glacier Humboldt - North Greenland"
"Hydrogen, solution to Energy crisis?"

2005

Centre National d'Enseignement à Distance (*France*) - Distance learning

Scientific Baccalaureat (equivalent to the Higher Leaving Certificate / A-level)

Specialty in Physics, Chemistry, Mathematics, Biology and Earth Sciences

* * *

Relevant Experiences

September 2011 - September 2013

Expedition "The long night survey 2012-2013"

Leader, Technical Manager and Scientific equipment Manager: *Development of partnership between Aberystwyth University (Wales, UK) and Pierre and Marie Curie University (Paris, France); Logistic and Scientifics management of a 14 months expedition in West Greenland on R/V Gambo, including an overwinter in a remote anchorage of Uummannaq Bay*

March 2009 - September 2010

Expedition "The West Greenland Cryospheric Survey 2009 & 2010"

Technical Manager and Research Assistant: *Skipper of R/V Gambo; Survey management; Installation and maintenance of scientific equipment*

Other Experiences

2008 - 2013

Captain of Research Vessel *Gambo*

Preparation, repositioning and maintenance of Research sailing Vessel *Gambo*; management of ice condition to fulfill Scientific objectives in West & North Greenland fjords; conduct of Oceanographic and Archeological surveys

2006-2007

Second Captain of Sailing Vessel *Vaihere*

Patagonia channels and Antarctic peninsula

1999-2006

Family journey on Sailing Vessel *Ivilia*

From France to South America via West Africa

Scientific Instruments

- * * *
- Acoustic Doppler current profiler (RDI instruments)
- Conductivity-temperature-depth profiler (Seabird & Midas)
- 3D Bathymetry survey (Bathyswath)
- Automatic weather station (Campbell)
- Level logger (Campbell & Solinst)
- Real time kinematic GPS (Leica & Trimble)
- Unmanned Airborne Drones (Skywalker)
- Time-lapse camera (Harbotronics)

IT Skills

- * * *
- Extensive knowledge of Scientific software: *Matlab, R-project, ArcGIS, Photoscan, Boujou*
- Advanced knowledge on Open Office, Microsoft Office, Adobe suite
- Basic skills on software development: *C++, Arduino*

Interests

- * * *
- Electronics and Mechanical design
- Astronomy & Astrophysics
- Weather prediction
- Marine and Terrestrial Biology
- Ecology & Renewable energies management
- Naval designing
- Sailing, diving, climbing, mountaineering...

Languages

- * * *
- Native: **French**
- Fluent: **English; Spanish**
- Basic: **Portuguese**