



## **20<sup>th</sup> INQUA Congress – Life on the Edge**

Congress report by:

**Mélanie WARY**

Postdoctoral fellow in the María de Maeztu Unit of Excellence at ICTA (*Institut de Ciència i Tecnologia Ambientals*) – UAB (*Universitat Autònoma de Barcelona*), Barcelona.

[Melanie.Wary@uab.cat](mailto:Melanie.Wary@uab.cat) / [melanie.wary@gmail.com](mailto:melanie.wary@gmail.com)

The 20<sup>th</sup> INQUA Congress was held in Dublin, Ireland, between 25<sup>th</sup> and 31<sup>st</sup> July 2019. The five major INQUA themes (Coastal and Marine Processes, Humans and Biosphere, Palaeoclimate, Stratigraphy and Chronology, Terrestrial Processes, Deposits and History) were addressed through plenary sessions, award lectures, and oral and poster presentations.

Covering a wide range of topics fitting with my research interests, I mostly attended sessions within the Palaeoclimate and Stratigraphy and Chronology themes. Among those, the most inspiring and motivational for me were the following sessions and plenary talks:

- “Abrupt changes in climate and ice sheets during glacial-interglacial cycles”
- “Arctic sea ice reconstructions and proxy development”
- “Orbital and millennial scale climate changes in ice, ocean and land: observations and model simulations”
- “Palaeoclimatic and oceanic evolution in the North Atlantic region since the Last Glacial Maximum – linking ice sheet, terrestrial and marine records”
- “Are North Atlantic ‘Heinrich Stadials’ cooling or warming events... or both?”
- “INTegrating Ice core MARine and TERrestrial records to understand climate variability on decadal to millennial timescales”
- The plenary talk from E. Wolff, entitled “New frontiers in ice core science”
- The plenary talk from Helen Bostock, “The Southern Ocean: an important control on global climate”

I also had the opportunity to present some of the results of my postdoctoral research through a communication entitled “The Nordic Seas - North Atlantic regional seesaw during the last glacial millennial climate events: new evidence from biomarkers” (session “Are North Atlantic ‘Heinrich Stadials’ cooling or warming events... or both?”); to discuss these results and work on the associated paper with some of my current collaborators; and to extensively talk about some other works with, hopefully, future collaborators.

Last, but not least, I also had the chance to meet in person, discuss and (thanks Maria Sanchez-Goñi!) take a picture with Hartmut Heinrich! ;-)

So for all of this, I would like to sincerely and warmly thank the AFEQ-CNF INQUA for their financial support!

Mélanie

