

Sujet de stage de M1 SOAC – 2017-2018 :

**Titre/Title : Assessing the strengths and weaknesses of sea level based AMOC proxies**

Objectifs et descriptions (quelques lignes) / Objective and Description (a few lines)

The Atlantic Meridional Overturning Circulation (AMOC) is crucial in maintaining the mild climate of northwest Europe. The AMOC has only been measured continuously since 2004, which is too short to determine long term changes. Proxy measurements by using tide gauge estimates of sea level have been proposed by a number of authors to extend our records of AMOC strength e.g. McCarthy et al., 2015; Ezer, 2015; Bingham and Hughes, 2009. However, these estimates differ and have never been compared rigorously. This project will compare these estimates to each other and climate indices to determine the strengths and weaknesses of each.

Accueil / Reception

**Laboratoire ou entreprise** /Laboratory or company

Nom du laboratoire ou de l'entreprise / Laboratory name:

ICARUS (Irish Climate Analysis and Research Unit),

Adresse /Address:

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