

# Observing and understanding the *Atlantic Meridional* Overturning Circulation



3-5 May 2017  
IUEM, Amphi A, Plouzané  
France




INSTITUT  
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lefe



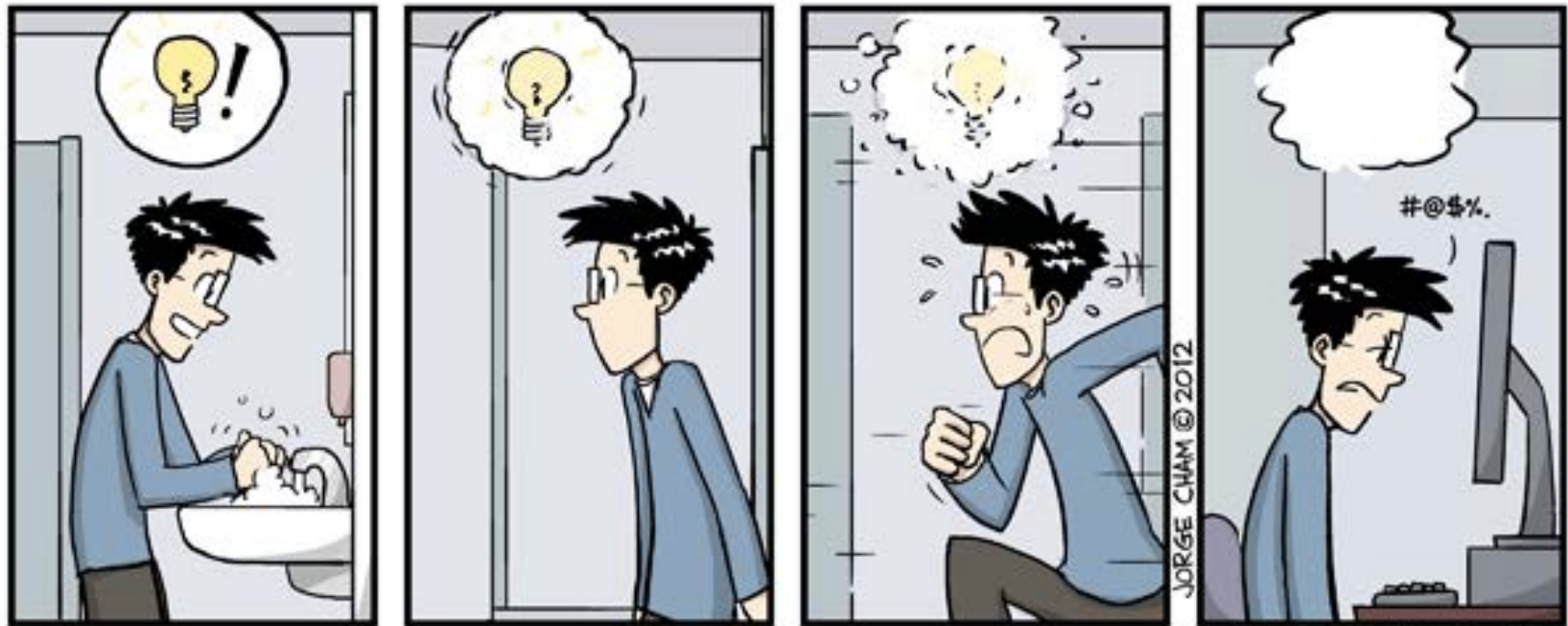
# Welcome!

- Presentation of the organising team
- 3-day workshop
- Shuttle every morning and evening
- Visit and Cocktail at Oceanopolis on Thursday night (shuttle included)
- Lunches: buffet in the main hall 
- Scientific posters in this main hall as well

# Welcome!

- CNRS/INSU LEFE-IMAGO axis:
  - LEFE: Les Enveloppes Fluides et Environnement
  - IMAGO: Interactions Multiples dans l'Atmosphère, la Glace et l'Océan
  - This axis focuses on **physical processes** within the climate system
  - Multi-disciplinary approach (remote and in situ observations, paleo-data, numerical and theoretical modelling)
- Annual events organised by LEFE-IMAGO on specific topics:
  - 2015: storm tracks and mid-latitude jet dynamics
  - 2016: ITCZ
  - **2017: AMOC**





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\*\*footnote: Bonus.

- This conference is a **brainstorming**, which aims at better understanding of the AMOC by crossing different approaches
- Ideally, this will help the emergence of new ideas, which could lead to innovative and ambitious projects (ANR, Europe (if no frexit...))

# Welcome!

- AMOC dynamics in the past, present and future
- Knowledge based on *in situ* observations, paleoclimatic reconstructions, theoretical and numerical modelling
- Five main sessions:
  1. Instrumental observations of the AMOC
  2. Paleo-climatic reconstructions of the AMOC
  3. Drivers of the AMOC: Theoretical approaches
  4. Lessons from numerical modelling of the ocean and climate for the AMOC dynamics
  5. Climatic impact and implications of AMOC variations

# Welcome!

- Time for discussion within each session (coffee and lunch break)!
- Discussion at the end of each session:
  - Free time to tell your constructive opinions, ideas...
  - What are the key locks and clues to unbolt them?
- General discussion on Friday:
  - Identification of key questions
  - Wrap up and synthesis on complementary approaches

