

# Pr. Anne-Claire BENNIS

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 Caen, France

## JOB EXPERIENCE

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- Sept. 2021 – Mar. 2024  
*Caen, France*      **UNIVERSITY OF CAEN NORMANDY (France)**, Research & Education  
Full professor in Fluid Mechanics and Coastal Dynamics (CNU 60)  
**- Visiting professor at VIMS (USA) from February to May 2024**
- Sept. 2012 – Aug. 2021  
*Caen, France*      **UNIVERSITY OF CAEN NORMANDY (France)**, Research & Education  
Assistant and Associate professor in Fluid Mechanics and Coastal Dynamics
- Jan. 2009 – Aug. 2012  
*Brest & Bordeaux, France*      **IFREMER/CNRS/UNIVERSITY OF WESTERN BRITTANY (France)**, Research  
Post-doctoral researcher in Coastal oceanography
- Oct. 2005 – Dec. 2008  
*Rennes, France*      **UNIVERSITY OF RENNES (France)**, Research & Education  
PhD student in applied mathematics and oceanography

## EDUCATION

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- 2017  
*Caen, France*      **Habilitation thesis in Physics (French accreditation for supervising research)**  
University of Caen Normandy, France
- 2008  
*Rennes, France*      **PhD in Applied mathematics**  
University of Rennes, France
- 2005  
*Poitiers, France*      **Msc in Computational mechanics**  
University of Poitiers, France

## LANGUAGES

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**English:** Advanced, **French:** Native

## ADMINISTRATIVE KEY FEATURES

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- Associate editor for Frontiers in Marine Science**, section: Coastal Ocean Processes, since 2024.
- Deputy director** of the **CNRS Research federation "SCALE"** (FR CNRS 3730) since 2022.
- Director of the 2<sup>nd</sup> year of the Msc program** in Computational mechanics of U. Caen since 2020.
- Appointed and delegated member** of the research and development committee of the French agency for the development of marine renewable energy since 2015.
- Co-head of the numerical modelling team** of the M2C lab. since 2021.
- Co-head of the hydro-morpho-sedimentary process team** of the M2C lab. (2016-2020)
- Member of 10 **recruitment committees** for the hiring of assistant/associate/full professors.
- Elected member of the board of directors** of M2C (2014-2020) and IRMAR (2006-2008) laboratories.
- Manager and administrative responsible of the research engineers** in coastal numerical modelling at M2C lab.
- Local responsible for the CNRS research networks "GDR EMR"** (2015-2020), "Eol-EMR" (2021-2026) et "CROCO" (2018-2023).
- Head and administrative responsible of the Cotentin HF radar site** since 2015.

## SCIENTIFIC KEY FEATURES

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**Principal investigator** and coordinator of the Cotentin HF radar site since 2015. Two phase-array WERA radars. **Principal investigator** and coordinator of 3 national research projects; **local scientific manager** for 10 research projects.

**Participation to 25 research projects**, including 5 international, 17 national and 3 local projects for a total budget of 166 020 k€.

Lead of 2 national projects supported by the French Navy (SHOM):

- **DEMLIT** (Modeling of the hydro-sedimentary cross-shore exchanges for the filling of estuaries in English Channel) – 2020-2025. Total budget: 412 000€
- **MORPHODUNES** (3D hydro-morpho-sedimentary modeling of sand dune migration on the continental shelf) - 2023-2026. Total budget: 299 000€

Lead of 1 national project supported by the French Agency for research (ANR):

- **HYD2M** (Impact of wave-current interactions and winter storms on the tidal energy estimate in Alderney Race) – 2016-2019. Total budget: 1 753 000€

Local responsible for one national big project, among others, supported by the French Agency for the environment (ADEME):

- **FLOWATT** (Implementation of a pilot tidal farm in Alderney Race) – 2025-2029. Total budget: 137 000 k€
- **Author of 34 papers in referenced journals, 25 papers in conference proceedings, 2 chapters in book, Co-editor of 2 books.**
- **Attendee in 86 conferences and seminars**, including 42 international conferences.
- **Reviewer** for several international journals of the oceanographic community (e. g. Ocean Modelling, Ocean Dynamics, Coastal Engineering).
- **President** of the scientific committee of the COAST2023 conference; Head of the international summer school ISSOR'17 and co-head of ISSOR'19; Member of the scientific committee of the new lab "Verti'Lab" ;
- **Scientific officer** in charge of physical oceanography at the French-Japanese society of Oceanography and member of the scientific committee.
- Involved in the scientific or organization committee of 5 international conferences and 2 international summer school.
- **Director of 7 PhD** thesis whose 3 already defended; Member of jury **14 PhD Defenses and 2 Habilitation Thesis Defenses.**
- **Supervisor of 13 post-doctoral** researchers for a cumulative duration of 221 months (equivalent to ~ 6 PhD of 3 years).

## FIELD EXPERIENCES

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**In charge of high-frequency radar field instrumentation** at the Goury and Jobourg sites (Normandy, France), for real-time measurement of the hydrodynamics of Alderney Race since 2015.

- drafting of technical and commercial instructions,
- responsible for the call for tenders,
- responsible for and co-drafting of applications for authorization to work on classified sites and building permits,
- site supervision, data processing, scientific achievements, publications.

## TEACHING

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Teaching at the University of Caen Normandie: **220 h per year** since 2012 except for 3 years (2015-2016 and 2023-2024 and 2024-2025) limited to 96 h per year.