

Interreg/EU	Caen	Le Havre	Plymouth	OFELIA: Offshore Foundations' Environmental Impact Assessments
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Job Title: Interreg IVA project OFELIA: postdoctoral research assistant (PDRA) in coastal modelling.

Salary Grade: 26,000-29,000 euros

Location: Principally in Caen University; with a stay towards the end at Le Havre University, and research visits to Plymouth University, UK.

Start date: as soon as possible, and in January 2014 at the latest.

Type of contract: Fixed term contract lasting 15 months.

Description of Project:

The OFELIA project seeks to establish a cross-channel research collaboration to improve our understanding of the environmental impacts of offshore wind farm foundations. The three partners in this project, namely Caen University, Le Havre University, and Plymouth University (project coordinator), will work closely together to address the following questions:

- Database of: available reports and datasets at existing, under construction, and planned wind farm sites within the Channel zone.
- Physical modelling of local hydrodynamics and sediment transport processes at the scale of the monopile.
- Determination of appropriate parameterisations of local scale processes for regional models.
- Assessment of regional model performance for different local scale parameterisations.

The project will benefit from expert in-kind advice from M. Gross (Met Office and Cambridge University, UK) on the numerical modelling deliverables.

Three postdoctoral positions are available, each associated with one of the three OFELIA partner institutions. Links to the other two adverts can be found at the bottom of this page. The other positions focus primarily on the physical modelling deliverables of OFELIA.

Technical Deliverable for this position: Regional modelling of offshore foundations' environmental impacts. Analysis of model performance with different parameterisations of local scale processes.

Competences and skills sought for PDRA based in Caen University:

Coastal regional modelling (Delft3D, MARS3D, ROMS), wave modelling (WWIII, SWAN), programming skills (Fortran 90), sediment transport, coastal morphodynamics.

Person specification:

We seek to appoint a research assistant, with a recently obtained PhD or equivalent experience, to contribute to the following deliverables of OFELIA:

- **Regional modelling of offshore foundations' environmental impacts. Analysis of model performance with different parameterisations of local scale processes.**
- Cooperation with two other PDRAs on synthesis of experimental results and assessment of parameterisations to be implemented within regional models
- Organization of workshops, meetings and conferences within OFELIA
- Preparation of project dissemination materials for different target audiences, e.g: researchers, stakeholders, policy makers or politicians, and school children
- Contribution to reports, conferences abstracts, conference proceedings and peer-reviewed publications.
- Attendance to conferences, Interreg events, outreach events, and workshops, for OFELIA project promotion and dissemination, as and when necessary

As the project is funded by the European Regional Development Fund, the candidate will be willing to travel regularly on cooperation missions to the Universities of Plymouth and Le Havre, with stays lasting from a few days to a few weeks. Ideally the candidate will have experience working in international multidisciplinary teams, and be prepared to work to tight deadlines.

Main advisors: A.-C. Bennis³ (anne-claire.bennis@unicaen.fr)

V. Magar² (vmagar@plymouth.ac.uk)

External and other advisors: N. Abcha³, J. Brossard¹, D. Conley², E. Ellis², A. Ezersky³, D. Greaves², M. Gross⁴, G. Iglesias², K. Littlewood², J. Miles², D. Mouaze³, G. Perret¹, G. Pinon¹, D. Simmonds²

¹: Le Havre University; ²: Plymouth University; ³: Caen University; ⁴: Met Office

How to apply: Please send a CV, a letter of motivation (up to one page long), and the names of two potential referees, to hr@plymouth.ac.uk

For informal enquiries please contact: Dr Vanesa Magar vmagar@plymouth.ac.uk

Receipt of Applications: Applications will be received up to 31st October 2013. Interviews are expected to take place in the 2nd or 3rd week of November.

For more information on the two additional OFELIA positions, please visit:

- [Link to Le Havre advert](#)
- [Link to Plymouth advert](#)