Geologic Carbon Storage

A Marie Curie Initial Training Program

Two fully-funded PhD project available as part of the FP7 Marie Curie Initial Training Network CO2-React.

Supervisors: Prof. Liane G. Benning and Dr. Caroline L. Peacock

About CO2-React

CO2-React is a FP7 Marie Curie Initial Training Network (ITN) that aims to significantly advance our understanding and our ability to store CO2 in the subsurface, through the combined efforts of expert European industrial and academic research teams working in different sectors but in related fields. The project will be the first to explore the fate and consequences of CO2 injections from the atomic to the field scale by combining observations of real rock cores, with detailed experiments exploring mineral-fluid interaction, and computational studies and fundamental theory to understand dissolution, precipitation and mass transport in the subsurface.

The training objective of CO2-REACT is to equip the next generation with innovative, multidisciplinary backgrounds for careers addressing the challenges of carbon storage in industry and academia.

Details about all CO2-react opportunities and specifics about the two Leeds based Early Stage Research (ESR) fellowships can be found at http://www.see.leeds.ac.uk/co2react/opportunities.htm.

Additional information specifically about the Leeds project can be requested through direct enquiries with Prof. Liane G. Benning, tel +44 (0)113 343 5220, email **l.g.benning@leeds.ac.uk**

Salary based on EU regulations will be paid in Sterling using an appropriate conversion rate.

Application deadline is Oct 1st 2013

Eligibility Criteria:
(a) Marie Curie criteria: The student must be a non UK-national and must not have resided in the UK for more than 12 months in the 3 years immediately prior to the start date of the PhD (approximately 01 Oct 2012). The student must have less than 4 years of research experience since completing their BSc or MSc degree.

(***b) University of Leeds Criteria***: a 1st class BSc/MSc in Earth sciences, chemistry, or material sciences in all cases ideally with a strong mineralogical and/or physico-chemical background; high grades in IELTS or TOEFL English language certificates;

To Apply please complete the University of Leeds application form at https://studentservices.leeds.ac.uk/pls/banprod/bwskalog_uol.P_DispLoginNon.

Instructions for completing the form: After creating an application account, complete Sections A to L. In Section C detail your English language proficiency. In Section D, please answer ***No*** to whether you will be paying your own fees and maintenance costs, and the Sponsor is "MINSC Marie Curie Initial Training Network". In Section K, the proposed start date is 01 October 2012. Finally, in Section L, please enter the title of the PhD project and the information about the project as presented above in "About this PhD Project".

In addition to the application form, you will also need to upload your

- A full CV
- Degree transcript(s) (i.e., official degree certificate(s) and an official list of attended modules/courses with marks)
- English language proficiency certificate(s)
- A statement of motivation indicating why you are attracted to the project and how your experience to date relates to the project aims and objectives (maximum 2 sides of A4)
- References from at least two referees.

Further Information
For further enquires please contact Prof. Liane G. Benning; full details about CO2-React are available at http://www.see.leeds.ac.uk/co2react/index.htm .

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