Maretec
Marine Environment and Technology Center

MARETEC is looking for an marine environmental modeller with programming skills, to join and expand our coastal & ocean modelling team (posted on 2011-06-05)

MARETEC (www.maretec.org) is now launching several different operational coastal models (in forecast/nowcast) in order to provide answers to national and international R&D projects covering estuarine, coastal and ocean management. The research area is predominantly focussed on the Portuguese Coast and Lisbon (Tagus) region, but several other areas are likely to feature in the research.

The work will include the development, application and / or evaluation of (new or already implemented) coastal model solutions (some of them in operational mode) in terms of response to a wide range of answers, including hydrodynamics, sediments transport, impacts of discharges to the marine environment, biochemical and ecological processes to different environmental drivers, oil spill planning, and coastal management. Therefore, expert knowledge of ocean, coastal or estuarine modelling (in any of the following processes: hydrodynamics, sediment transport, water quality / marine biogeochemical processes, waves, oil spills) is needed.

The modeller will have to work with MOHID Water modelling system (www.mohid.com) as the main modelling tool. MOHID is coded in FORTRAN 95 running on Windows environment (MOHID also runs on Linux, but the main model interfaces used in MARETEC are built in Windows environment). The implemented model applications are being implemented in operational mode, using in-house built software tools in .NET (VB.NET and C#.NET) platform. Thus programming in FORTRAN language is essential and in .NET platform (VB.NET, mainly) will be advantageous.

You will also be involved in the evaluation of simulations using sophisticated metrics, presentation of results to a variety of stakeholders and in the production of results and reports to answer the deliverables of the running R&D projects. Results should also be published in the peer reviewed literature. Following this, good communication skills – both written and oral, are also an advantage.

Other attributes taken in account:

- Ability to work well in a team and independently;
- Good organisational skills and able to multi-task;
- Dynamic and proactive personality.
- Good client service focus;
- Strong interest in environmental modelling, and preferably some experience

Details:
- We are ideally seeking candidates with a first degree, Master's degree or PhD in Oceanography, Environmental Engineering, or similar relevant subjects (other degrees are accepted, since some type of experience with hydro-environmental modelling is present).
- The position will be integrated as research fellow, supervised by Prof. Ramiro Neves.
- Net monthly salary is between 1000-1500 €, depending on candidate's curriculum, experience and profile.
- The appointment is full-time, and the time period is 12 months minimum, depending on the integration and performance level of the candidate.

Contact Information:

To apply, please email your **CV** (and a motivation letter if you want) to work@maretec.org. Candidate competition will remain open until a close opportunity/skills match is found.