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Research Topic

Project title: Wind & wave forecast for farm O&M

Related Work Packages: WP5 – Offshore farms design, deployment and O&M

Short Biography

I am a 23 years old French guy. I graduated from École Centrale de Nantes in November 2013, with a specialization in Hydrodynamics and Ocean Technologies. I am very interested in the offshore renewable energy sector, and I hope I will be able to considerably improve my knowledge of the offshore wind industry within the OceaNET project.

Publications

Not yet !

Current Research

WavEC has its own time-domain code to model the behavior of a structure (buoy, platform, vessel, etc.) on the ocean. I am currently implementing a module to model the effect of a wind turbine on its supporting platform. Further improvements will include an accurate model of the mooring system and the extension of the code to a large number of FOWT. The objective is to forecast the power production of offshore wind-farms in order to optimize the costs of farm O&M.

Supervisor

Professor António Sarmiento