



Ciências
ULisboa

Engenharia Geográfica,
Geofísica e Energia

SEMINÁRIO

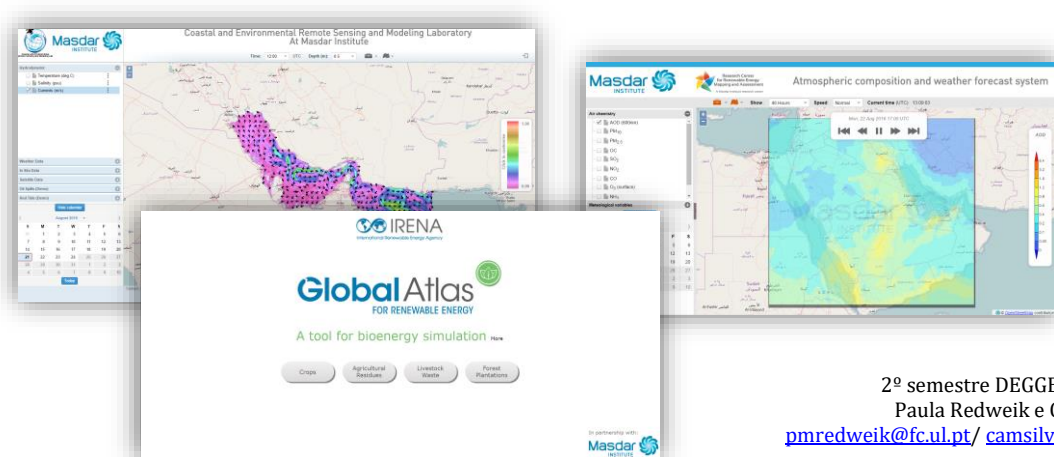
5ªF 20 de abril, 12h00 – 13h00 Sala C8.2.47

" Gis foss based products in renewable energy mapping and assessment."

Luis Calisto - Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente

The Research Center for Renewable Energy Mapping and Assessment (RECREMA) is a research center in Masdar Institute, UAE, created with the mission to generate spatial and temporal data on renewable energy. To help the achievement of its goals RECREMA created a powerful Spatial Data Infrastructure (SDI) based in open source and open standards. On the top of this SDI several GIS based projects are emerging. The UAE Solar atlas, the UAE Solar Technology Simulator, the UAE wind atlas and the Gulf Earth portal are some examples. Also available are a real time tool that shows real time solar maps every 15 minutes and a mobile app. Recent developments include a real time dust monitor tool for the Arabian Peninsula, and the IRENA Bioenergy Simulator.

The usage of open source GIS in renewable energy, more specifically in RECREMA, Masdar Institute, is a key feature in order to provide accurate GIS data worldwide.



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