

World Conference on

Climate Change

October 24-26, 2016 Valencia, Spain

Use of satellite imagery, remote sensing and GIS related technologies to improve sustainability of marine ecosystems. Special reference to Copernicus/MyOcean program

Jordi Sandalinas

Toulouse 1 Capitole University, France

Remote sensing is understood as a hardware association related to Satellite Earth Observation technology and Earth Observation activities are those identified with the use of remote sensing equipment to provide data on earth observation and global climate change. For Earth observation satellites, technological advancements will lead to better resolution, increase in observation area and reduction in access time, i. e time taken between the request of an image by the user and its delivery. Plans for future missions and instruments include entirely new types of measurement technology, such as hyperspectral sensors, cloud radars, lidars and polarimetric sensors that will provide new insights into key parameters of atmospheric temperature and moisture, soil moisture and ocean salinity. Several new gravity field missions aimed at more precise determination of the marine geo id will also be launched in the future. These missions will also focus on disaster management and studies of key Earth System processes – the water cycle, carbon cycle, cryosphere, the role of clouds and aerosols in global climate change and sea level rise. Effectively, in this regard the so-called Group on Earth Observations gathered different member countries and non-governmental entities aiming to provide for initiatives beneficial for the humankind by applying also a global system of systems named the Global Earth Observation System of Systems.

Biography

Jordi Sandalinas is a PhD Candidate at University of Toulouse 1 Capitole and serves as an External Research Assistant for the Space Institute of Research, Innovation and Uses of Satellites. He has participated in many lectures related to space law and published articles in this regard. He also obtained in 2012 an award of the Best Legal Communication during the Toulouse Space Show Symposium. He is the Founder of Sandalinas Advocats and Image Sea Solutions, an environment consultant company devoted to marine environment protection and risk prevention.

jordi@sandalinas.com

Notes: