

Ester Jerusalén Lleó
University of Vigo
Nationality: Spanish

Orientation: Ocean Observation and Global Change
Specialization Area: Ocean Observation
Research Area: 1.1 Physical Oceanography



PhD project: **Servicios ecosistémicos prestados por la materia orgánica disuelta en los océanos**

Supervisors: Dr. Xosé Antón Álvarez Salgado (CSIC - IIM)
Dr. María del Mar Nieto Cid (IEO)

Summary: Dissolved organic matter in the oceans (DOM) is one of the largest existing reservoirs of reduced carbon in the Earth system, despite its size and importance in the marine environment, both its chemical composition and molecular structure and therefore its role in ecosystems have been scarcely studied. With my doctoral thesis I study the ecosystem services provided by the DOM, such as climate change mitigation, UV radiation absorption or reduction of heavy metal pollution, all of which are exacerbated by accelerating climate and global change. I develop my research in the Institute of Marine Science (IIM), in the Department of Oceanography within the Laboratory of Organic Geochemistry (LGO)

