



SCIENTIFIC & TECHNICAL THEMES

1. MISSIONS, SATELLITES, SENSORS

New Technical Developments, Instruments & Sensors, Data Analyses & Synergies
Novel Issues, e.g. Polarimetry and Lidar Analyses, Sea Surface Salinity, Acidification
Satellite Constellations, Multi-Mission & Multi-Sensor Approach, Cube-Sats/Small-Sats

2. MODELS, ASSIMILATION, CAL/VAL

Modelling & Data Assimilation at large, Assimilation of Ocean Data into Global Models
Assimilation of Numerical Model Data to Derive New Products from Space
Uncertainties & Validation, In Situ Technologies, New Calibration Approaches

3. REGIONAL & PLANETARY ISSUES

Ocean Basins, Arctic Ocean, Antarctica
Continental Waters, Marginal & Enclosed Seas, Sea Level Rise
Interfacing Research on the Earth Oceans and Oceans on Exoplanets

4. SURFACE PROCESSES, COASTAL ISSUES, EXTREME EVENTS

Ocean-Atmosphere Exchange & Coupled Modelling
Wind & Waves, Total Surface Current Velocity (Doppler Oceanography)
Global Coastal Ocean, Coastal Waters (Wetlands, Estuaries), Coastal Hazards

5. BIO-GEO-CHEMICAL ISSUES, POLLUTION AGENTS & PROCESSES

Aquatic Carbon from Space
Biodiversity, Floating Vegetation in the Global Ocean
Marine Pollution (Plastics, Hydrocarbons, Coastal Runoff), Marine Debris Monitoring

6. SOCIETY, POLICY, ECONOMICS

Science & Society: Links to Management & Policy, Support to Decision Making
Valuation of Coastal and Marine Ecosystems (Ecosystem Services), Economic Issues
Involving Early-Career Researchers, Space Technologists, Emerging Countries Scientists

★ **The “Venice Syndrome”** (Near-Coastal Areas at Risk from Hazards, e.g. Sea Level Rise)

★ **The Covid-19 Pandemic** Seen from Space: Oceans' Response

★ Coupling **Space Science & Citizen Science**

★ **UN Decade of Ocean Science for Sustainable Development (2021-2030)**