

| Structure and Assignments | | | | | | | | | | |
|---|-----------------------------|-----------------------------|------------------|--------------------|----------------------|-------------------|---------------------|------------------------------------|---------------|----------------------------|
| | | | | | | | | | | |
| About the Oceans & Coastal Areas | Contributors | Geography Crosslinks | | | | | | | | |
| <ul style="list-style-type: none"> how oceans were formed - an overview of physical, chemical and biological processes responsible for the birth and evolution of the oceans | Project Manager/HDNO | | | | | | | | | |
| <ul style="list-style-type: none"> how oceans are changing - ongoing physical changes, tectonic movements & volcanic activity, research foci | | | | | | | | | | |
| <ul style="list-style-type: none"> maps and statistics - a collection of maps and statistics on oceanic geography, islands, shelves, ocean depths, troughs | | X | | | | | | | | |
| <ul style="list-style-type: none"> ocean dynamics - coastal and ocean currents, winds, waves, tides, mechanisms, research foci | | X | | | | | | | | |
| <ul style="list-style-type: none"> physical and chemical properties - oxygen, temperature, salinity, radioactivity, etc.; surface, at depth, isotherms, seasons, relation to climate | IAEA | X | | | | | | | | |
| <ul style="list-style-type: none"> ocean/atmosphere interface - the role of oceans in climate, weather and storm generation, marine weather forecasts, temperature flows, carbon sink, etc. | WMO/IOC | X | | | | | | | | |
| <ul style="list-style-type: none"> biology - from plankton to whales, corals, fish, birds, plants, biodiversity, research foci | | X | | | | | | | | |
| <ul style="list-style-type: none"> ecology - food chains, habitats, ecosystems, research foci | | X | | | | | | | | |
| <ul style="list-style-type: none"> linkage to land - river basins, estuaries, flows | | X | | | | | | | | |
| <ul style="list-style-type: none"> monitoring & observing systems - methods used and technologies being developed. | IOC/WMO | X | | | | | | | | |
| <ul style="list-style-type: none"> research - includes current and future research foci (including recent discoveries) and research organisation | | X | | | | | | | | |
| <ul style="list-style-type: none"> education and training - capacity building, public education, marine extension, training, training mtls, professional dev. | | X | | | | | | | | |
| <ul style="list-style-type: none"> international cooperation - institutions, mechanisms and agreements to facilitate cooperation to study, manage and preserve the oceans. | | X | | | | | | | | |
| <ul style="list-style-type: none"> the oceans of the future - futuristic assessment of ocean use, technology, risks and opportunities. | contractor futurist | | | | | | | | | |
| | | | | | | | ISSUES | | | |
| | | | | | | | | | | |
| <i>Uses / Issues / Contributors / Lead Agencies</i> | <i>Lead Agency for Line</i> | <i>Climate Change</i> | <i>Economics</i> | <i>Emergencies</i> | <i>Food Security</i> | <i>Governance</i> | <i>Human Health</i> | <i>Pollution & Degradation</i> | <i>Safety</i> | <i>Sustainable Develop</i> |
| Lead Agencies for Issue | | WMO/Proj. Mgr. | | IMO/WMO | FAO | DOALOS/FAO | WHO | IOC/IAEA/IMO/UNEP | IMO/WMO | UNDESA |

The UN Atlas of the Oceans

John Everett, 7 March 2001

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| uses | Fisheries and Aquaculture (includes marine mammals and plants)- including resources, technology, production, processing, utilisation, trade, governance | FAO | FAO/ UNEP | FAO/UNEP | FAO/IMO/IOC | FAO | FAO/DOALOS | FAO | FAO/UNEP/IAEA/ IMO | FAO | FAO/UNEP/IAEA/ IMO |
| | Recreation & Tourism - including fishing, boating, swimming and other recreation, tourism, infrastructure development, management approaches | WTO, UNEP | UNEP, WMO | IMO/UNEP | IMO, WMO | N/A | WTO, WMO | UNEP/WHO/ UNCHS/WTO | IMO/UNEP | WTO/WMO | IMO/UNEP |
| | Transportation and Telecommunication - including shipping, pipes, cables, navigation, port infrastructures, shipping rules, safety at sea, routes, congestion, accidents, governance, trends. | IMO | IMO/WMO/ IOC | IMO | IMO/WMO | WMO | IMO | IMO | IMO | IMO/ WMO | IMO |
| | Human Settlement on Coast - including coastal urbanization and development, destruction of habitats and other physical alterations | UNEP/UNCHS | UNCHS, WMO | UNIDO/WHO | IOC/WMO | FAO/UNCHS/ WMO | UNIDO/UNEP /UNCHS/IOC | UNCHS | UNIDO/WHO | UNCHS/ WMO | UNEP/UNIDO/ WHO/UNCHS |
| | Offshore Oil, Gas and Mining - including extraction of oil, gas, gravel, sand, minerals, fresh water | UNDOALOS/ IOC/ IMO | WMO | IMO | WMO | | IMO | | IAEA | IMO, WMO | IMO |
| | Energy - including conversion of tidal, wave, thermal (OTEC), salinity and wind energy | Project Manager | | Project Manager | | | | | | | Project Manager |
| | Pharmaceuticals (and other marine products from biotechnology) | WHO | | FAO | | FAO | | | | | |
| | Non-consumptive uses - including clean water, endangered species, reserves, habitats, viewing of nature, aesthetic values and amenities | UNEP, IUCN | | UNEP, IUCN | | | IMO | | | | UNEP, IUCN |
| | Ocean dumping & ship wastes - ocean dumping, sewage outfalls, ship waste | IMO, IAEA | | IMO, IAEA | | | | | IMO, IAEA | IMO | IMO, IAEA |
| | Disposal of waste from land - including sewage outfalls, non-point sources, CO2 sink | UNEP, IAEA, IOC, WMO | | IAEA | | | | WHO | IAEA | | UNEP, IAEA, IOC, WMO |
| <p>Content under Issues →</p> | | | Includes Agency program role and origin, trends and effects of climate change and adaptations to reduce impacts and seize opportunities. Addresses temperature, sea level rise, ice changes, currents, storminess, disease, algal blooms, outlook, and institutions. | Includes Agency program role, economic issues, and institutions. Includes economic yield and rent, poverty reduction, investment, profitability, economic incentives and disincentives, projections. | Includes Agency program role, dramatic and mostly unexpected events impacting ocean activities, harmful algal blooms, storms, hurricanes, tsunamis, search and rescue systems, warning and aid institutions, research foci, projections | Includes Agency program role and all aspects related to access and availability of seafood from capture fisheries or aquaculture and related problems including poverty. | Includes Agency program role, institutions and processes, Law of the Sea and other protocols, policies, laws and regulations, CZM, use rights, jurisdictions, illegal activities, crime, monitoring and surveillance, role of science, dispute resolution, trends. | Includes Agency program role, pollution, water borne diseases, food quality and contamination, invasive species, contingency planning, environmental modification and algal blooms. Includes institutions, research foci, projections. | Includes Agency program role, ocean dumping, atmosphere-borne, nutrient loading, non-point source. Includes institutions, research foci, projections. | Includes Agency program role, risks for people resulting from oceans characteristic s and uses, and safety of persons and enterprises. Includes safety at sea, accidents, storms, safety standards. Includes institutions, research foci, projections | Includes Agency program role, all the issues related to sustainable and responsible conduct in using the oceans. Includes legal and policy issues, indicators, status and trends, institutions, research foci, management techniques, and projections. |