Our oceans cover more than 70% of the earth’s surface and serve as the most diverse and important ecosystem. However, biodiversity and global food security is threatened by over-extraction and pollution. To address these threats, DHI is an advocate for Sustainable Development Goal #14 - Life Below Water, developed by The United Nations to ‘conserve and sustainably use our oceans, seas, and marine resources for sustainable development’.

Do you want to better understand complex ecological problems? Would you like to predict the consequences of impacts? What if there’s a way to replace the loss of valuable natural resources?

Opportunities and challenges
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How DHI can help
DHI is your partner for sustainable marine and coastal development, resource exploration, ecological restoration and conservation. Our ecosystem-based approach addresses biological, spatial and organisational relationships backed by advanced modelling technology and monitoring data including satellite imagery. This experience enables us to bridge science and policy by facilitating communication between government bodies, your business and stakeholders.

Integrated solutions
- Protect biodiversity in ocean and coastal habitats with compensatory mitigation
- Secure regulatory clearance, permit and licensing with trusted EIA support
- Rely on development and monitoring support for marine strategies and policies
- Ensure regulatory compliance with Environmental Monitoring and Management Planning (EMMP)
- Secure a sustainable and healthy sea food production
- Power your ocean water decisions using state-of-the-art ecological tools

Core technology

MIKE ECO Lab
Investigate water quality concerns and their potential ecological impact

ABM Lab
Simulate the dynamic behaviour of aquatic life and their interactions with the environment

MIKE 21/3 Oil Spill
Quantify and visualise the risks and potential impact of an oil spill on the environment

MIKE 21/3 Mud and Sand Transport
Simulate erosion, transport, settling and deposition of mud or sand

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