

## What is Ocean Policy?

### THE RIPPLE EFFECT

Backgrounder  
Grades 9 - 12



### What is Ocean Policy?

Oceans, seas and **cryosphere**, the frozen part of the earth's water (National Ocean Service, 2021), play a vital role in sustaining life on earth. Without these, we cannot live on this planet (see Figure 1). Therefore, their protection is essential to life on earth. **Ocean policy** involves the set of policies that dictate how we manage the oceans – such as marine life, marine and other trades, ocean engineering, economics, renewable energy, climate change and various other fields and industries related to the oceans (Massachusetts Institute of Technology, n.d.).

Oceans span across the globe and connect different countries. The territorial waters are the water bodies that fall within the jurisdiction of a country, and therefore, that country governs the management of those waters. However, “**international waters** are areas of the sea or ocean that are too far out to fall under any nation's jurisdiction” (Naylor Law, 2019). Therefore, it is important to have international governance in place for effectively managing international waters.

**International ocean governance** therefore, refers to the laws, processes, agreements, rules, and institutions in place to dictate human use of the oceans and its resources outside of the territorial waters of countries, often referred to as the international waters, or the global high seas and the international seabed area or the

areas beyond national jurisdiction (see Figure 1) (International Union for Conservation of Nature, 2021). Through various conventions, the United Nations exercises power over the international waters (Naylor Law, 2019).

The United Nations through its environmental body, the **United Nations Environment Program** (UNEP), works towards conserving all nature, including the protection of world's marine and coastal environments (UN Environment Programme, 2021). However, as these international waters are outside of the national jurisdiction of countries, they have historically been hard to protect. This has led to overexploitation, pollution, excessive resource extraction and habitat degradation, which has led to severe undermining of earth's vital support systems (International Union for Conservation of Nature, 2021).

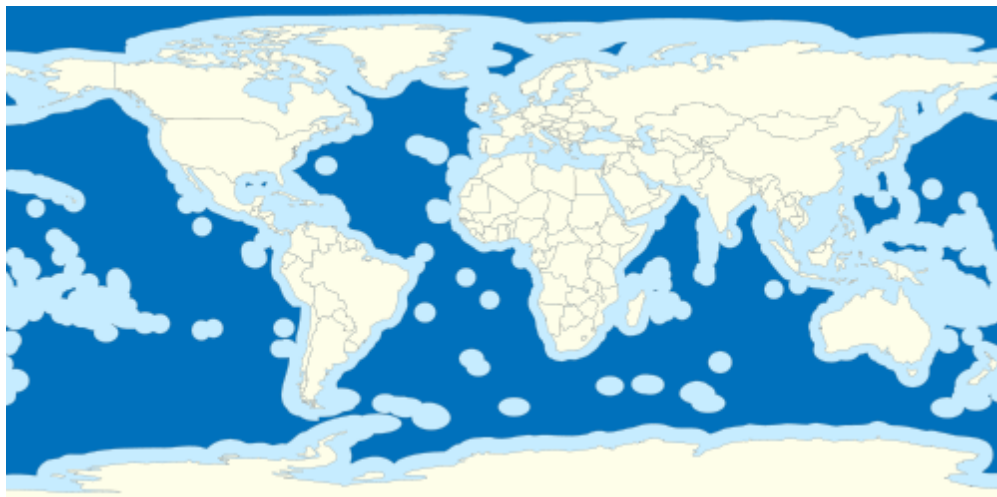
In the wake of this environmental degradation and overexploitation of oceans, exacerbated by climate change, in 2015 the United Nations released its 2030 Agenda for Sustainable Development, which includes 17 **Sustainable Development Goals** that aim to end poverty, improve health and education, reduce inequality, tackle climate change and to preserve oceans and forests (see Figure 2) (United Nations Department of Economic and Social Affairs, 2021).

Figure 1: Our World Ocean



Source: (IISD, 2021)

Figure 2: The Global High Seas and Area (in Dark Blue)



Source (International Union for Conservation of Nature, 2021).

The UN Sustainable Development Goals have been adopted by all the United Nations Member States, with the aim “to provide peace and prosperity for people and the planet, now and into the future” (United Nations Department of Economic and Social Affairs, 2021). In particular, the United Nations Sustainable Development Goal number 14 aims to protect oceans and marine life – i.e., to conserve and sustainably use the oceans, seas and marine resources (United Nations, 2021).

**Figure 3: United Nations Sustainable Development Goals**



Source: (United Nations, 2021).

Waters that fall within the jurisdiction of a country are subject to that country's national laws. These are generally referred to as **territorial waters**. However, because oceans connect us all and climate change impacts everything in nature, it is important to have mechanisms and processes in place to ensure all countries are cooperatively working towards the protection of oceans and marine life. The United Nations plays that role of bringing all countries to one table and setting global standards for protection of the people and planet, so that all countries can be held accountable. Canada, as a United Nations Member State, has also adopted the United Nations 2030 Agenda for Sustainable Development.

## Canada's Management of Oceans and Marine Life

Canada is a unique country as it has the longest coastline in the world (Pariona, 2019). Canada is bordered by three oceans, the Pacific, the Arctic and the Atlantic. Because of its longest coastline and being bordered by three oceans, Canada is greatly influenced by these oceans, and the impacts of climate change on oceans and coastal communities are deeply concerning for Canada (Natural Resources Canada, 2015).

Canada's oceans are safeguarded and managed by the federal institution of Fisheries and Oceans Canada, ensuring

healthy and sustainable aquatic systems and supporting economic growth in the marine and fisheries sectors (Fisheries and Oceans Canada, 2021).

Together with the Canadian Coast Guard, Fisheries and Oceans Canada work in over 400 locations across Canada to achieve their four core responsibilities, these include (Fisheries and Oceans Canada, 2021):

- Protection and management of Canada's fisheries, including aquaculture, and supporting Indigenous peoples livelihoods in these communities
- Protecting aquatic ecosystems
- Maintaining waterways for marine navigation
- Marine operations and response to incidents

The key pieces of legislation that dictate Fisheries and Oceans Canada's work in the management of and all affairs related to oceans include, the *Oceans Act*, the *Fisheries Act*, the *Species at Risk Act*, the *Coastal Fisheries Protection Act*, the *Canada Shipping Act (2001)*, and the *Fishing and Recreational Harbours Act* (Fisheries and Oceans Canada, 2021). To learn more about these legislations, click [here](#).

## Glossary

**Cryosphere** is the frozen part of the earth's water

**International waters** are areas of the sea or ocean that are too far out to fall under any nation's jurisdiction

**International ocean governance** refers to the laws, processes, agreements, rules, and institutions in place to dictate human use of the oceans and its resources outside of the territorial waters of countries

**Ocean policy** involves the set of policies that dictate how humans manage the oceans and its resources – such as marine life, marine trade, ocean engineering, trade, economics, renewable energy, climate change and various other fields and industries related to the oceans

**Sustainable Development Goals** are 17 goals defined by the United Nations that aim to ending poverty, improving health and education, reducing inequality, tackling climate change and working to preserve oceans and forests

**Territorial waters** are waters that fall within the jurisdiction of a country and are subject to that country's national laws

**United Nations Environment Program** is a body of the United Nations that works towards conserving all nature, including the protection of world's marine and coastal environments

## Bibliography

- Fisheries and Oceans Canada. (2021). *Fisheries and Oceans Canada* . Retrieved from Fisheries and Oceans Canada : <https://www.dfo-mpo.gc.ca/index-eng.html>
- Fisheries and Oceans Canada. (2021). *Mandate and Role*. Retrieved from Fisheries and Ocean Canada: <https://www.dfo-mpo.gc.ca/about-notre-sujet/mandate-mandat-eng.htm>
- IISD. (2021). *The Rising Pressures on Ocean Governance*. Retrieved from IISD: <https://www.iisd.org/articles/rising-pressures-ocean-governance>
- International Union for Conservation of Nature. (2017). *The Ocean and Climate Change*. Retrieved from International Union for Conservation of Nature: <https://www.iucn.org/theme/marine-and-polar/our-work/international-ocean-governance>
- International Union for Conservation of Nature. (2021). *International Ocean Governance*. Retrieved from International Union for Conservation of Nature: <https://www.iucn.org/theme/marine-and-polar/our-work/international-ocean-governance>
- Massachusetts Institute of Technology. (n.d.). *Ocean Policy*. Retrieved from Oceans at MIT: <http://oceans.mit.edu/research/ocean-policy.html>
- National Ocean Service. (2021). *What is the cryosphere?* Retrieved from National Ocean Service: <https://oceanservice.noaa.gov/facts/cryosphere.html>
- Natural Resources Canada. (2015). *Oceans*. Retrieved from Government of Canada: <https://www.nrcan.gc.ca/changements-climatiques/impacts-adaptation/oceans/10405>
- Naylor Law. (2019). *What are the laws for International Waters?* Retrieved from Law Offices of Charles D. Naylor: <https://naylorlaw.com/blog/international-waters-laws/>
- Pariona, A. (2019). *The Coastline Of Canada, The Longest In The World*. Retrieved from World Atlas: <https://www.worldatlas.com/articles/the-coastline-of-canada-the-longest-in-the-world.html>
- UN Environment Programme. (2021). *Oceans and seas*. Retrieved from UN Environment Programme: <https://www.unep.org/explore-topics/oceans-seas>
- United Nations. (2021). *Sustainable Development Goals*. Retrieved from Goal 14: Life Below Water: <https://www.un.org/sustainabledevelopment/oceans/>
- United Nations Department of Economic and Social Affairs. (2021). *The 17 Sustainable Development Goals*. Retrieved from United Nations: <https://sdgs.un.org/goals>