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World Ocean Day 2020: Innovation for a sustainable ocean

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World Ocean Day is celebrated every year on 8th June since 2008. The day is celebrated to remind everyone about the major role of the oceans in everyday life and to develop a worldwide movement of citizens to protect the ocean and sustainably use marine resources. World Ocean Day for 2020 is increasing the global movement to call on world leaders to protect 30% of our blue planet by 2030 through a network of highly protected areas we can help ensure a healthy home for all.



The ocean is our source of life, supporting us and every other organism on earth. The oceans are the lungs of our planet, providing most of the oxygen we breathe. This year, the theme is “Innovation for a sustainable ocean”. Innovations related to the introduction of new technology, systems infrastructure, resource management, consumer products, finance, and scientific exploration to transform into long-lasting solutions for the health of our ocean and our planet.

The oceans covered more than 70% of the Earth's surface, produced about 50% of global primary production, and supported the greatest biodiversity on the planet. In many ways, the ocean controls our Earth system through transferring heat around the world and playing an important role in the global carbon cycle and is accordingly in temperature on Earth, in balance.

When we think about public health risks, we cannot think of the ocean. However, sea health is linked to our health. Marine biotechnology is an emerging field with potential to use marine biological systems and living organisms or derivatives to produce innovative products and services for the health and beauty and medical industries. Organisms discovered at extreme depths of oceans can perhaps help us learn more about microorganisms and pathogens.

Due to climate change, the ocean is warming and losing oxygen, and its pH has been decreasing causing mass mortalities in the Mediterranean. Oceanographic scientist warned that 2 ° C warming can cause 15–40% loss of biodiversity, therefore of high concern to both marine ecosystems and humans, therefore of high concern to both marine ecosystems and humans. With over 60% of the world's population living on the coastline, we all depend on a healthy sea as much as these beautiful creatures. A healthy ocean keeps Earth healthy too.