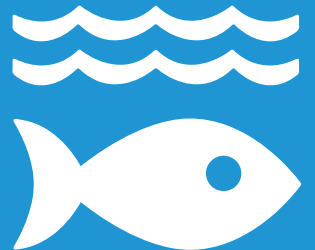
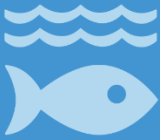


14 LIFE BELOW WATER



14.LIFE BELOW WATER



NUMBER OF
PUBLICATIONS & THESES

2



NUMBER OF
PROJECTS

6



NUMBER OF
EVENTS

0



NUMBER OF
COURSES OFFERED

4



NUMBER OF
COLLABORATION

0



NUMBER OF
AWARDS

0

SDG 14 LIFE BELOW WATER

Conserve and sustainably use the oceans, seas and marine resources

Targets and Indicators

14.1 By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution

14.2 By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans

14.3 Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels

14.4 By 2020, effectively regulate harvesting and end overfishing, illegal, unreported and unregulated fishing and destructive fishing practices and implement science-based management plans, in order to restore fish stocks in the shortest time feasible, at least to levels that can produce maximum sustainable yield as determined by their biological characteristics

14.5 By 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and based on the best available scientific information

14.6 By 2020, prohibit certain forms of fisheries subsidies which contribute to overcapacity and overfishing, eliminate subsidies that contribute to illegal, unreported and unregulated fishing and refrain from introducing new such subsidies, recognizing that appropriate and effective special and differential treatment for developing and least developed countries should be an integral part of the World Trade Organization fisheries subsidies negotiation

14.7 By 2030, increase the economic benefits to Small Island developing States and least developed countries from the sustainable use of marine resources, including through sustainable management of fisheries, aquaculture and tourism



14.A Increase scientific knowledge, develop research capacity and transfer marine technology, taking into account the Intergovernmental Oceanographic Commission Criteria and Guidelines on the Transfer of Marine Technology, in order to improve ocean health and to enhance the contribution of marine biodiversity to the development of developing countries, in particular small island developing States and least developed countries

14.B Provide access for small-scale artisanal fishers to marine resources and markets

14.C Enhance the conservation and sustainable use of oceans and their resources by implementing international law as reflected in UNCLOS, which provides the legal framework for the conservation and sustainable use of oceans and their resources, as recalled in paragraph 158 of The Future We Want

Courses, Theses, Publications

On October 14, 2021, TEDU's University Senate made a commitment to pursue the Sustainable Development Goals (SDGs) to enhance awareness of these issues both at the university and in the local community.

TED University researchers have also authored research papers which contribute to the life below water research. One of the articles is entitled as **“Modeling transport of microplastics in enclosed coastal waters: A case study in the Fethiye Inner Bay”**. In their article, the authors focused on the modeling of plastic pollution in coastal waters of Fethiye Bay, Turkey. The negative impacts of plastic litter on marine life, the food chain, and human health have been extensively studied, and it has been shown that ingesting plastic can lead to the death of marine organisms. There is also evidence that microplastics are consumed at the bottom of the food chain, subsequently making their way up to higher trophic levels. The modeling results for Fethiye Inner Bay will aid in establishing the maximum permissible daily pollutant load for similar enclosed coastal areas. By pinpointing regions vulnerable to plastic pollution, this study provides a foundational data source for future strategies

and planning. Additionally, the findings from hydrodynamic and transport modeling will significantly enhance quality classification studies of coastal waters, contributing valuable data to support the sustainable protection of the marine environment.

Events - Activities

No events and activities took place regarding this SDG.

Collaboration, Projects, Awards

TED University students carried out a number of projects about marine areas and marine life. In project **“Blue Vision”**, the purpose was to raise public awareness about the causes, effects, and solutions to marine pollution. By informing people and encouraging them to take action, the students aimed to reduce the negative impacts of marine pollution on the environment and society.



In project **“Marine Pollution by OCTET”**, the purpose was to raise awareness about marine

pollution among people and identifying the necessary solutions to meet the needs of the community are our essential goals.



Marine Pollution by OCTET

Purpose of the Project
Raising awareness about marine pollution among people and identifying the necessary solutions to meet the needs of the community are our essential goals.

Steps of Project

- Deciding on the topic
- Distribution of tasks to group members
- Visiting the fields
- Identifying the problems
- Making an awareness poster
- Visiting schools to inform people about the issue and spread awareness

Campus

* Within the scope of the protocol signed between our University and Ankara Metropolitan Municipality, research studies are being carried out for the protection and breeding of the plant species named Er Geveni *Astragalus Bozakmanii* Podlech, which grows narrowly endemic in Çamlıdere district of Ankara Province. The protection of this plant has been undertaken by our University. In order to show the necessary sensitivity for the plant and to draw attention to its protection, the visual of the plant was printed on promotional products (raw cloth bags, pens, notebooks, etc. obtained from recycled products) used in events.



* In order to minimize the change in water ecosystems, contribute to water saving for our

future, adapt to changing climate conditions, use resources effectively, with high quality and efficiently, and adopt sustainability activities, many activities and technical studies are carried out in the academic and administrative processes of our University. In order to minimize the physical, chemical and biological changes in water ecosystems, to ensure the economical use of water, which is the basic source of life, and to protect the environment and nature, the measures specified below are closely followed in accordance with the articles of the guide located at <https://www.suverimligi.gov.tr/yayinlar/>, which includes higher education campuses. In addition, the web pages of official authorities are also followed. (<https://csb.gov.tr/en>, <https://sifiratik.gov.tr/> etc.)

* Effective water management practices are followed on our campus. Water consumption is monitored on a monthly/annual basis, plants in the landscape are generally selected from drought-resistant plants, water-saving aerator products are preferred in taps, and groundwater is used to the extent possible.

* A contract has been signed with Arçelik for the installation, maintenance and repair of purified water fountains located within our campus and included in water management practices. This service is provided within the scope of this contract.

