



Bu proje Avrupa Birliđi ve Türkiye Cumhuriyeti tarafından finanse edilmektedir

Technical Assistance for Assessment of Türkiye's Potential on Transition to Circular Economy

EuropeAid/140562/IH/SER/TR

Workshop on Roadmap for Single Use Plastics and Marine Litter

GHOST GEAR CLEANING PROJECT

GENERAL DIRECTORATE OF FISHERIES AND AQUACULTURE

Assoc. Prof. Dr. Mahir KANYILMAZ

March 6-8, 2024 - Dedeman Hotel Bostanci



T.C. TARIM VE
ORMAN BAKANLIĞI



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#ÜretimÜreticininYüzyılı



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TÜRKİYE CUMHURİYETİ'NİN YÜZÜNCÜ YILI



TÜRKİYE CUMHURİYETİ
TARIM VE ORMAN BAKANLIĞI

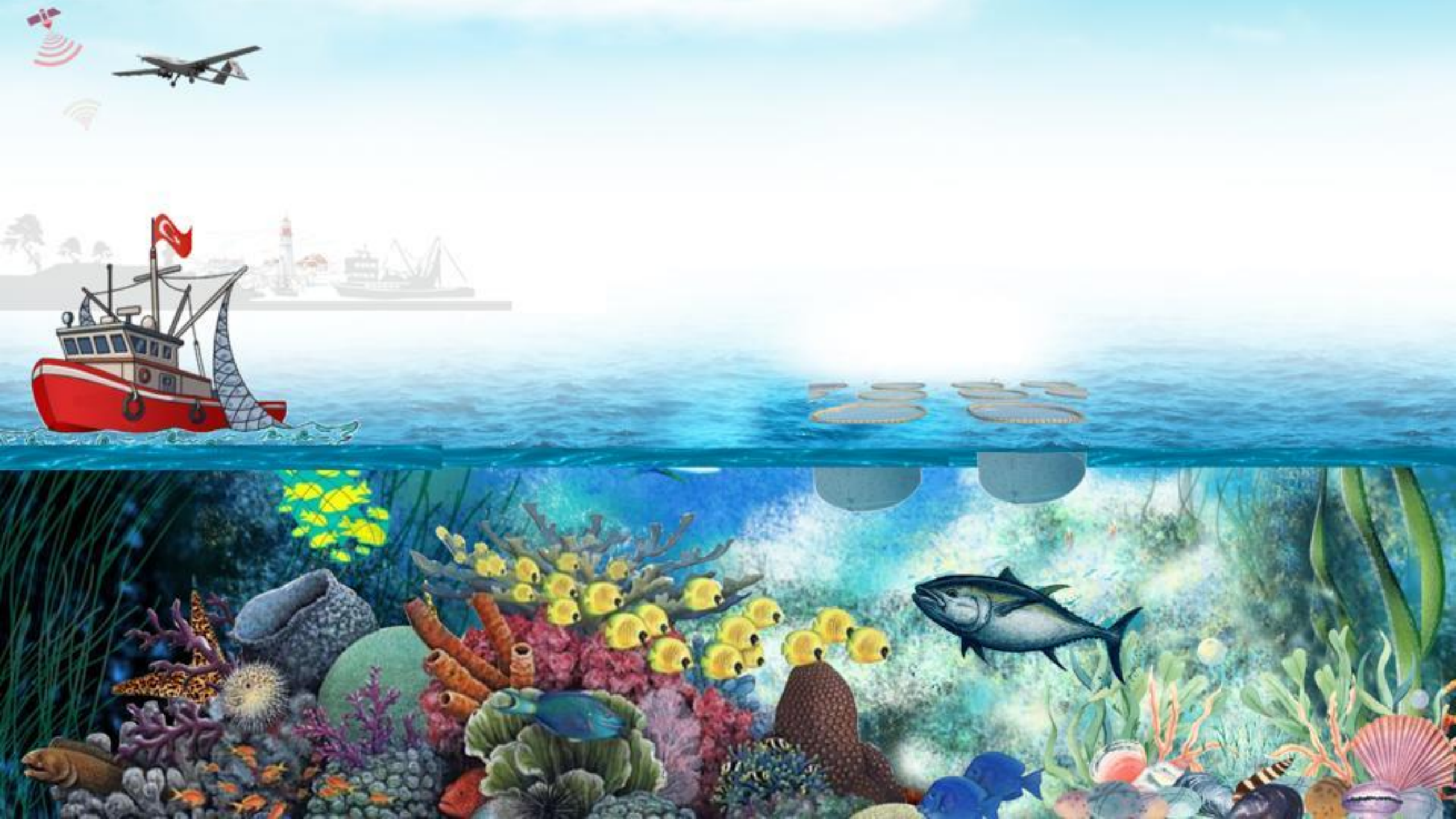
GENERAL DIRECTORATE OF FISHERIES AND AQUACULTURE

PROJECT FOR CLEANING THE SEAS FROM ABANDONED FISHING GEARS



6.03.2024

Assoc. Prof. Dr. Mahir
KANYILMAZ
Head Of Department





Marine litter, ghost gear

- Every year, *11 million tonnes* of plastic is released into the oceans,
- One of the most harmful is the *ghost gear*.
- *At least 10%* of marine litter is ghost gear.
- *In the late 1970s, evidence of ghost fishing*

Google

ghost gear



Tümü

Görseller

Alışveriş

Haberler

Videolar

Daha fazla

Araçlar

Yaklaşık 173.000.000 sonuç bulundu (0,24 saniye)





Ghost Gear

CAUSES OF GETTING LOST

Competition between fishermen or personal problems

Conflicting of fishing activities

Various equipment failures

Seabirds and large creatures

Working in deep waters

Bottom obstructions & Ship navigation

status
Seine and illegal trawling & Weather conditions



Ghost gear

- 66% of marine mammals,
- 50% of seabirds
- It affects all sea turtle species and fishes
- ***More than 90% of the fish species caught have commercial value.***

In short, in all species groups, marine litter is the deadliest.

Google

ghost gear



Tümü

Görseller

Alışveriş

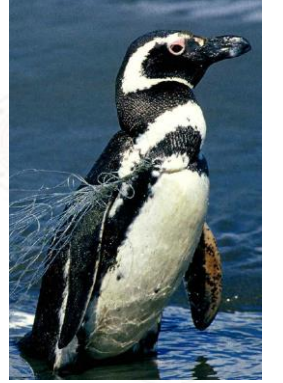
Haberler

Videolar

Daha fazla

Araçlar

Yaklaşık 173.000.000 sonuç bulundu (0,24 saniye)

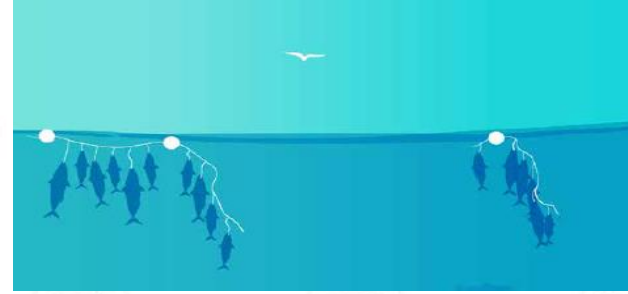




Lost fishing gear

According to researches; It is estimated that

- 5.7% of all fishing nets,
- 8.6% of baskets and pinneres,
- 29% of fishing lines used worldwide are abandoned, lost or discarded into the environment.





Fishing gear



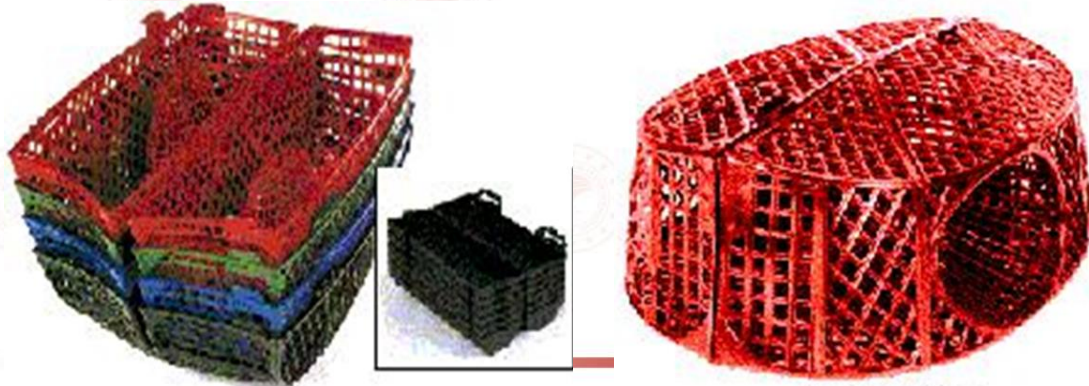


Fishing life of ghost gear

Extension gear up to 7 years



Plastic baskets up to 10-30 years



Those with a metal frame up to 15 years



Wooden traps can be used for up





- Removal of ghost gear,
- Labeling of gear
- Training,
- Prevention (restriction of the use of high-risk equipment at certain times of the year or in certain areas
- Using biodegradable materials

<https://www.ghostgear.org/>

<https://www.worldwildlife.org/projects/stopping-ghost-gear>

<https://oceanconservancy.org/trash-free-seas/plastics-in-the-ocean/global-ghost-gear-initiative/>



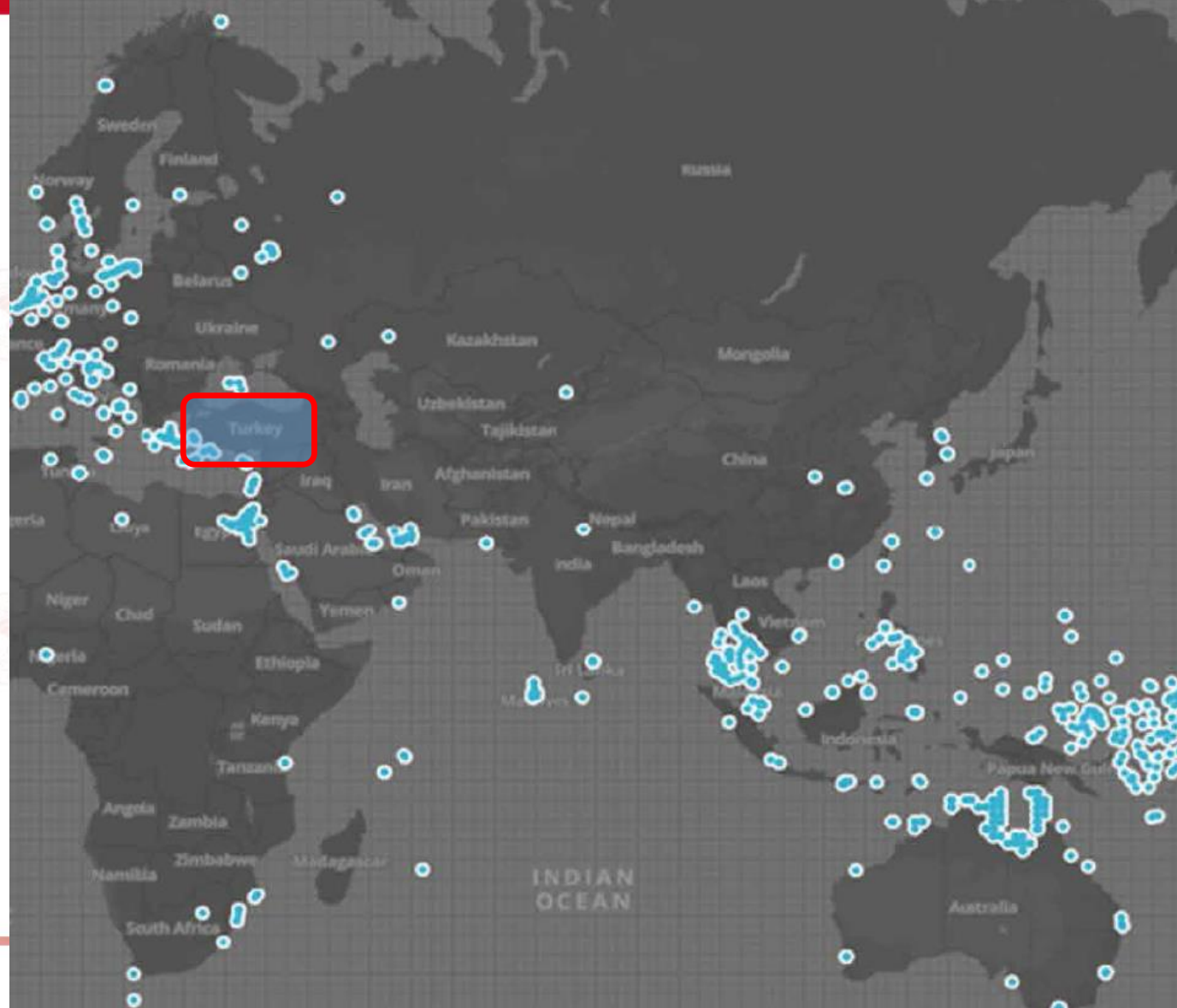
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Areas of Precautions Taken for Ghost Gear in the World



TURKIYE
YUZYILI

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#ÜretimünÜreticininYüzyılı



Ghost Gear project

- The project was launched in 2014 mainly in the seas
- as of 2020, it also covered streams, lakes, ponds and dams

**DENİZLERİN
TERKEDİLMİŞ
AV ARAÇLARINDAN
TEMİZLENMESİ
PROJESİ**

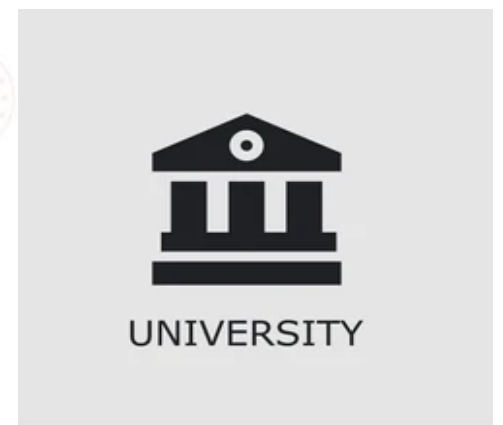
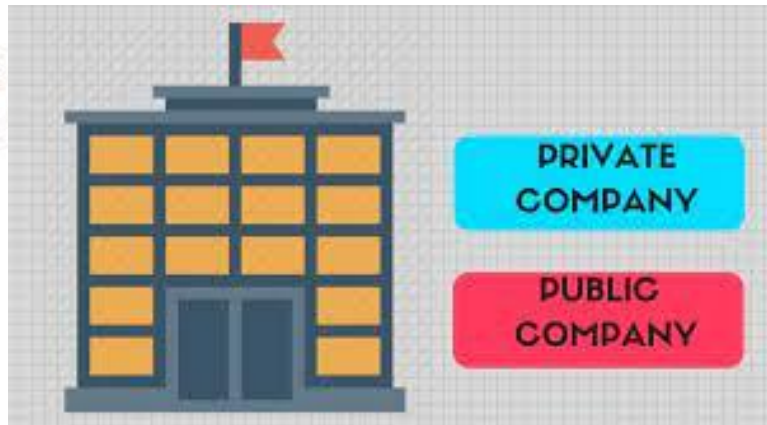
**Denizlerimizi
terkedilmiş av araçlarından temizliyoruz**

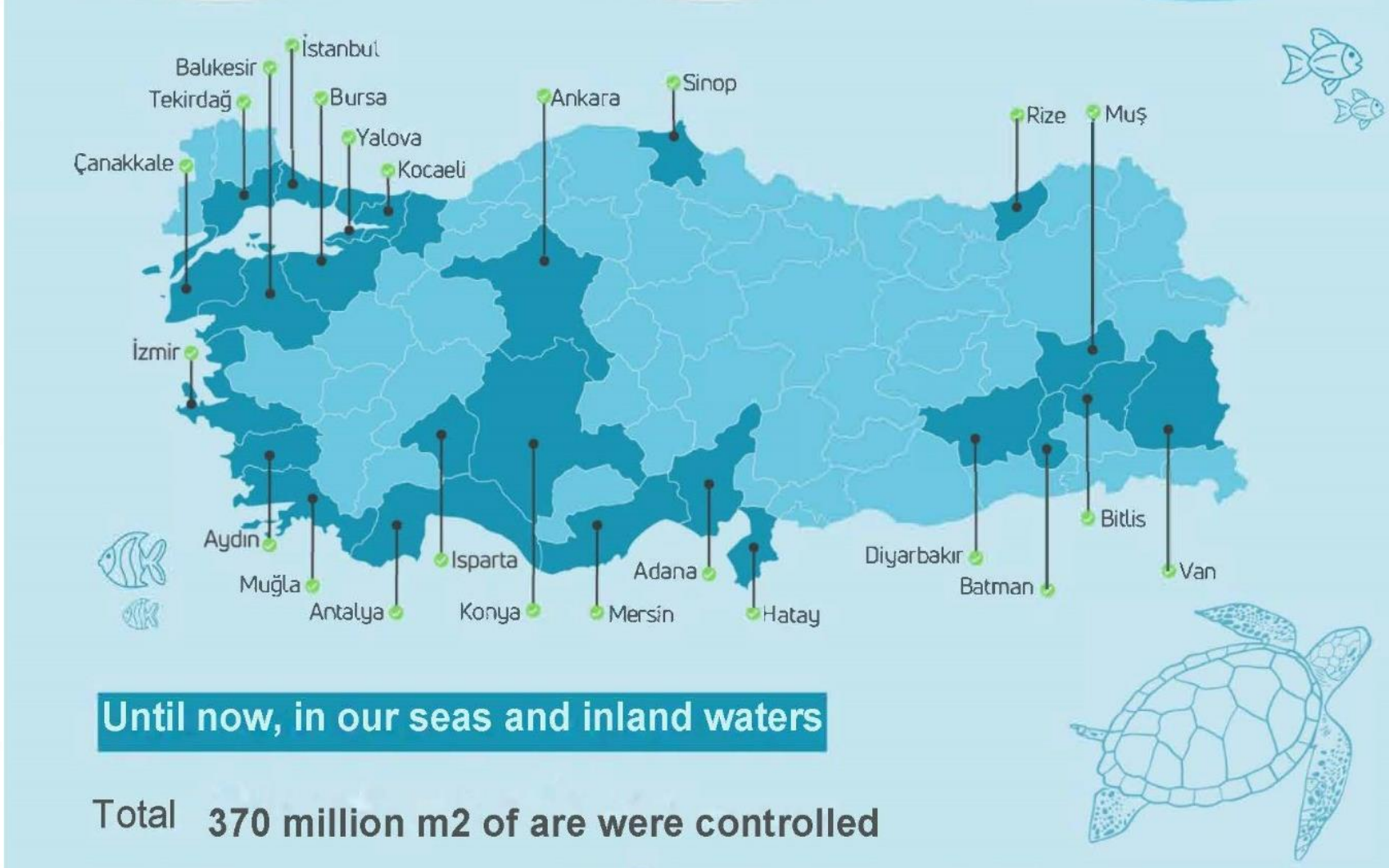
agimkayboldu@tarim.gov.tr

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GIDA TARIM VE HAYVANCILIK
BAKANLIĞI



Project for Cleaning the Seas from Abandoned Fishing Gears







Ghost gear



Approximately 1.050.000 m² of ghost gear was removed.



Gear labelled





Ghost fishing equipment (Pinter)



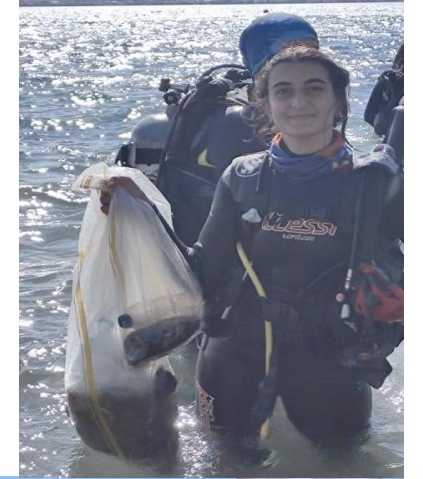
- 52,000 baskets, pinter was removed.



We contribute **to the protection of the environment and biodiversity.**

- Nearly **3.5 million lives have been saved** so far.





Every year thousands of kg of plastic and its derivatives are removed from our seas.



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Coastal cleaning



100
TÜRKİYE CUMHURİYETİNİN YÜZÜNCÜ YILI



Balıkçılık ve Su Ürünleri
Genel Müdürlüğü

7 Tem 2023 · 🌐

Ülkemiz balıkları kırmızı listesini hazırlayan komisyonumuzdan örnek çalışma. Komisyon üyeleri sahil temizliği yaptı.





Detailed priorities and advice for aquaculture management and research on specific issues

Reduce plastic use in aquaculture farms

1. Implement plans to reduce single-use plastic goods in aquaculture farms should be implemented. The exploration of alternative materials and innovative solutions that have a low ecological impact, are reusable or biodegradable, without jeopardizing the safety and efficiency of operations is encouraged.
2. Support the adoption of best practices in solid waste management by means of active participation in awareness campaigns and training programmes to educate staff and stakeholders on the significance of decreasing plastic consumption is supported.
3. Stimulate collaboration and establishment of partnerships between stakeholders in order to develop and promote sustainable alternatives to plastic use in aquaculture farms is welcomed. Farms should be given financial and technical assistance in order to implement plastic reduction methods.
4. Encourage research institutes and stakeholders to invest in research and development to investigate novel technologies and materials that can successfully substitute plastic in aquaculture operations. To that end, funding should be granted for research initiatives targeted at establishing efficient recycling and solid waste management systems adapted specifically for aquaculture operations.



Food and Agriculture
Organization of the
United Nations



General Fisheries
Commission for
the Mediterranean

Scientific Advisory Committee on Aquaculture (CAQ)

Intersessional meeting

FAO headquarters, 12–13 July 2023

Report



Single-use crates



Planned multi-use crates





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Recycling



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MARMARA ADALARI
HAYALET AĞLAR

Marmara Denizi'nden çıkaracağımız
HAYALET AĞLAR
geri dönüştürülerek ikincil plastik hammadde olarak
BEYAZ EŞYA ÜRETİMİNDE KULLANILACAK

arçelik

T.C. TARIM VE ORMAN BAKANLIĞI | T.C. ÇEVRE VE ŞEHİRCİLİK BAKANLIĞI | T.C. BAKIRGÖZÜ VİLLERİ | GÜNGÖRÖZÜ KOYU KALKINIM VE GÜZELLEŞTİRME DERNEĞİ | ŞİRKETİNİN MARMARA SAHAYI VE TİCARET ANONİM ŞİRKETİ

REINMAK





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Awareness: Trainings, meetings



2023: 11 provinces
2024: 20 provinces



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Awareness: Documents, News



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TÜRKİYE CUMHURİYETİNİN YÜZÜNCÜ YILI



İstanbul'un denizlerinden 322 bin 620 metrekare hayalet ağ çıkarıldı

Ticari ya da amatör avcılık yaparken takılan, kopan veya bilerek bırakılan av araçlarından oluşan hayalet ağlar sucul ekosistemdeki canlıların ölümüne neden oluyor

2014'TEN BU YANA

192
lokasyonda

4.98 MİLYON
metrekarelik
alan tarandı

212 ADET
hayalet ağ deniz
dibinden çıkarılıp
geri dönüşüme
kazandırıldı

TOPLAM
322.620
METREKARE AĞ



20:35 MESİ, HATAY'DA DEPREMZEDE VATANDAŞLARLA BAYRAMLAŞTI. BAKAN AKAR, İLK MİLLİ



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Recycling



TURKIYE
YÜZYILI

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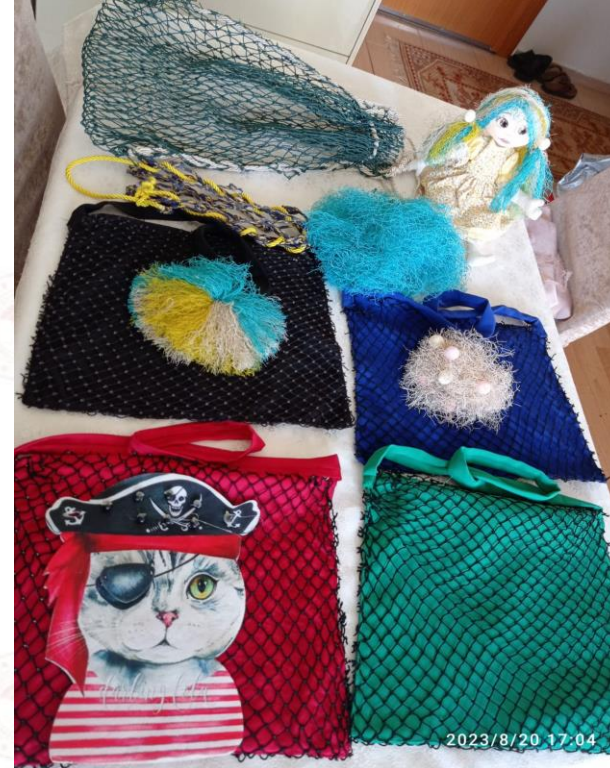


MARMARA ADALATI
HAYALET AĞLAR

Marmara Denizi'nden çıkaracağımız
HAYALET AĞLAR
geri dönüştürülerek ikincil plastik hammadde olarak
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arçelik

T.C. TARIM VE ORMAN BAKANLIĞI | T.C. ÇEVRE VE ŞEHİRCİLİK BAKANLIĞI | T.C. BALIKSIRI VALİLİĞİ İL TARIM VE ORMAN MÜDÜRLÜĞÜ | GÖNÜCÜDÜ KÖYÜ KALKINDIRMA VE GÜZELLEŞTİRME DERNEĞİ | RENMAK | GENMAK MAKİNA SANAYİ VE TİCARİET ANONİM ŞİRKETİ





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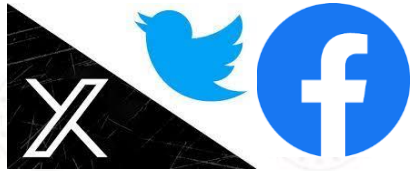
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THANK YOU



<https://www.tarimorman.gov.tr/BSGM>

<https://www.tarimorman.gov.tr/BSGM/Link/36/Agim-Kayboldu>



[General Directorate of Fisheries and Aquaculture](#)



TÜRKİYE CUMHURİYETİ
ÇEVRE, ŞEHİRCİLİK VE
İKLİM DEĞİŞİKLİĞİ BAKANLIĞI



Çevre ve İklim
Eylemi Sektör
Operasyonel Programı



Türkiye Döngüsel Ekonomi Eylem Planı

