



RECYCLING DISCARDED
EQUIPMENT FROM
FISHING AND FISH FARMING

Øistein Aleksandersen
Circular Ocean
1. September 2016



www.nofir.no

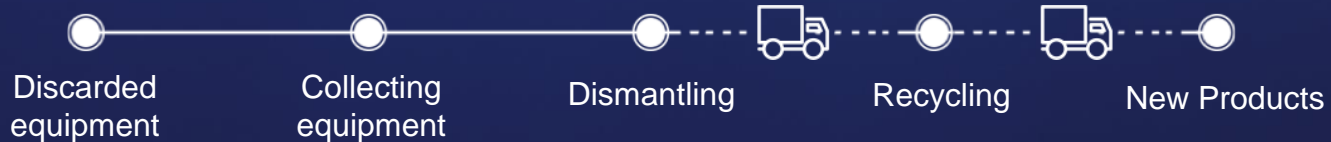
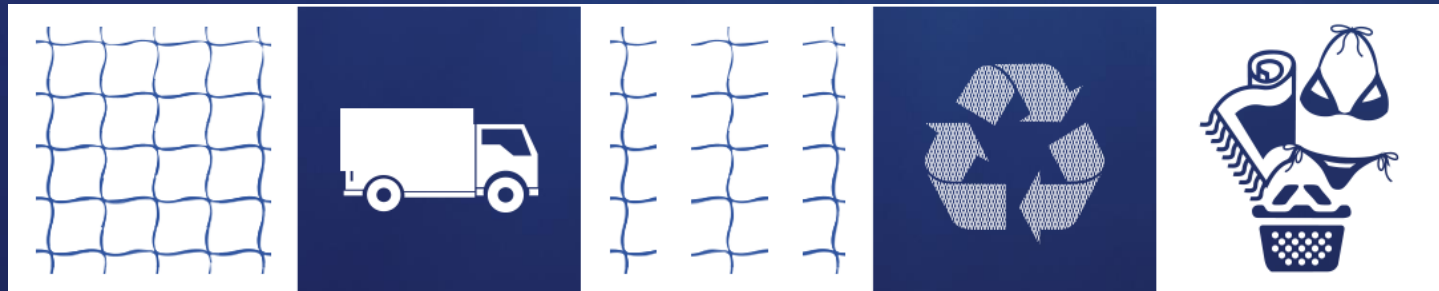
Like us on Facebook

A stylized map of Europe is shown in shades of blue and white. Several white location pins are placed across the map, primarily in Norway, Lithuania, and Turkey. Some of these pins contain the Nofir logo, which consists of the word 'Nofir' in a blue sans-serif font with a green circular icon containing a white 'Q' shape. The background of the map is a dark blue gradient.

What is our concept?

- Nofir is a Norwegian company with subsidiaries in Lithuania and Turkey
- We collect fishing and fish farming equipment from different countries, mostly Norway.
- The material is sent to Lithuania or Turkey for dismantling
- Our end product is raw material for the recycling industry

How do we work



BRINGING *VALUE* TO MARINE WASTE

Lithuania

Material is sent to UAB NOFIR

Dismantling equipment

Producing raw material for recycling industry



Lina Petraitienė
Manager
Lithuania



Ligita Bielskiene
Production
Manager



Rima Samoškienė
Project Manager
Europe

Turkey

**New office
in Turkey
in 2015**

Cooperation with EMEL BALIK AS:
Emel Balik has been delivering
net cages and **service** to fish farms
in **Turkey** in last **18 years**

**New company
in Turkey in 2016**



Turgay Gundemir
General Manager
Turkey

Nofir has a permanent presence in Turkey since **April 2016**.
The manager in Turkey is **Turgay Gundemir** and the name
of the company is **Nofir Geridönüşüm San.Tic.Ltd.Şti.**

Our customer
Aquafil

50% CO₂ eq. emissions of **ECONYL®YARN**
compared to **VIRGIN** material

Our biggest
customer

Carpets
and textiles



=



1ton of
recycled nets

over 1000m²
of carpet

Nofir collects from
4 continents



Where do we collect



2011

2631 TONS OF MATERIAL

2631
TONS

CO₂

DECREASE IN
CARBON
FOOTPRINT
IS ABOUT
9 500 T CO₂ EQ.

DECREASE IN
NON-RENEWABLE
RESOURCES IS
ABOUT
4 500 T OIL EQ.

2012

2736 TONS OF MATERIAL

CO₂

DECREASE IN
CARBON
FOOTPRINT
IS ABOUT
10 000 T CO₂ EQ.

DECREASE IN
NON-RENEWABLE
RESOURCES IS
ABOUT
5000 T OIL EQ.



2700
TONS

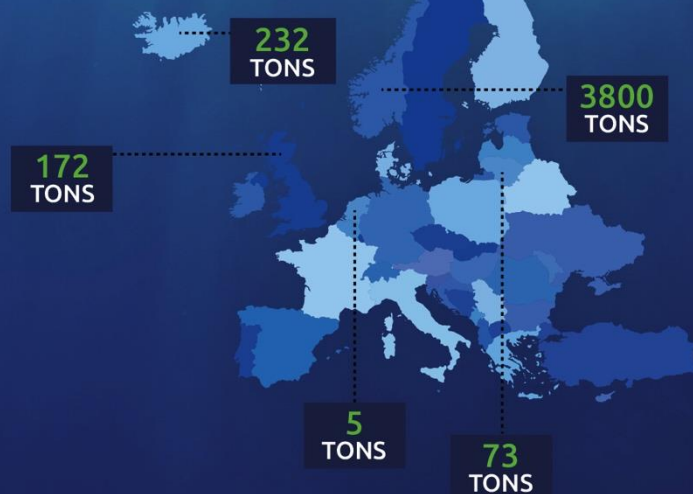
36
TONS

2013 **4282** TONS OF MATERIAL

CO₂

DECREASE IN
CARBON
FOOTPRINT
IS ABOUT
15 500 T CO₂ EQ.

DECREASE IN
NON-RENEWABLE
RESOURCES IS
ABOUT
7500 T OIL EQ.

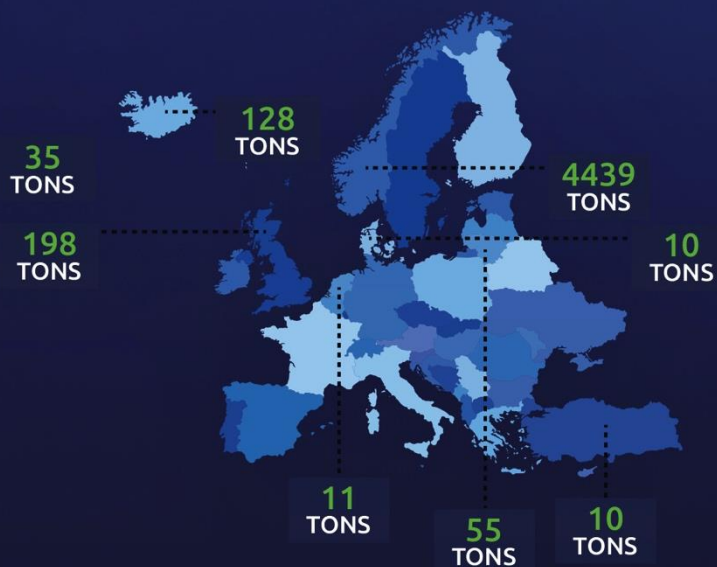


2014 **4886** TONS OF MATERIAL

CO₂

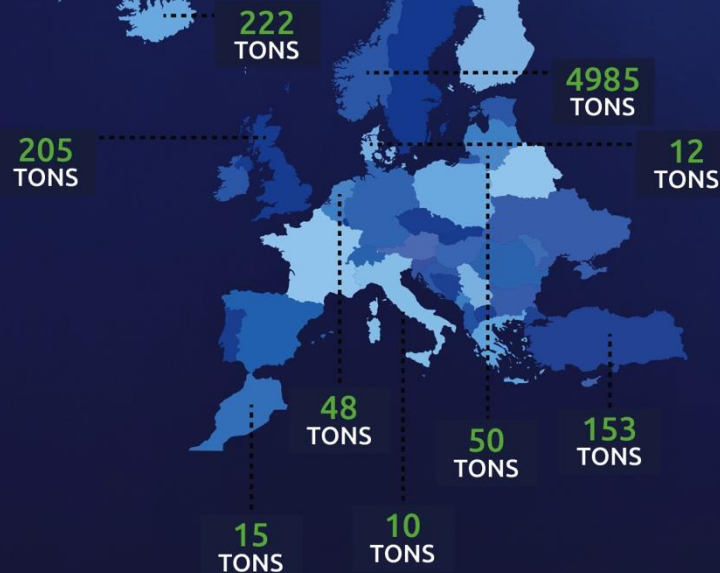
DECREASE IN
CARBON
FOOTPRINT
IS ABOUT
18 000 T CO₂ EQ.

DECREASE IN
NON-RENEWABLE
RESOURCES IS
ABOUT
8 500 T OIL EQ.



2015

5699 TONS OF MATERIAL



CO₂

EQUIVALENT
TO 20 500 TONS
OF REDUCED
CARBON
FOOTPRINT
COMPARED
TO NEW
PRODUCTION

EQUIVALENT
TO 8 500 TONS
OF REDUCED
NON RENEWABLE
RESOURCES
COMPARED
TO NEW
PRODUCTION



Amounts we collected
≈ 20 200 t (2011-2015)

Decrease in Carbon Footprint:
≈ 72 900 t

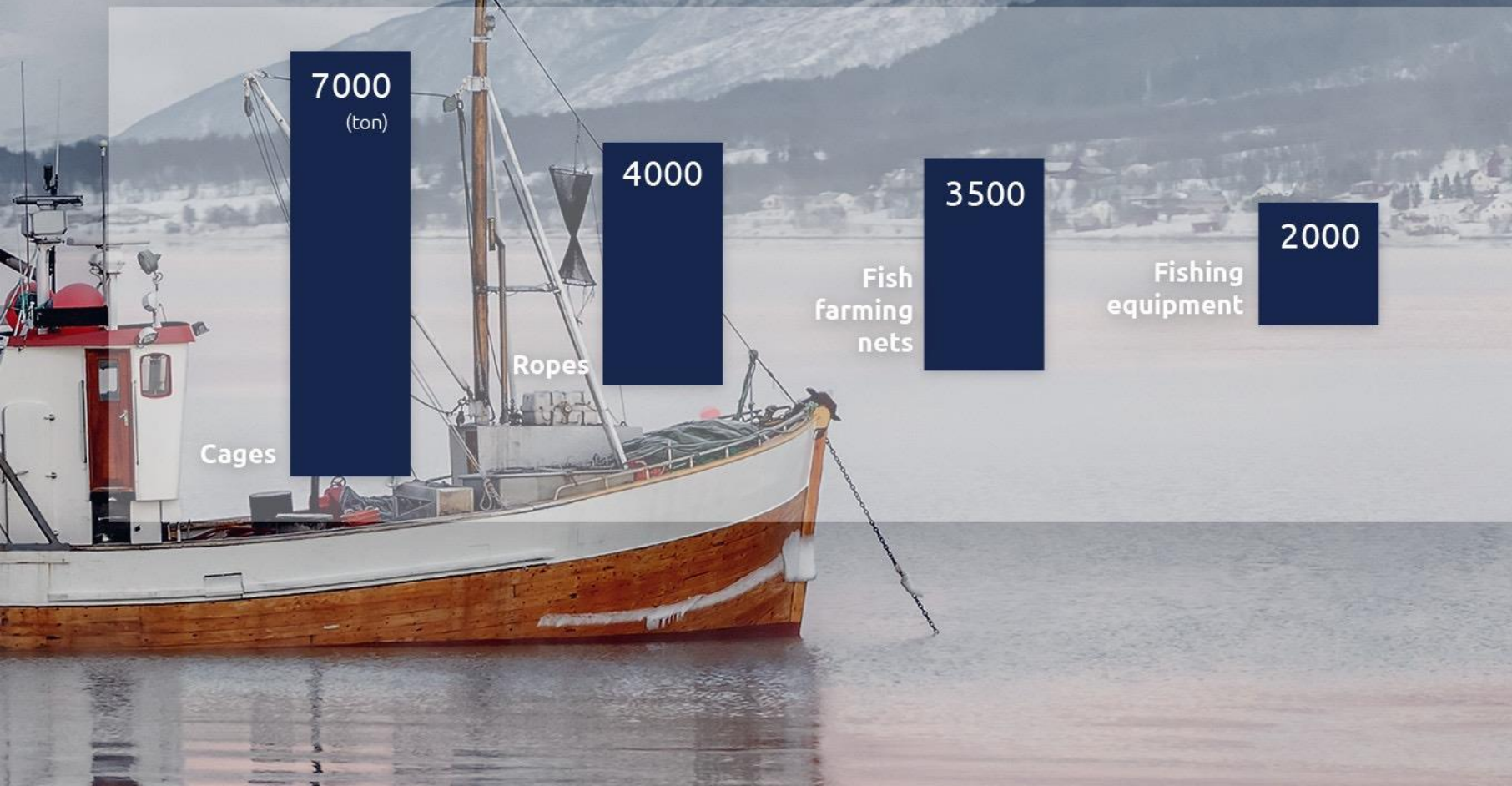


*Decrease in non
renewable resources:*
30 400 t

*Decrease in waste equipment
ending up at **sea**, **landfill** or **incineration***
≈ 14 000 t



Estimated Yearly amounts in Norway



In **one net**
there is



1000
tons of
salmon

It is
equivalent to



20000
lambs

or



2000
cows

the future of
food production
is in the sea

The average
amount of
cows per
cow farm
in Norway is

fish
farming nets
in Norway

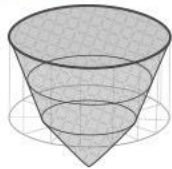
4000

There
are
around



In 2014
Norwegian
fisheries and
fish farming
exported

Equipment we collect



**Fish farming nets
and cages**



Trawls



Ropes



Gill nets



**Purse seine
nets**

Fish farming nets



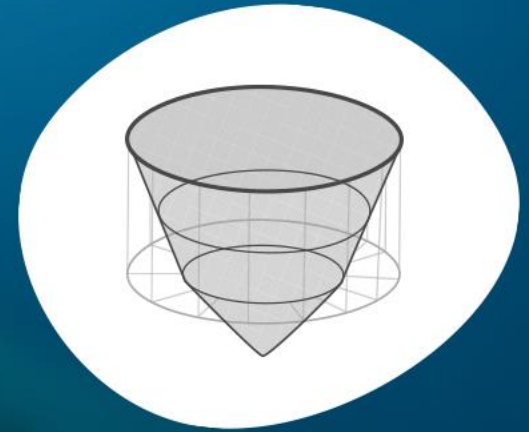
up to 200m round



50 meter deep



hazardouse waste



1000 tons of
fish in **one net**



Export value
on salmon
50million NOK

Trawls

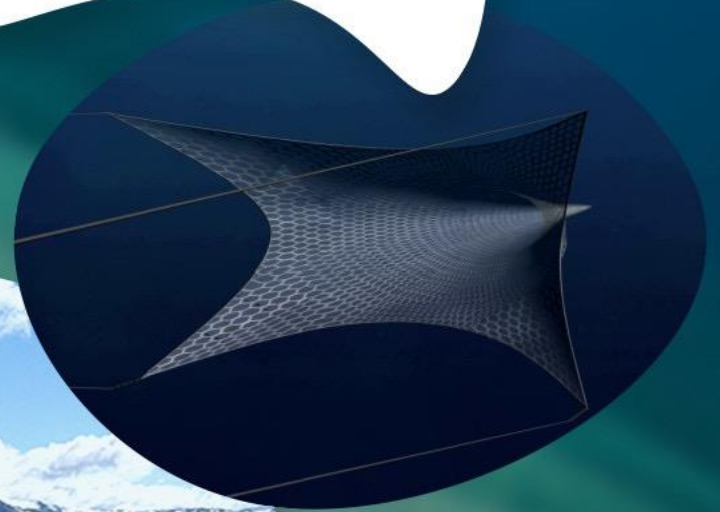
Biggest trawl made by Egersund Trawl



had an opening of
2500m



was 250 meters long



800 ton of fish
in 15 minutes



Value
2million NOK



768m

Purse seine nets

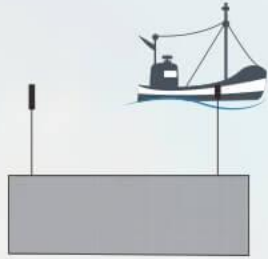
↔ 1000 meters long

↕ 250 meters deep



record is **2471t** in
one haul

Gill nets

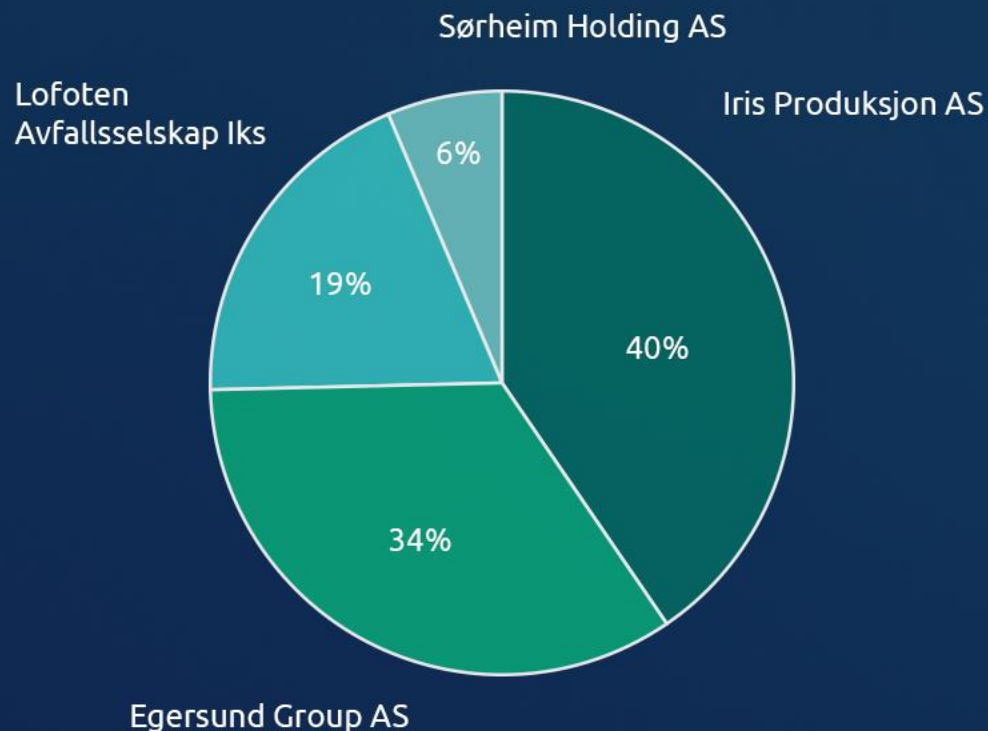


Usually small nets
Often together
in long chains



Every **year**
over **100,000** animals **die** from
the harmful effects of **plastic**,
ghost nets, and **litter** in our oceans

Owners of Nofir



Iris Produksjon is a waste company for several municipalities in the Salten region in the north of Norway



Egersund Group is a supplier of equipment to the fishing fleet and fish farming industry world wide



Lofoten Avfallsselskap is a waste company for several municipalities in the Lofoten region in the north of Norway



Sørheim Holding is a fishing vessel owner located in the north of Norway



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