



RECYCLING DISCARDED
EQUIPMENT FROM
FISHING AND FISH FARMING

North Calotte Councils
Waste Group
25.8.2012



www.nofir.no

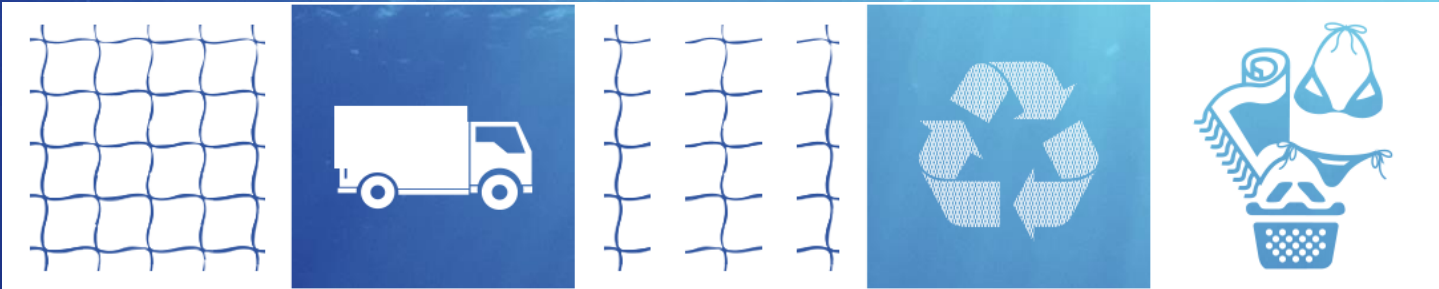
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What is our concept?

- Nofir is a Norwegian company with a subsidiary in Lithuania
 - Established in 2008
- We collect discarded fishing and fish farming equipment:
 - Fish farming nets
 - Trawls
 - Purse nets
 - Gill nets
 - Ropes
 - Other materials
- We send everything to Lithuania or Turkey for dismantling
- Our end product is raw material for the recycling industry

How do we work



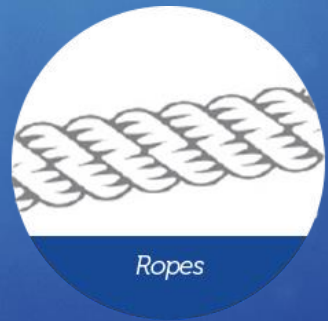
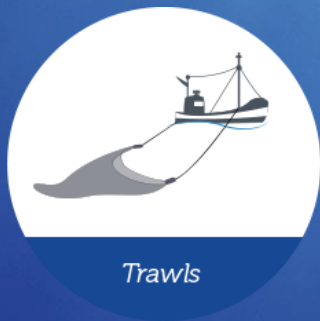
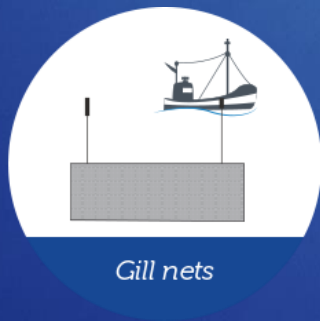
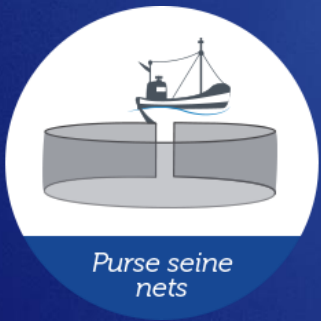
BRINGING VALUE TO MARINE WASTE



Lithuania

- material is sent to **UAB NOFIR**
- Dismantling equipment

Material we collect



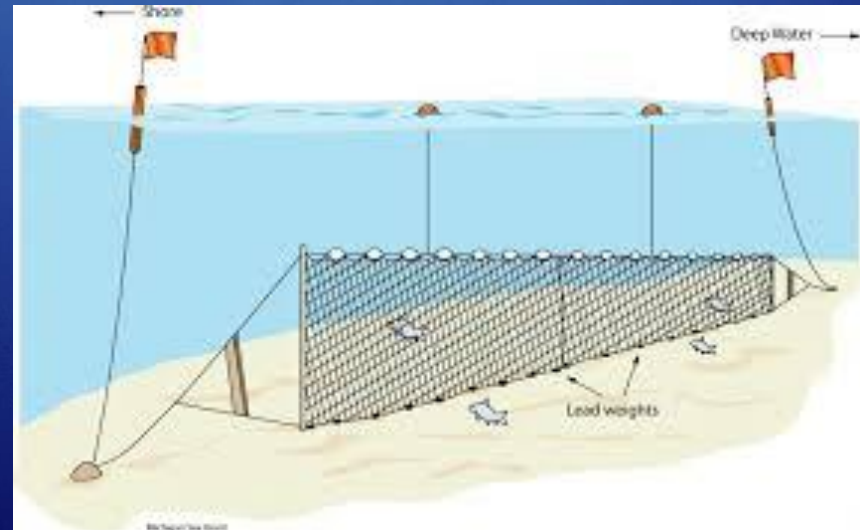
Amounts in Norway

- 7000 ton cages
- 4000 ton ropes
- 3000 ton fish farming nets
- 1500 ton fishing equipment
- 3000 cages with no owner in Norway
 - Mærekampanjen



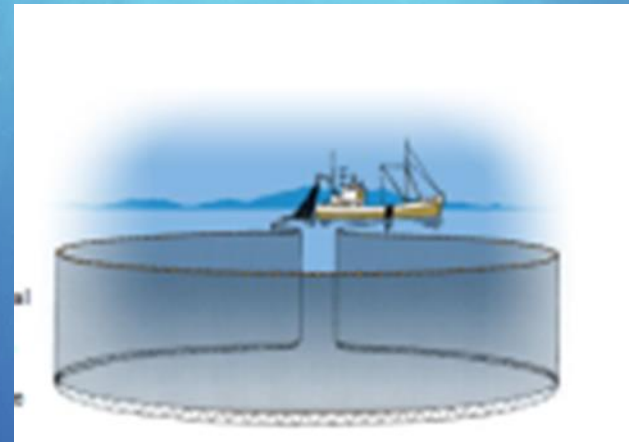
Gill nets

- Ghost fishing
- Usually small nets, often together in long chains
- Monofilament nylon



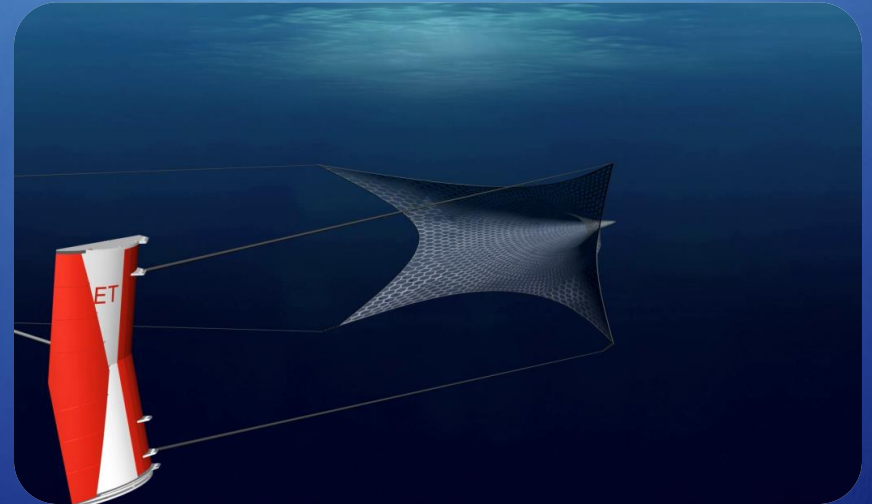
Purse seine nets

- 1000 meters*250 meters and 34 ton
- 2471 ton in one setting



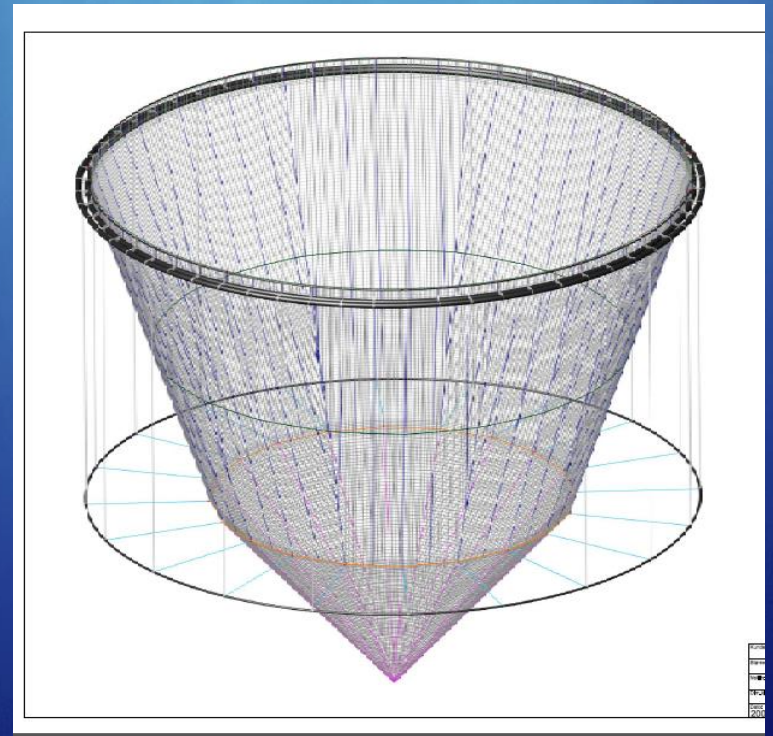
Trawls

- Biggest trawl made by Egersund Trawl had an opening of 2,5 km, was 750 meters long and weight 10 tons
- 800 ton of fish in 15 minutes. Value up to 2 million NOK



Fish farming nets

- Can be up to 160 m round and 50 meter deep
- PA 6 and usually impregnation
- Ropes of danline and stiches of polyester



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



37 million
meals
each day

In 2014
Norwegian
fisheries and
fish farming
exported

Some prototypes





History of Nofir

- Nofir was founded in 2008 with the purpose of establishing a nationwide system for collecting discarded equipment in Norway.
- In 2011 we established UAB Nofir and started to send material to Lithuania.
- In 2011 Nofir received the prize “The Environmental Organization of the year”.
- In 2012 Nofir was granted support from European Union through the Eco Innovation scheme.
- In 2014 Nofir was awarded “The environmental prize” by the Norwegian Directorate of fisheries.
- In December 2014 Nofir was awarded the prize "Name of the year in the seafood industry" by the Norwegian media house Intrafish and Fiskeribladet Fiskaren.
- Fishing for Litter 2015

Our oceans are full of fishing equipment and other plastics.

Ghost nets big ecological problem

6,4 million* ton waste dumped at sea yearly
10% from fishery sector

18 000 pieces** of plastic per km²

Plastic needs hundred of years to decompose.
All plastics dumped at sea - is still out there.

Nofir's goal is to collect as much material as we can and recycle it into new plastic.

* www.unep.org

** www.oceancrusaders.org

2011

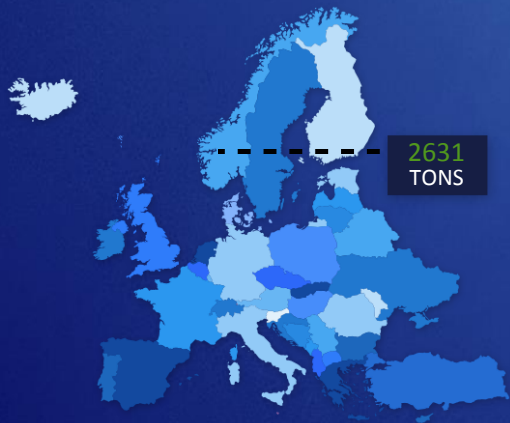
2631 TONS OF MATERIAL

2012

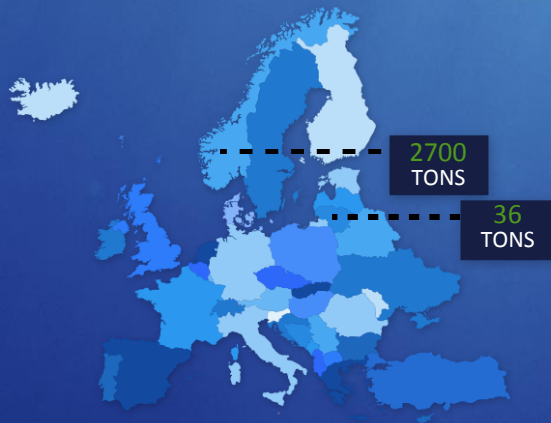
2736 TONS OF MATERIAL

2013

4282 TONS OF MATERIAL

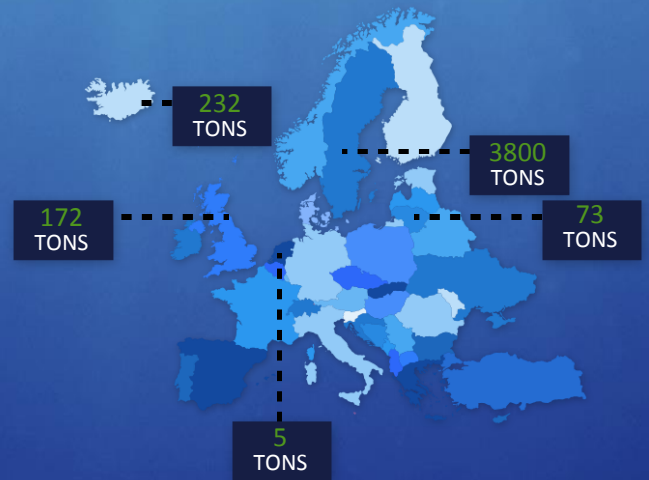


2631
TONS



2700
TONS

36
TONS



232
TONS

3800
TONS

172
TONS

73
TONS

5
TONS

2014

4886 TONS OF MATERIAL



CO₂
EQUIVALENT TO 9772 TONS OF REDUCED CO₂ EMISSIONS COMPARED TO NEW PRODUCTION

EQUIVALENT TO 9772 TONS OF REDUCED OIL CONSUMPTION COMPARED TO NEW PRODUCTION

Turkey

- Around 1200 tons of FFN in the sea
- Much fishing industry
- Dismantling partner south





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The Nofir logo features the word "Nofir" in a blue, sans-serif font. The letter "o" is replaced by a green circular icon containing a white fish silhouette. A blue wave-like graphic is positioned below the text.

BRINGING VALUE TO MARINE WASTE

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