

## EUFIR

# A European system for collecting and recycling discarded equipment from the fishing and fish farming industry

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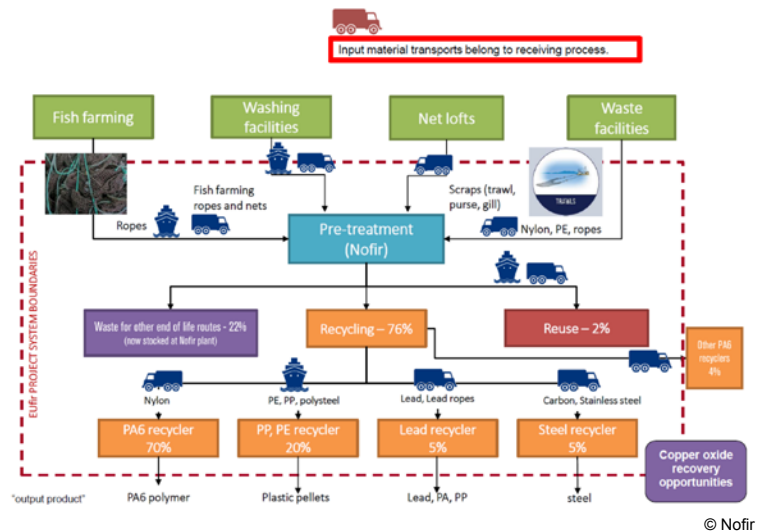
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### INFORMATION ON THE ECO-INNOVATIVE SOLUTION PROVIDER

This eco-innovative solution is the output from the project titled “EUFIR” co-funded by the European Commission within the framework of the Competitive and Innovation Program. This solution has been developed by a team coordinated by Norsk Fiskeriretur/Nofir (N) in partnership with UAB Nofir (LT), Qualchem Vegyiaru (HU) and UAB Egersund Net (LT).

### SHORT DESCRIPTION OF THE ECO-INNOVATIVE SOLUTION

European system for collecting and recycling discarded equipment from the fishing and fish farming industry. Discarded equipment and other plastic waste from the fishing industry will be dismantled and the different elements will be recycled. The technology owner collects both at fixed sites, waste facilities, fish net producers and fishing vessels, providing all participants the possibility to use the Nofir take back scheme, regardless of quantities and location. The materials will be transported to dismantling factories in Lithuania or Turkey and plastic waste will be transformed into a new product.

### INDUSTRIAL SECTOR – MARKET SEGMENT AND ACTUAL APPLICATION IN INDUSTRY

30 Rubber and Miscellaneous Plastics Products

### INDUSTRIAL CLASSIFICATION - NACE CODE;

38 Waste collection, treatment and disposal activities; material recovery

## 1. DESCRIPTION OF ECO-INNOVATIVE SOLUTION

### Technical aspects of the eco-innovative solution

The core element is a recycling system, collecting plastic waste from the fishing industry and transforming the waste into valuable products. Nofir, the technology owner, collects the waste at the site and takes care of transport and process. The system of collecting these materials is already in place in several European coastal areas. Agreements will be signed with waste collecting companies or organisations in the fishing industry.

### Economic and environmental benefits of the eco-innovative solution

There are no direct costs associated with this solution as Nofir offers to pay for the discarded fishing nets and fish farming equipment or to collect the waste for free. Benefits are decreased costs for landfill (disposal costs to be avoided) and revenues for the collected materials (<€150/t). The environmental benefits of the solution are:

1. Preventing plastic equipment from the fishing and fish farming industry from being dumped at sea.
2. Preventing equipment from being dumped in landfill.
3. Reduction in oil consumption (raw material for virgin plastic nets)
4. Reduction in CO2 emission.

## 2. AVAILABILITY OF THE ECO-INNOVATIVE SOLUTION AND BUSINESS PARTNERSHIP

### Market readiness, Trade mark, existing market coverage, commercialization strategy

The collection system is already in place in several EU member states.

### Requirements to adapt the solution to the local market and potential applications/market size

No requirements to adapt the solution to the local market

### On-site after-sales services support and the technical assistance requirements

Support from Norway, Lithuania, Poland or Turkey

### Targeted local business partners

Suppliers of fishing equipment to fish farmers, fishing vessels, net lofts (make and maintain fishing nets), waste management/collection companies

### Type of local business partnership sought

Agreement for the collection of used fishing nets