



**Northern Periphery and
Arctic Programme**

2014–2020



EUROPEAN UNION

Investing in your future
European Regional Development Fund



**RegioStars 2016
Winner**



Northern Periphery & Arctic Programme Conference Galway

21st September 2017

Dr Neil James

Environmental Research Institute, North Highland College UHI

www.circularocean.eu



Landfilling of Nets



Stockpiling of Waste Nets on Harbours

Yesterday

High Percentage of Net Offcuts & Rope Found in Beach Cleans - Sample bag from a beach in Kerry



Entanglement & Ingestion of Plastics by Marine Mammals, Fish and Sea Birds



CHALLENGES IN THE NPA REGION



**PERIPHERAL
LOCATION**



**INCREASE IN SEA
TRAFFIC**



**NEGATIVE IMPACT
ON TOURISM**

**LIMITED BUSINESS
OPPORTUNITIES**



**LOW POPULATION
DENSITY**



**MANAGING WASTE
MATERIALS**





Transnational Collaboration



Stakeholder Engagement – Fishermen from Cork



Scenario Exploration with Local Authorities/Harbour Masters/Waste Mgt Companies/SME's/SME Support Agency/Fishing Agency/Fishermen

www.circularocean.eu

Today

Inspiring Communities to realise the hidden **economic opportunities** of discarded **fishing nets** and ropes in the Northern Periphery & Arctic region



Awareness Raising – Collaboration With Clean Coasts for a Beach Clean in Kerry

Knowledge Exchange Programme



Net Hack Challenges



PARTNERS



ARCTIC TECHNOLOGY CENTRE

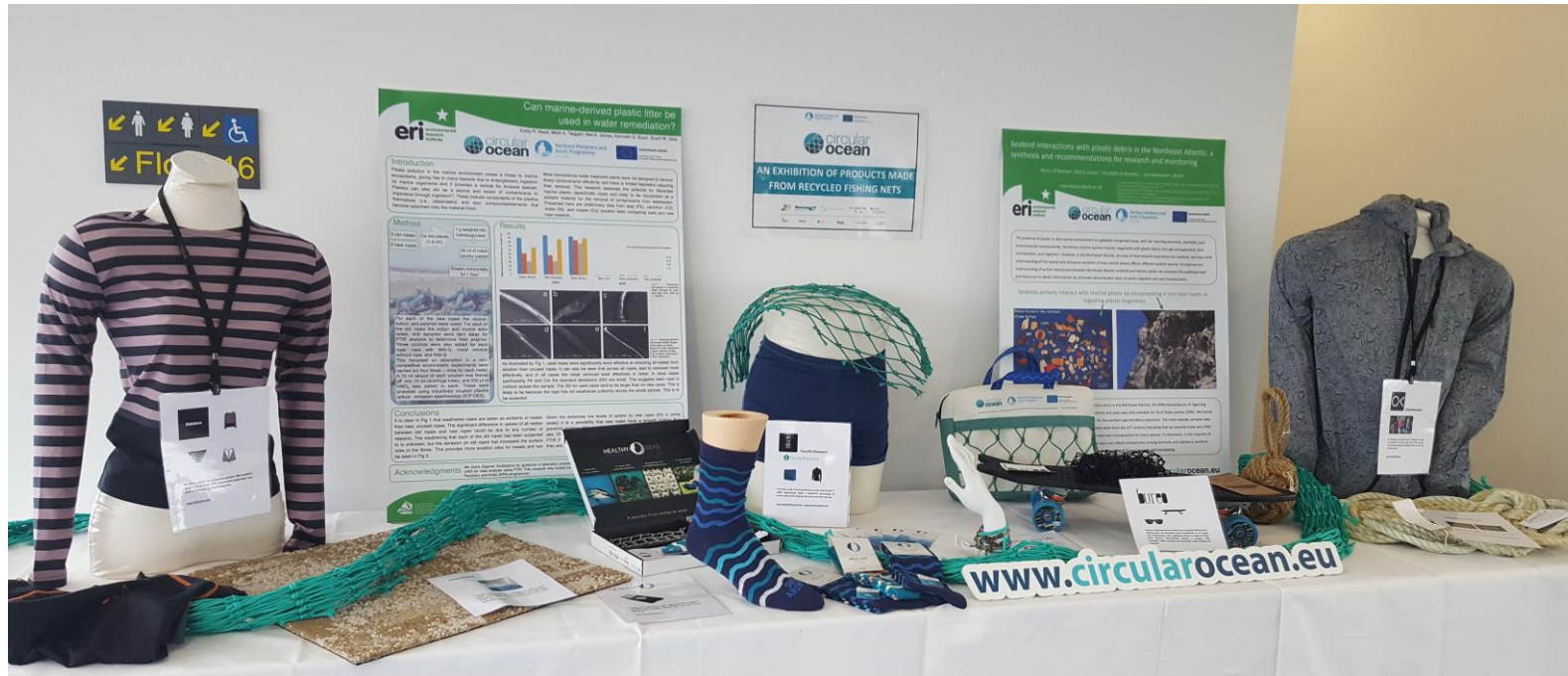


NIFHA



marinescotland





**Vibrant economic activity in communities in the NPA region
utilising waste nets in new product designs.**

PROJECT RESOURCES TO SUPPORT SUCH ECONOMIC ACTIVITY



Green Economy Business Suite

- A guide for communities, businesses, entrepreneurs, and residents within the Northern Periphery and Arctic region.



Handbooks

- Focused on fishing net reuse options and innovative eco-design companies
- Marine litter environmental impact and life cycle handbook



Examples of Pilots

- Examples of pilot work undertaken using fishing nets and ropes within remote regions



Open source eco-innovation hub

- For recycling and repurposing marine litter allowing the exchange of ideas and techniques



Eco-innovation toolkit

- Publications to support partners and end-users on circular economy innovation (related to discarded fishing nets)



Eco-innovation training and guidance

- Range of training and guidance sessions provided to SMEs



Reports

- On the environmental impact of discarded fishing nets
- On policy and institutional barrier reports



Feasibility and cost/ benefit analysis

- Of fishing net collection for export and recycling



Guide

- To supportive policy and regional frameworks regarding innovation within local regional and national levels

Impact



**Cork based company,
Mamukko, incorporating
waste nets from Kinsale
harbour into the design of
their bags**



**Piloting the use of waste net fibres in construction
materials, e.g. to reduce shrinkage cracking**



Northern Periphery and
Arctic Programme
2014-2020



EUROPEAN UNION

Investing in your future
European Regional Development Fund

www.circularocean.eu



SOCIAL MEDIA



/CircularOcean



@CircularOcean



www.circularocean.eu