

DeFishGear

Derelict Fishing Gear management system in the Adriatic Region

Project presentation

NETCET Final Conference
3rd-4th December 2015



Università
Ca' Foscari
Venezia

Giulio Pojana



The Project is co-funded by the European Union,
Instrument for Pre-Accession Assistance (IPA)



Basic information



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Full project name:

Derelict Fishing Gear Management System in the Adriatic Region

Acronym: **DeFishGear**

Frame: **IPA Adriatic CBC Programme, L'Aquila, Italy**

IPA: Instrument for Pre-accession Assistance

Knowledge transfer, harmonization

CBC: Cross Border Cooperation

Regional – Adriatic sea

Strategic project

Final outcome: strategic proposal



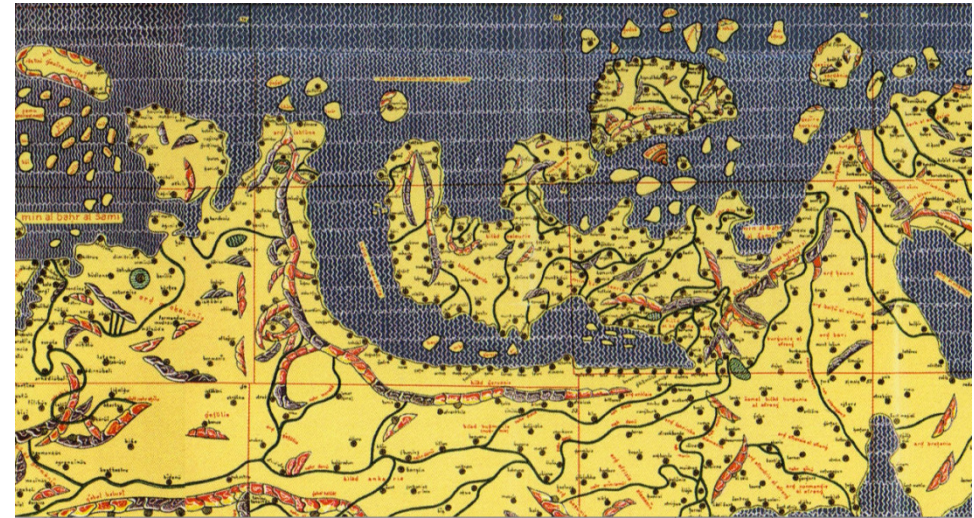
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Motivation



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The **problem of polluting the Adriatic Sea**
with marine litter and the **economic impact**
on coastal communities



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Project focus



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- The **monitoring and reduction of the quantity of marine litter** in the marine environment and their **effects on marine organisms** (fish)
- **Setting up a system for collection and recycling of derelict fishing gear**, including the so called ghost nets, and **collection of floating litter and litter from the sea bottom**, caught in the nets while fishing



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Expected outcomes



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- **First assessment** of marine litter pollution in the Adriatic Sea
 - Georeferenced data
 - Regional database in line with MSDF and INSPIRE
 - Socio-economic analysis on ML and pilot projects
- **Pilot** actions
- Regional **network** of experts
- Three Regional **conferences**
- Common protocols and new knowledge
 - Better knowledge on marine litter pollution
- **Strategy** for reducing marine litter pollution in the Adriatic Sea



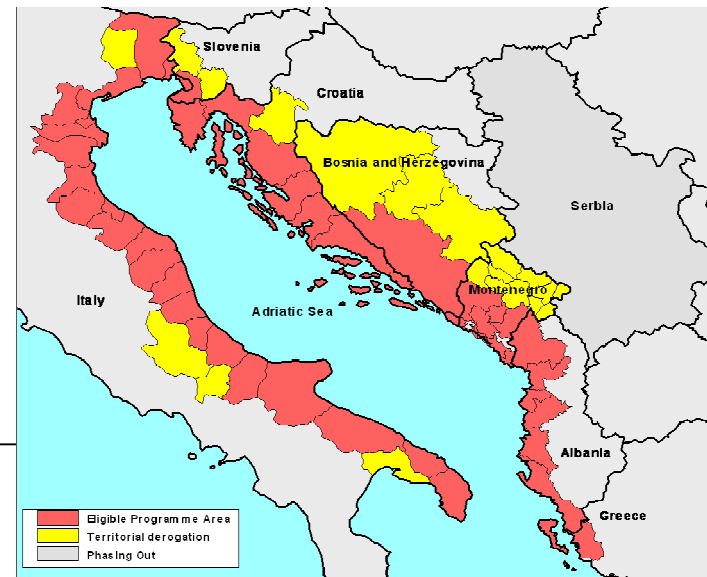
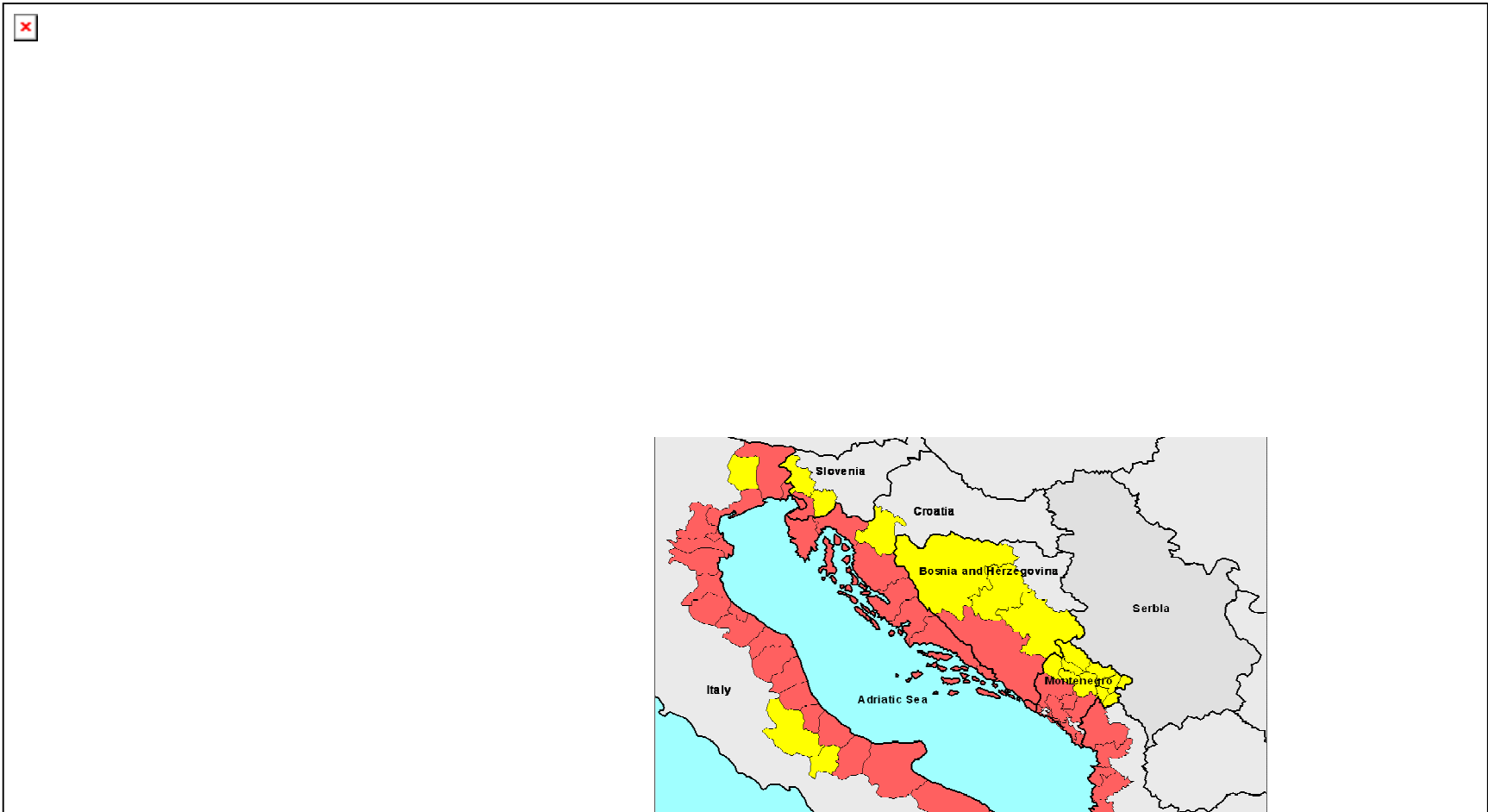
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Partnership: LB, FB, AP



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WPs



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WP4

Marine litter assessment

Mediterranean Information Office for Environment, Culture and Sustainable Development - **FB12**

FB 1, FB 4, FB 5, FB 9, FB 10, FB 12, FB 13, FB 15

Thomas VLACHOGIANNI

WP5

Microplastics

Institute for water of the Republic of Slovenia - **FB5**

LB, FB 2, FB 4, FB 5, FB 6, FB 7, FB 10, FB 13, FB 15

Andreja PALATINUS

WP6

DFG and Fising for litter manag. sys

Mediterranean Consortium - **FB3**

FB 1, FB 3, FB 5, FB 7, FB 9, FB 11, FB 13

Paolo PELUSI



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WP3



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WP3

Capitalization and Sustainability

Public Institution
RERA s.d. For
coordination and
development of
Split Dalmatia
County (RERA) -
FB14

All FBs

Gorana BANIČEVIĆ

- Building on other/past activities/projects
- Networking
- Stakeholder analysis (by country)
- Ensuring continuation after project end
- Strategy handover

Stakeholder meetings:

- Vis (HR), 23-24th October 2014
- Strunjan (SLO), 4th February 2015
- Split (HR), 25th March 2015



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Communication Strategy



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- 11 National info days, 1000+ participants
- 12 Cleanup events
- 3 Stakeholder meetings
- 25 Public presentations
- 10 Co-organized events

- **Conference Combating Marine Litter in the Adriatic MacroRegion**
12-13th May 2014, Athens

150-180 participants,
auspices of Greek Presidency of EU



- **MICRO2015 International Conference on microplastics**
4-6th May 2015, Piran (SLO)

80 participants from 10 countries

- **Summer School**
11-24th June 2015, Nova Gorica (SLO)

45 participants from 9 countries

- **In the wake of plastics' International Conference**
13-15th October 2015, Venice (I)

120 participants from 15 countries (EU, Africa, ME)



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Communication Strategy



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Website, posters, leaflets, brochures

The image displays four communication materials for the DeFishGear project, arranged in a 2x2 grid. Each material features the DeFishGear logo and the website address www.defishgear.net.

- Top Left (Website Page):** Titled "THE DEFISHGEAR PROJECT: The Adriatic Coast and Sea – Litter Free". It includes sections for "Marine litter: a problem of global concern", "The DeFishGear project at a glance", "DeFishGear overarching goal", "DeFishGear expected results", "Key facts", and "Partnership".
- Top Right (Poster):** Titled "Addressing the emerging threat of microplastics". It includes sections for "What are the sources of microplastics?", "Why are microplastics considered a growing threat?", and "Concrete actions to combat marine litter in the Adriatic region".
- Bottom Left (Leaflet):** Titled "Addressing knowledge gaps and research needs to facilitate effective decision making against marine litter and its impacts". It includes sections for "What are the impacts of marine litter?" and "What is needed to tackle marine litter effectively?".
- Bottom Right (Brochure):** Titled "Concrete actions to combat marine litter in the Adriatic region". It includes sections for "There are solutions to the challenging issue of marine litter" and "Other solutions...".

At the bottom of the collage, there is a row of logos for various partners, including the Adriatic IPA, the European Union, and several national and regional organizations. The website address www.defishgear.net is repeated at the bottom of each of the four material panels.

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Communication Strategy



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Monitoring Guidepack

Guidelines for macroplastics and microplastics monitoring in beach sediment, water surface, organisms (fish)

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www.defishgear.net

Methodology for Monitoring Marine Litter on Beaches (Macro-Debris >2.5cm)

Prepared by: Thomas Vlachogianni (IMO-ECSD) with contributions from: Vicky Paraskevopoulou (USA), Vaggelis Katsimpekis (IMO-ECSD), Andrija Paličuš & Željko Tržan (IWRZ), Stjepan D. Muzić & Lujk Alcaraz (IPRA), Christian Mazaletti (AFPA), Christine Zan & Evert Kampen (IWRZ)

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www.defishgear.net

Methodology for Monitoring Marine Litter on the Sea Surface (Visual observation)

Prepared by: Thomas Vlachogianni (IMO-ECSD) with contributions from: Francesca Ranchi, Tiziana Chiaruzzi & Tommaso Fortibuoni (IPRA), Vicky Paraskevopoulou (USA), Vaggelis Katsimpekis (IMO-ECSD), Sotiris Capul & Lujk Alcaraz (IPRA)

DeFishGear
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Methodology for Monitoring Marine Litter on the Seafloor (continental shelf) Bottom trawl surveys

Prepared by: Thomas Vlachogianni (IMO-ECSD) & Jelena Štamenić (IWRZ) with contributions from: Francesca Ranchi, Tiziana Chiaruzzi & Tommaso Fortibuoni (IPRA), Vicky Paraskevopoulou (USA), Vaggelis Katsimpekis (IMO-ECSD), Lujk Alcaraz (IPRA)



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Results overview



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- monitoring results about qualitative and quantitative situation (beach, surface, sediment; micro, macro, nano) under elaboration
- data currently under insertion in a GIS database
- Modelling results indicating points of concentration (gyres, exposed coastal areas) already developed, under refinement
- Evaluation of socio-economic impacts
- >170 tons of ghost nets and macro litter collected so far
- formulation of strategic proposal plan to approach marine litter issue in the Adriatic Sea - to be used also as model approach in other areas



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Let's cooperate!



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