

***State – of – play of recreational craft (RC) disposal/dismantling in Europe.
The Boat DIGEST project.***

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“Disposal of leisure boats: current answers to an old problem”



CONTEXT IN EUROPE



End-of-life recreational craft in Europe. Impacts

6 million recreational crafts (RC)*

Composite materials: main component.
Average lifetime of RC: 30 years.



When reaching the end of their operating life **they need to be correctly disposed of/dismantled**, if not, it may have significant negative **impacts**.



- **Leakage or spills of solid or liquid wastes** (hydrocarbon, oil and liquid from batteries).
- Take up **valuable space** in marinas and have a **negative visual impact**.
- **High collateral damage** to other boats moored nearby.
- The **image of a port** can be hardly damaged



MAIN PROBLEMS



What are the main problems that define the current situation?

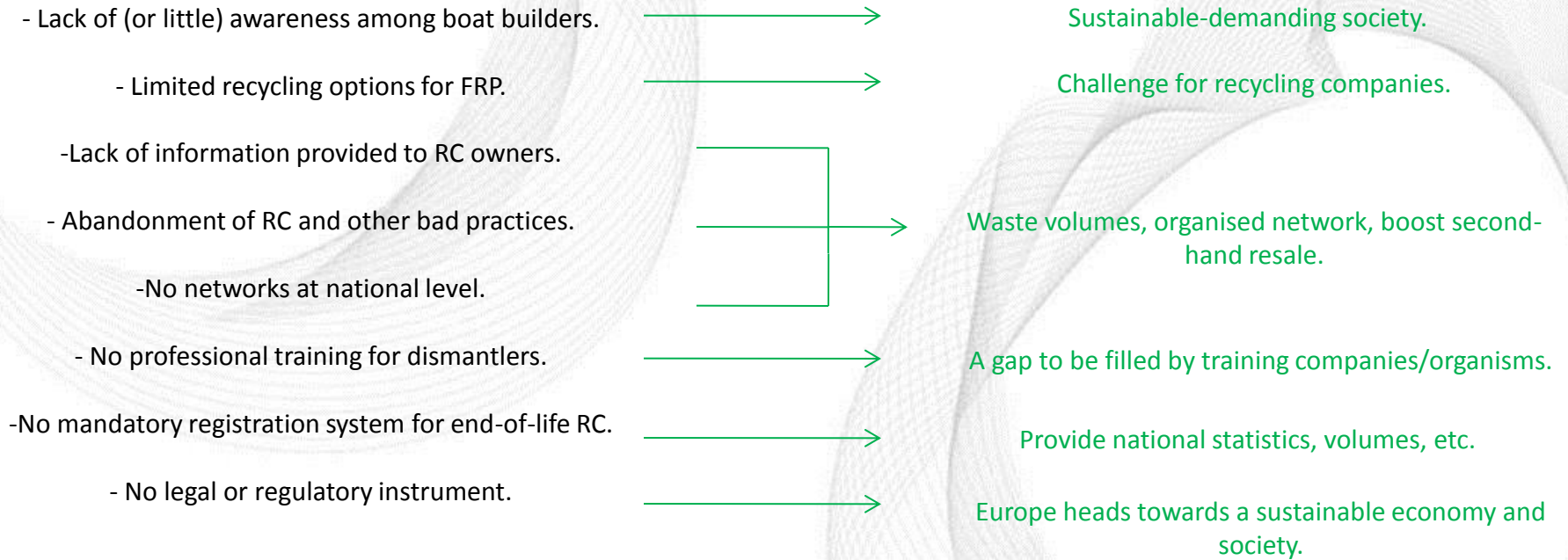
- Lack of (or very little) awareness among boat builders.
 - Limited recycling options for FRP.
- Lack of (or little) information is provided to RC owners.
 - Abandonment of RC and other bad practices.
- No professional training for dismantlers on how to dismantle RC.
 - No networks at national level (apart from APER).
 - No mandatory registration system for end-of-life RC.
- No legal or regulatory instrument that requires the recycling of RC or the correct management of abandoned craft in Europe.



OPPORTUNITIES



What are some of the **opportunities** we find?





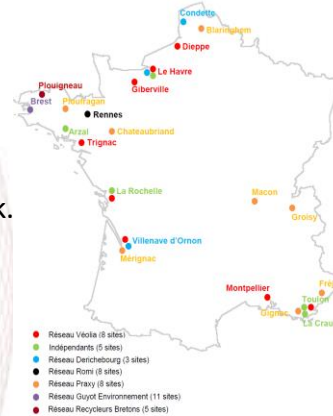
PROGRESS IN EUROPE (I)



What is happening in Europe in relation to end-of-life recreational craft?

FRANCE

APER network.



FINLAND

2005: Finnboat & Kuusakoski

Kuusakoski provides a complete commercial disposal service using its existing infrastructure but at the minimum possible cost to the user.

GRP from boats currently goes to landfill.



PROGRESS IN EUROPE (II)



What is happening in Europe in relation to end-of-life recreational craft?

ITALY

UCINA has worked during the past years on ELB:

- Italian Maritime TP
- ELB studies
- FRP recycling technology solutions
- Currently working with a recycling company on the project of a pilot plant.

SPAIN

Boats dismantled in port facilities & in scrapyards.

Many agents have shown interest in end-of-life RC:

- Car dismantlers,
- Recyclers
- Marinas
- Nautical-related companies and associations,
- Research centres, etc.



EU PROJECTS AND INITIATIVES (I)



2009 - ONGOING

2009-2012

Several **EU projects** have been carried out: BOATCYCLE project , EURECOMP project.

2010

Workshop on end-of-life recreational craft during the European Maritime Day in 2010 in Gijón, Spain.

2011

DG ENV study on the Recovery of obsolete vessels not used in the fishing trade

2012 - ongoing

End-of-life boats (ELB) working group.

2013 - ongoing

New recycling processes



EU PROJECTS AND INITIATIVES (II)



BOAT DIGEST – Boat Dismantling Insight by Generating Environmental and Safety Training

The aim of the **BOAT DIGEST** project is to improve the health and safety standards of recreational craft dismantling practices and address skill gaps, while at the same time raising the awareness of end of life responsibilities and options for recreational craft owners.



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EU PROJECTS AND INITIATIVES (III)



BOAT DIGEST – Work plan

WP1 – Project management

WP2 – Identification of Needs and User Capabilites

Workshops in UK, Spain, France, Italy, Turkey

Questionnaires

WP3 - Review of Innovative Products and VET

WP4 – Development and Adaptation of Awareness Module Content for RC Owners

WP5 – Development and Adaptation of Training Module Content for RC Dismantlers VET

WP6 – Development of Delivery Mediums for VET and Awareness Module

WP7 – Piloting, Evaluation and Validation

WP8 – Valorisation and Dissemination

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THANK YOU FOR YOUR ATTENTION

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