

Network of dismantling recreational craft in France

METS 2015



APER
LA PLAISANCE
ÉCO-RESPONSABLE

Introduction

APER is a non profit organization, created in 2009 by the French Nautical Industries Federation.

The objectives are to:

- ▶ build a responsible image of the boating industry,
- ▶ meet current and future environmental conditions
- ▶ control of financial balances and dismantling costs,
- ▶ initiate a process free of any legislative external constraint,
- ▶ propose an ecological and economical solution for the RC dismantling

Recognition

- ▶ 1st Dismantling network in Europe

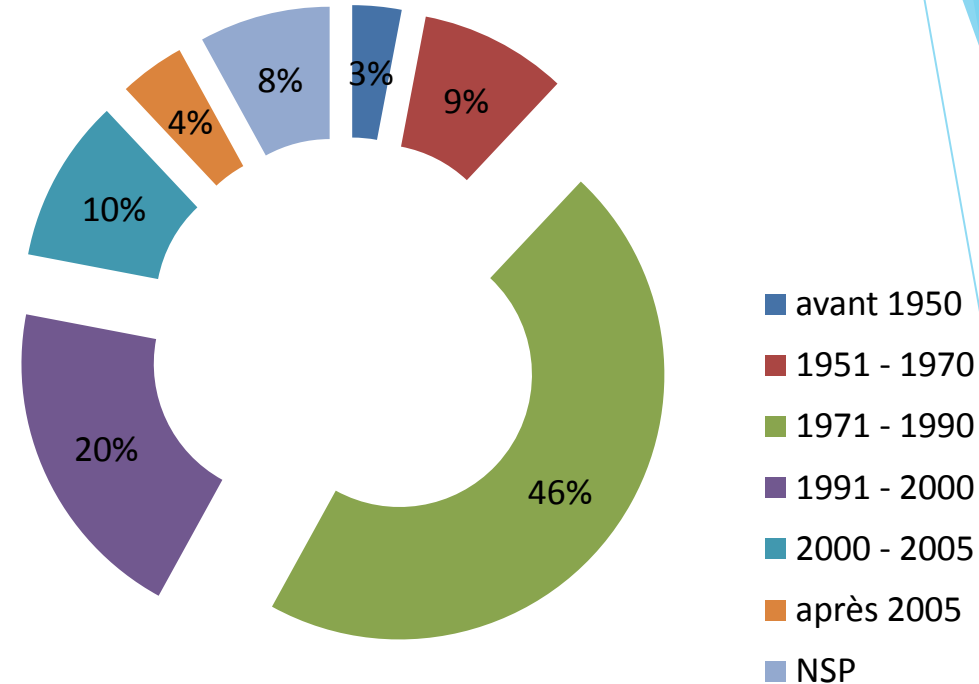
- ▶ Recognition by the French Government

« La filière nautique est une filière porteuse et une filière d'excellence. Elle exporte, elle se renouvelle et sait s'adapter aux nouveaux enjeux, et j'en veux pour preuve la création de l'Association pour la Plaisance Eco-Responsable, dont le but est d'organiser une filière de déconstruction des bateaux. Cette filière réunit des entreprises en mesure de détruire et recycler des bateaux, dans le respect des normes environnementales. Il y a là un marché porteur qui répond à des préoccupations citoyennes. »

Inventory

80 % boats built before 2000

58 % boats built before 1990



- 991 573 registered boats (95 % – de 24m) August 31, 2011 with 16 319 new registrations
- 546 000 registered recreational boats are active
 - 386 000 (- 6m) et 160 000 (+ 6m)
- average age of boats in 2008: 23 years

Dismantling network

19 compagnies & 52 sites of dismantling provide economical and environmental sustainable solutions around the French coastline (25 departments of metropolitan coast).



- Réseau Véolia (8 sites)
- Indépendants (6 sites)
- Réseau Derichebourg (3 sites)
- Réseau Romi Recyclage (8 sites)
- Réseau Praxy (8 sites)
- Réseau Guyot Environnement (12 sites)
- Réseau Recycleurs Bretons (6 sites)

Dismantling regulation

The network of dismantlers consists exclusively of waste management professionals. All the sites must be: Installations Classified for the Protection of the Environment (ICPE), 2712-2, with an official authorization for the activities:

- ▶ storage,
- ▶ remediation,
- ▶ removal or
- ▶ clipping.

Dismantlers approved by APER provide to the customers guarantees on the quality and reliability of dismantling:

- ▶ Working with a professional dismantler,
- ▶ Benefit from his knowledge and expertise,
- ▶ Respect of administrative rules: Installations Classified for the Protection of the Environment (ICPE)
- ▶ Ensure recycling of waste,
- ▶ Propose a proximity action of dismantling

Issues

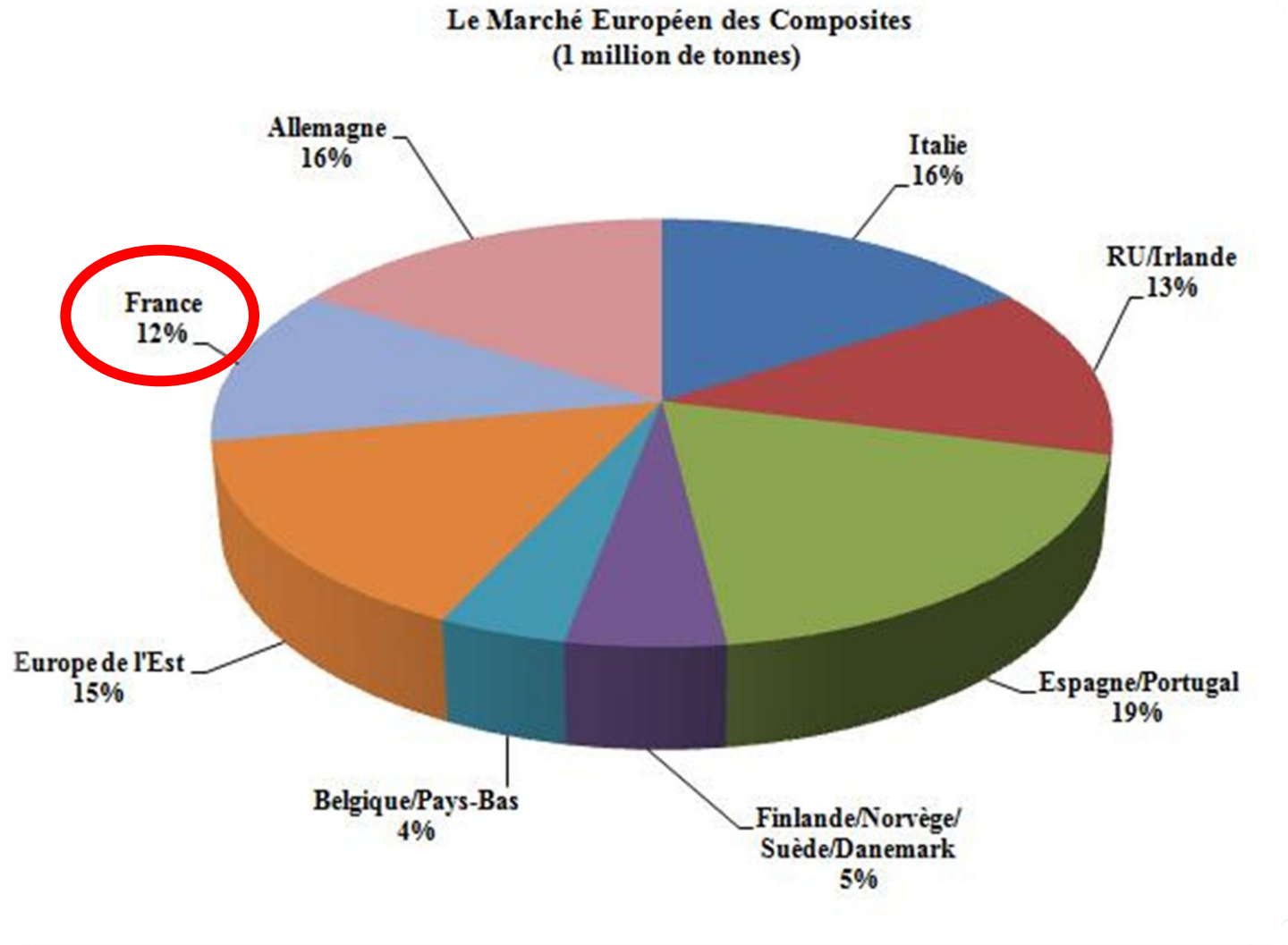
The double issue of the composite valorisation:

- Economic challenge to improve the economic model
- Environmental issue to initiate the material recovery sector

Meeting this challenge will require:

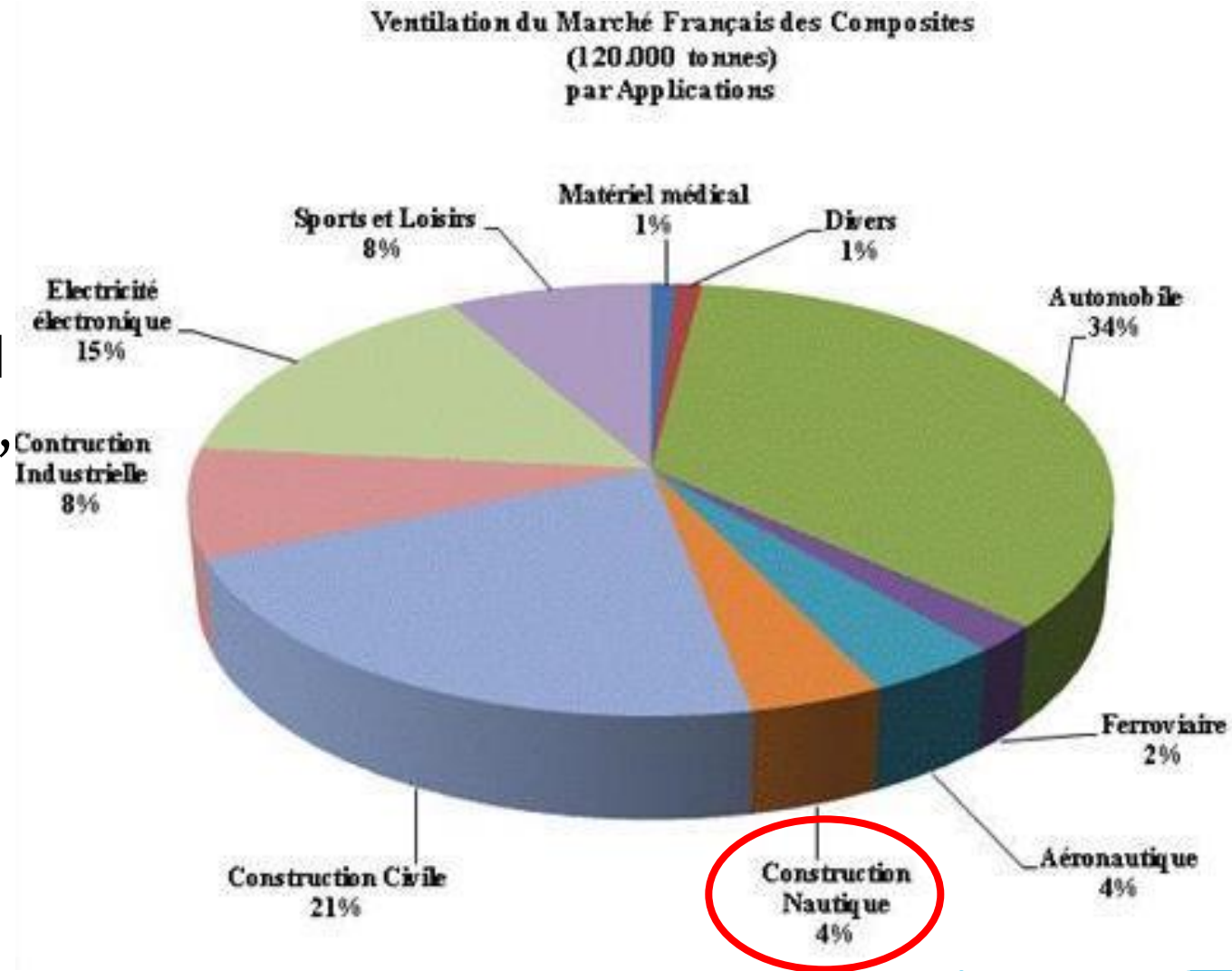
- Securing volumes of boats (frequency + quantity)
- Densify volumes by a multisectoral approach
- Find logistics solutions for deposits
 - ▶ Production Falls
 - ▶ End of Life Products

Fiberglass market

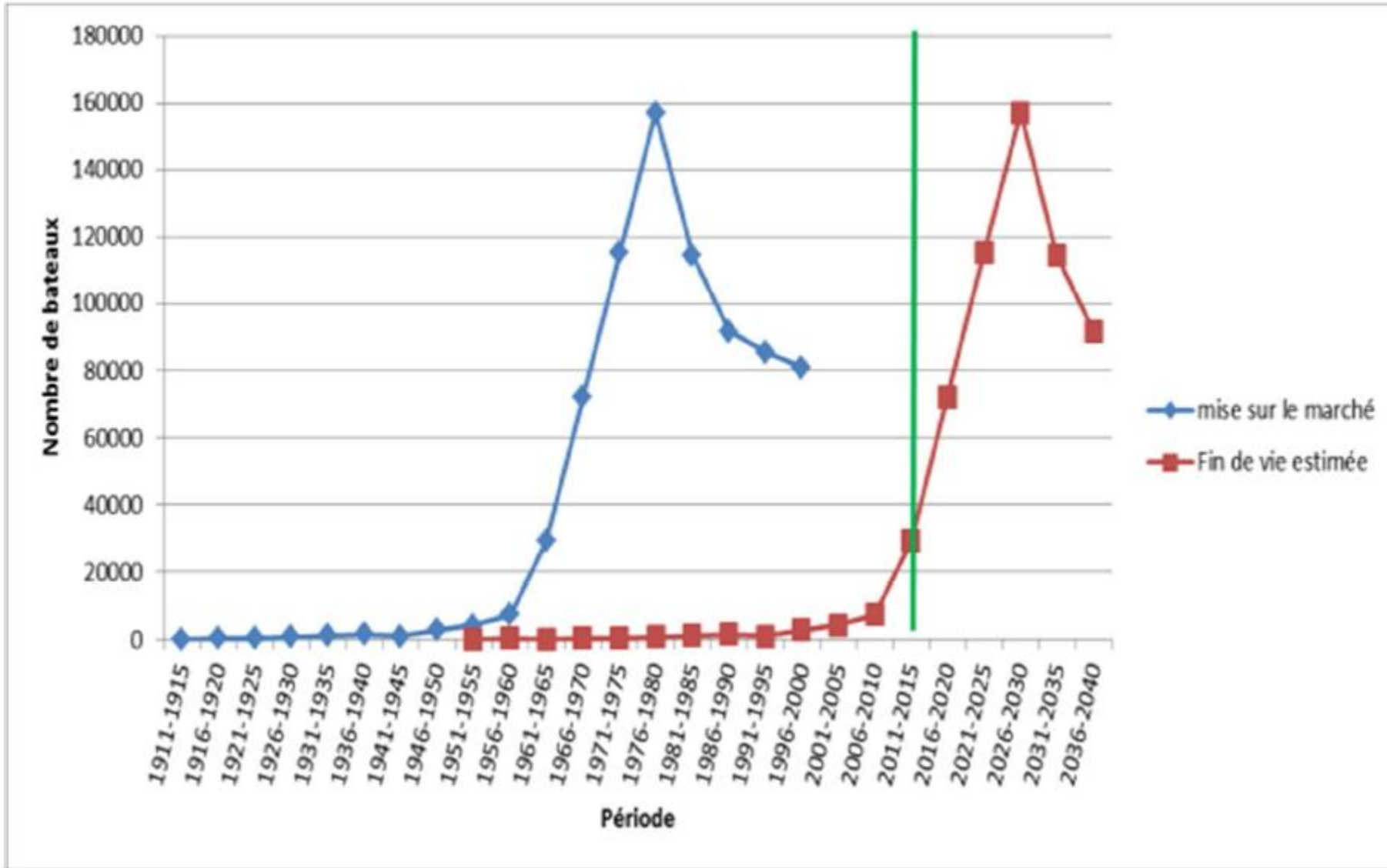


Fiberglass market

On the 200,000 tons of fiberglass processed each year in France, Boatbuilding represent 4% or 8,000 tons of composite



End of life boat deposit



Financing dismantling

The quote for dismantling the boat is established on the following basis:

1. Transportation	30 %
2. Dismantling / Clean-up	50 %
3. Waste management	20 %

This allocation is valid for boats from 5 to 12m.

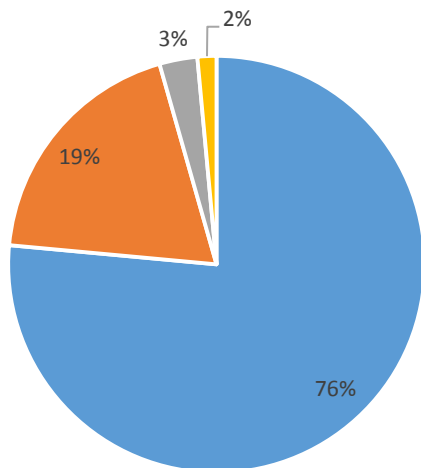
Statistical data - 2014

	Prix moyen (€ HT)	Number (2014)	
Boat - 4 to 5m	540 €	180	Variation 250 € > 1225 €
Boat - 6 to 7m	838 €	94	Variation 680 € > 1017 €
Boat 8m	1 822 €	76	Variation 760 € > 6638 €
Boat - 9 to 12m	4 308 €	50	Variation 890 € > 6 170 €

Statistical data

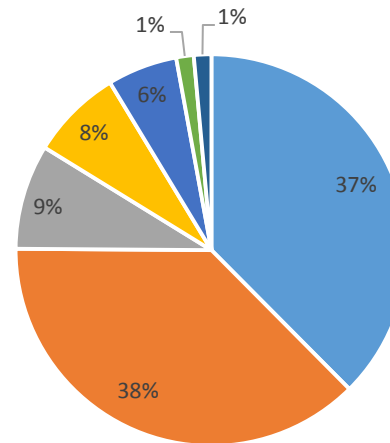
Boats dismantled	2012	2013	2014
Average size (m)	7,66	7,90	8,10
Average price (€ HT)	1 207 €	1 433 €	1 594 €
Average age	30	30	35
Number of boats	200	360	400

Kind of materials



■ Composite ■ Wood ■ Steel ■ Aluminium

Kind of boats



■ Motor ■ Sail ■ Fish ■ Barge ■ Light sail ■ Semi rigid pneumatic ■ Other

Dismantling example (Golf)

Year built: 1965
Hull length: 6.5m
Hull Beam: 2.26m
Weight: 1300 kg
Type: Sailing boat



Negative valorisation		Positive valorisation	
Black water	320 L	Cast iron	472 kg
Wood (A+B)	175 kg	Aluminium	24 kg
DIB	175 kg	Stainless steel	26 kg
Composite	280 kg	Foam	15 kg
		Steel	40 kg

967 € HT

- Broken mast > 25 €
- Transportation > 350 €
- Dismantling, Clean-up, waste management > 520 €
- Hazardous waste management > 72 €

Network dynamic

France is the first European country to adopt a genuine organized recycling and dismantling network for boats.

The success of this network is: concertation, organisation & federation.

To ensure recognition and credibility of the network, APER coordinate closely with all stakeholders (dismantlers, institutional partners and authorities) actions in France.

Dismantling of boats is now a reality in France:

- www.recyclermonbateau.fr website: support and advise to owners in order to find an environmental and economical solution.
- a network with 20 compagnies & 52 dismantling sites all over France

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