

End-of-life boats

RAP ML RS1

Development of best practice on the disposal of old pleasure boats



What is the problem?

- Leisure boat = a boat with a hull length of 2,5m to 24 m. (EU's Recreational Craft Directive (2013/53/EU))
- 6 to 6,5 million leisure boats in the EU.
- Robustly 95% of the leisure boats are 12m in length or less, according to EC.
- Boat that is at its end-of-life is called an ELB.
- According to European Boating association (EBA) in Europe, yearly, approximately 80 000 boats reach their ELB status. Only 2 000 of those are dismantled in a proper way.
- Boats are mainly made of FRP (Fibre Reinforced Plastic), which has a low or no material value, at the moment.

What is the problem?

- Landfilling of ELBs is not a possibility anymore, due to Directive 1999/31/EC, which bans landfilling material that has a TOC value of 10% or higher.
- FRP is usually treated with antifouling-paints, containing copper and zinc at least. In many cases boats that are old also contain TBT and other organitins.

Status 9-2018

- Task: To develop a best practise model for scrapping ELBs.
- Background data gathering ongoing
- Challenges:
 - Not much data available from open sources
 - Data requests take time or if successful at all (many have been made)

Knowledge gaps: Number of boats

Country	Number of boats	Year	Source
Finland	1 160 000	2016	ICOMIA
Germany	483 000	2016	ICOMIA
Poland	68 940	2014	ICOMIA
Sweden	754 300	2016	ICOMIA
Denmark	250 000 - 370 000	2013	Eklund B., et al., 2013

- Updates from all countries are welcomed, if available.
- Number of boats, data needed from the following countries:
 - Rus
 - Lit
 - Lat

Knowledge gaps: legislation

- National legislation on ELB, data needed from all countries.
 - Are ELBs mentioned
 - If mentioned, how are they treated as (litter?)

Knowledge gaps: waste flow

- Possible waste flow calculations on future ELB-situation. Data needed from all countries, if any made.



Knowledge gaps

- Known good practices? Please share them or give a contact name, from whom to ask.

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Knowledge gaps

- Recycling/energy recovery. How is FRP recycled/reused in different countries, data needed:
 - Cement production
 - Something else?
 - Research projects?

