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### Recyclable structural composites for marine renewable energy

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# Recyclable structural composites for marine renewable energy

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# RECYCLABLE STRUCTURAL COMPOSITES FOR MARINE RENEWABLE ENERGY

#### Research guestion?

In the marine environment:

- metals corrode
- wood rots
- composites survive

Can we make a

sustainable composite structure that is not a problem at end-of-life?

#### **University of Plymouth research activities**

Manufacture by monomer infusion under flexible tooling (MIFT) natural fibre reinforcement

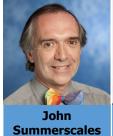
acrylic (PMMA) or polylactic acid (PLA) matrix Demonstrator component ... to be decided/informed by you? Life Cycle Assessment (LCA) using SimPro software

keep in touch:

http://www.seabiocomp.eu/interest group/



## The University of Plymouth Team





Jasper



Meng





**Graham-Jones** 

Richard **Pemberton** 

**Richard** Cullen







