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Recyclable structural composites for marine renewable energy

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RECYCLABLE STRUCTURAL COMPOSITES FOR MARINE RENEWABLE ENERGY

Research question?

In the marine environment:

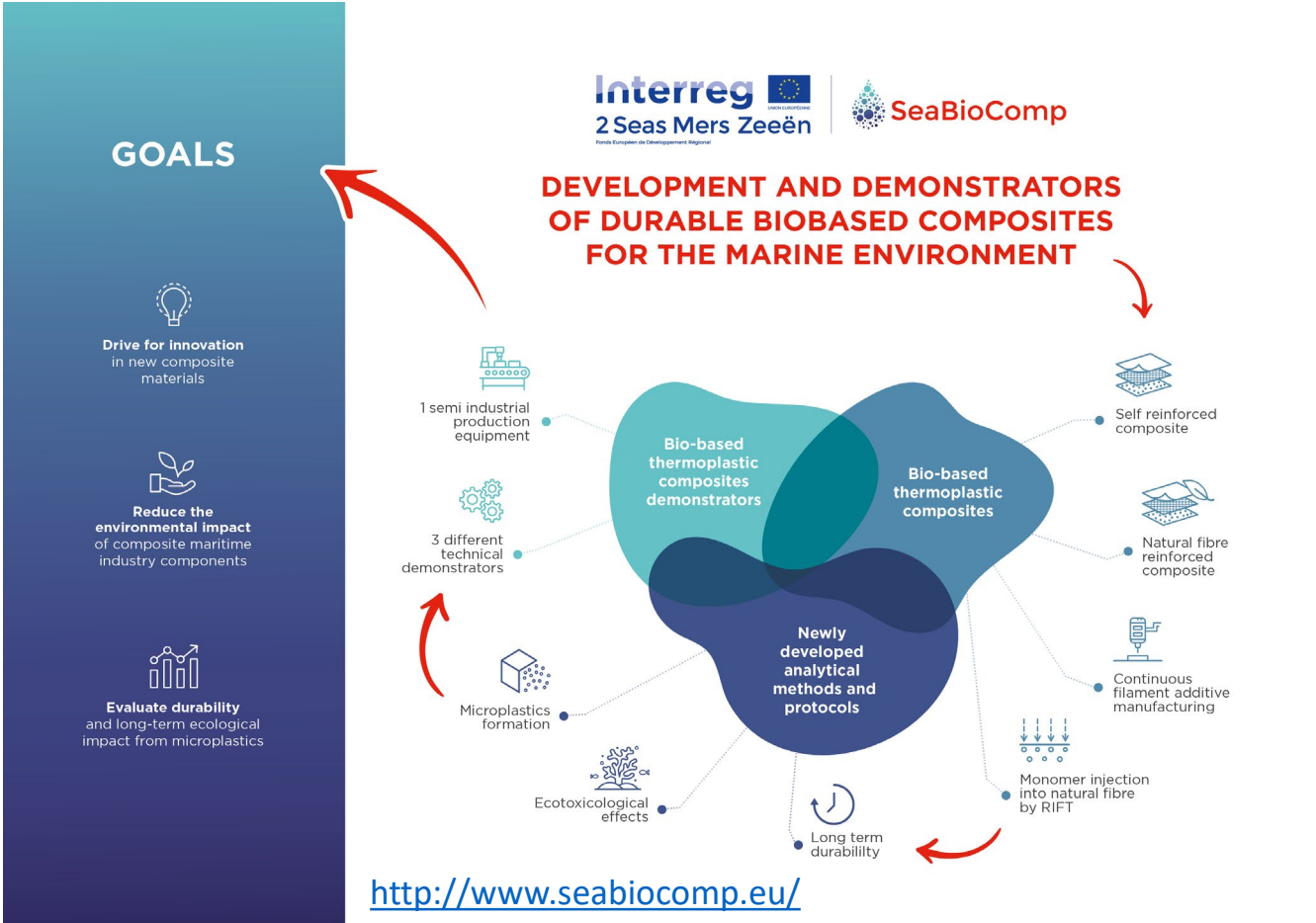
- metals corrode
- wood rots
- composites survive

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

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