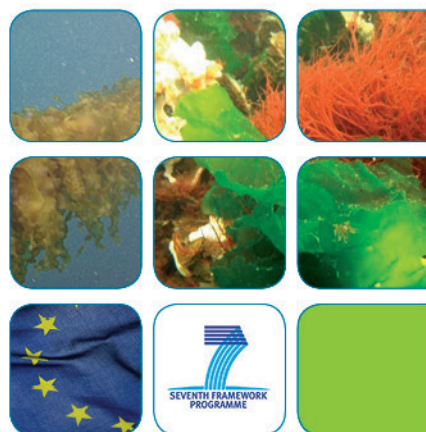




Advanced textiles for open sea biomass cultivation



Work programme: FP7-NMP-2011-SME-5
 FP7 project number: 280860
 Starting date: April 1, 2012
 Duration: 36 months
 Coordination: SIOEN Industries nv
 Consortium: 11 partners
 Budget: 4.7 Mio Eur
 Funding: 3.4 Mio Eur



Advanced textiles for open sea
biomass cultivation



Advanced
textiles
for open sea
biomass
cultivation



FP7-NMP-2011-SME-5



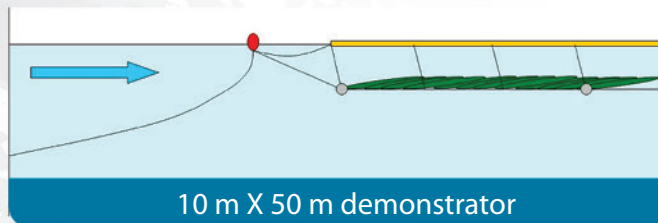
www.atsea-project.eu



OBJECTIVES

Development of novel textile materials for 3 different elements of the aquatic biomass cultivation farms:

- advanced **3D multilayer textile substrates** for seaweed cultivation
- advanced **textile based cables and connections** to position and anchor the 3D multilayer textile substrate
- advanced **coated textiles** for flexible and light-weight floatation tubes, and storage and transportation tanks



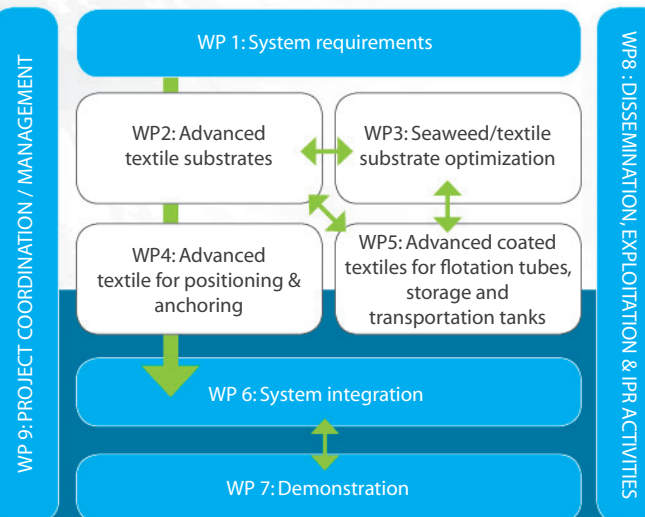
NEEDS

- High demand for renewable and sustainable energy
- High demand for sustainable/ biobased materials
- Solve food/energy nexus

CONCEPT

- Development of advanced textiles to facilitate open sea cultivation of aquatic biomass (seaweed), as a high-potential source for renewable energy, fuels and biomaterials

Advanced textiles for open sea biomass cultivation



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