

Title: An ocean of opportunities: innovative approaches to sustainable use of marine resources

Dr. Kristian Spilling is a senior scientist at the Finnish Environment Institute (SYKE)

#### Abstract

The ocean provides opportunities for developing new solutions for biomass-based materials and energy. Using the Baltic Sea as a case study, the EU's Submariner network has identified promising technologies and innovations for sustainable use of marine resources. New sources of biomass include macroalgae, microalgae, mussels and reed. In this talk I will present these cases, the potential uses of the biomass, the possible environmental benefits and the challenges of developing blue growth in the Baltic region.