



SPIRE-01-2014

## CONSENS

**Full Title:** Integrated Control and Sensing for Sustainable Operation of Flexible Intensified Processes

**Aim:**

The main goal of the CONSENS project is to advance the continuous production of high-value products that meet high quality demands in flexible intensified continuous plants by introducing novel online sensing equipment and closed-loop control of the key product parameters.

**Concept:** CONSENS will focus on flexible continuous plants, but the results in the areas of sensing, control, and performance monitoring will be transferable to large-scale processes. The research and development is driven by industrial case studies from three different important areas of chemical production: complex organic synthesis, speciality polymers, and formulation of complex liquids.

**Start date:** 01/01/2015

**End date:** 31/12/2017