The PRODIAS Project

PRODIAS aims at providing novel cost- and energy-efficient downstream technologies for processing products based on renewable feedstocks. Facing the challenges of energy efficient water removal & selective product recovery technologies, PRODIAS fosters a successful development of sustainable solutions by designing Methods, Technologies, Process Steps and Apparatus to efficiently process diluted aqueous systems.

PRODIAS develops:

- Cost-effective separation technologies; single technologies and/or hybrid systems
- Novel, optimized apparatus and machinery
- An integrated design approach for the fast-track selection of appropriate technologies

**PRODIAS CONSORTIUM**

**GOALS & IMPACTS**

Increase efficiency of raw material use + production processes via smart separation steps.
- Decrease CAPEX and OPEX via shorter process chains.
- Decrease production costs via increased efficiencies, less energy and utility usage for renewable-based products.

**PRODIAS challenges:**

- Cost-competitiveness of products
- Complex reaction mixtures
- Processing highly diluted aqueous systems
- Energy intensive downstream processes
- Design smart downstream separation steps

**Integral Design Approach:** IMPERIAL COLLEGE and all partners

**PRODIAS CONSORTIUM**

**ABOUT THE PROJECT**

- Start date: 1st January 2015
- Duration 48 Months, until 31st December 2018
- Budget: 14 million €
- Project web site: www.spire2030.eu/prodias/