



Cross-sectorial REal-time sensing, advanced COntrol and optimisation of BAch processes saving energy and raw materials

<http://www.spire2030.eu/recoba/>

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Co-ordinator: Omar Naeem

Omar.naeem@basf.com

Consortium Partners

3 Industries

3 Research Institutes/Universities

2 SMEs



Challenges

Scientific technical goals

- Innovative sensor techniques
- Innovative process models
- Combined control and optimisation methods

Technological impact:

Higher and consistent quality

Economic impact:

Increased energy and resource efficiency

Environmental impact:

Reduced Carbon footprint

Exemplary Processes

Polymerisation process (BASF)

Contact: Omar Naeem omar.naeem@basf.com

Liquid steelmaking process (TKSE)

Contact: Sabine Will sabine.will@thyssenkrupp.com

Silicon refining process (ELKEM)

Contact: Kjetil Hildal kjetil.hildal@elkem.no