

## CURRENT FOCUS

Now in the final half of the BIOGO project key milestones in the project are on the horizon. In the summer of 2016 the catalyst selection will be agreed, the reactor design for the syngas processing confirmed, the optimal configuration of the catalytic bed will be finalised and the selection of the processing route for the BIOGO mini plant operation.

By the end of November 2016 the continuous nanoparticle synthesis route will be fully

implemented and ready for the production of nanoparticles, the catalysts for use in the higher alcohol synthesis will have been optimised, the structured reactor tests completed and bio-oil hydrogenation tests in the BIOGO reactor design completed.



Micro-reactor coatings



Magnetic-core catalyst

## 2017 MILESTONES

MAY 2017

Assembly of the BIOGO mini plant

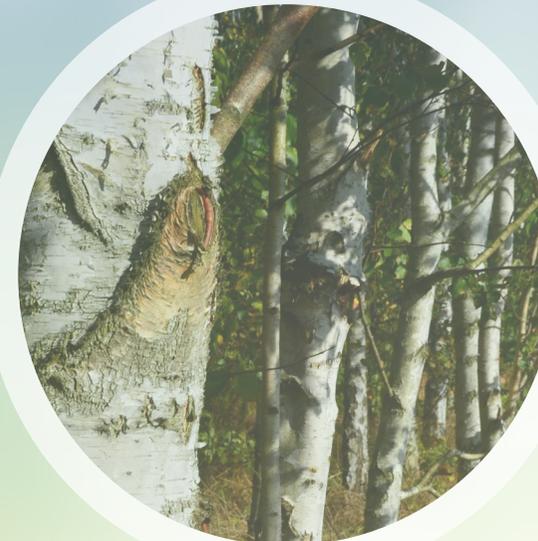
NOVEMBER 2017

Operation demonstration

## PROJECT COORDINATOR

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# BIOGO



## EFFICIENT BIOFUEL CONVERSION

Using nanocatalysts and micro-reactors to improve biofuel production

[www.biogo.eu](http://www.biogo.eu)

## PROJECT OVERVIEW

The BIOGO project intends to create a fully integrated and comprehensive process for the production of biofuels using novel heterogeneous nanocatalysts and sustainable resources. This process will be integrated with the enabling functions of innovative micro-reactor technology developed in the project. BIOGO will exploit the special properties of nanocatalysts to improve process efficiency through intensification and thereby target some of the challenges facing Europe's petro-chemical industry today.



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## PROJECT PARTNERS

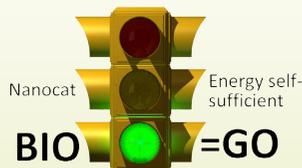


Innovation in Motion



## PROJECT FUNDING

Supported by the European Community  
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## PROJECT GOALS

1

Design, develop and prepare highly advanced nanoscale catalysts at an industrially relevant scale for the conversion of bio resources to liquid fuels.

2

Develop and demonstrate a process that converts renewable bio-oils and bio-gas to synthesis gas for subsequent catalytic transformation into biofuels and chemical platform products.

3

Reduce the dependence on rare earth oxides and precious metals for the catalyst formulations applied throughout the BIOGO project.