



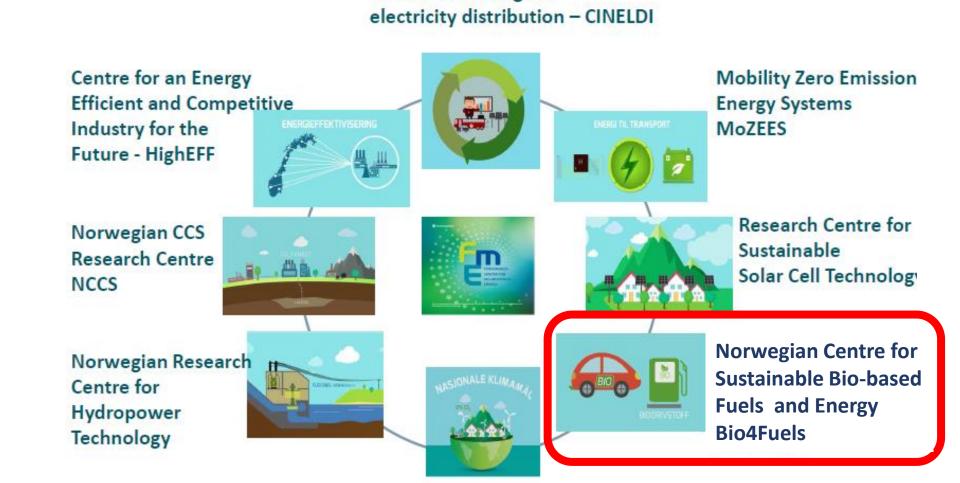
The Research Council of Norway

# Norwegian Centre for Sustainable Bio-based Fuels and Energy



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## National Centres for Environmentally Friendly Research (FME)



The Research Centre on Zero Energy Neighbourhoods in Smart GitiesmoZEN Centre

### BIO4 FUELS

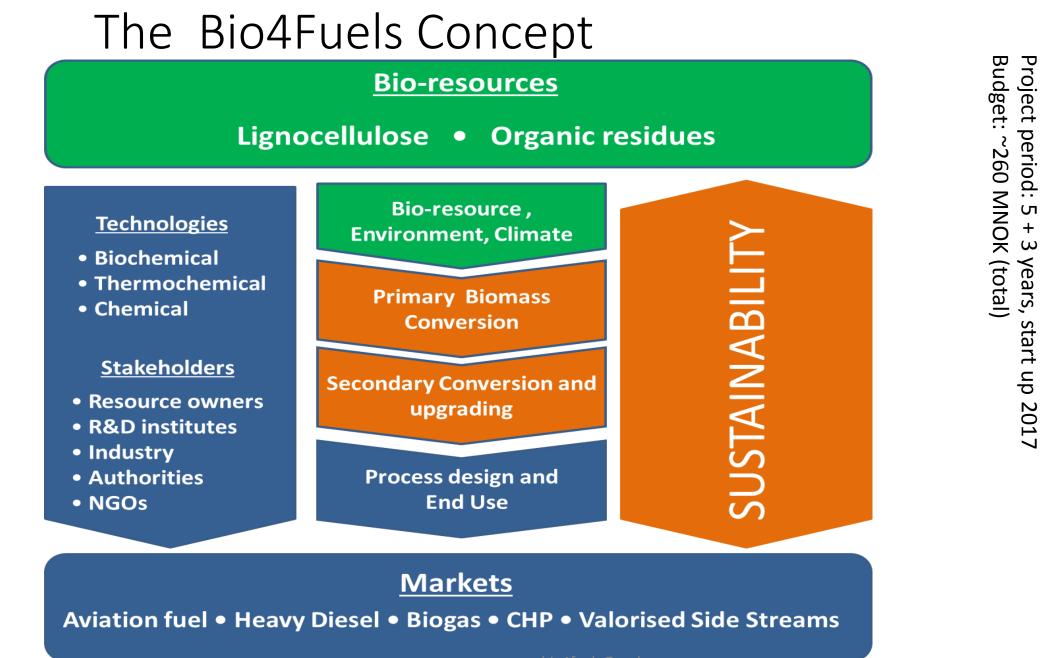




From plenary meeting September 2 – researchers and industry discussing details

Main objectives:

develop innovative technology and support industries to realize economic and sustainable conversion of <u>lignocellulosic</u> biomass and organic residues to <u>transportation fuels</u>, along with added value chemicals, heat and power"

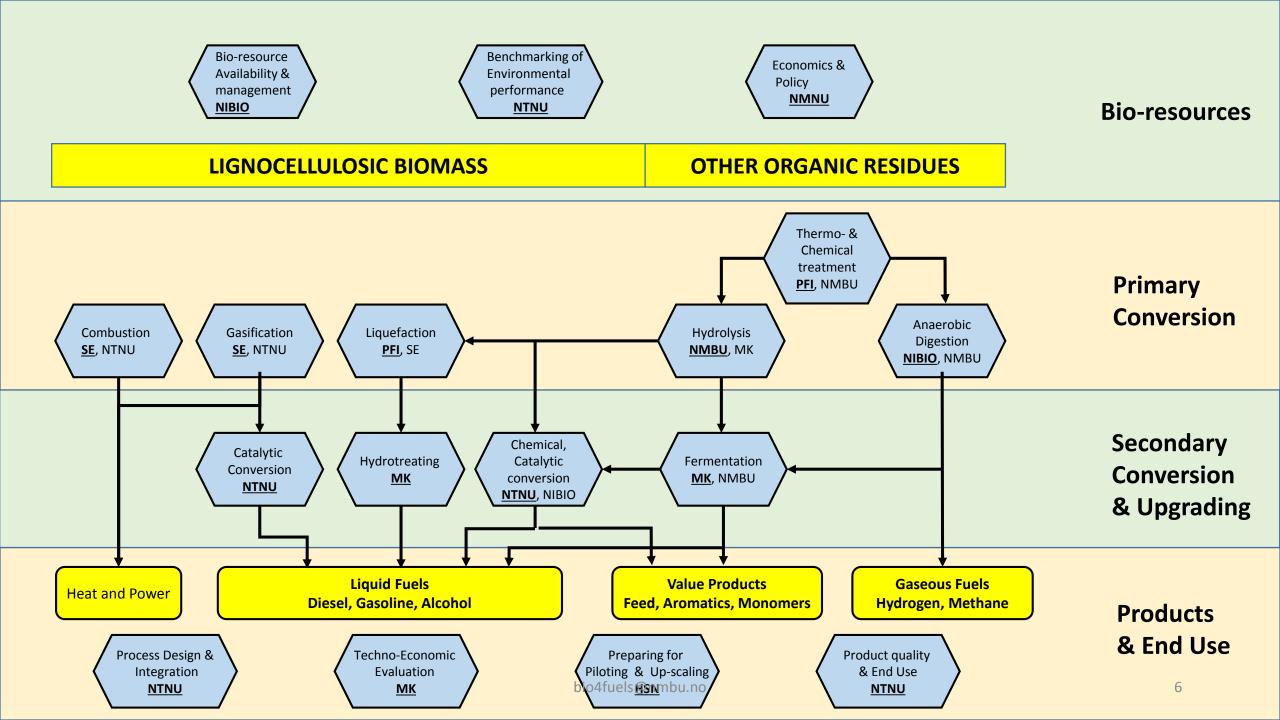






## Secondary Objectives

- Establishing a framework for producing biofuels and bioenergy from renewable Norwegian resources, thereby enabling a reduced global CO<sub>2</sub> footprint from the energy and transport sector
- Identifying the five most sustainable value chains, bringing at least two of them to pilot stage
- Achieving up to 20% increase of overall product yield and up to 30% reduced processing costs within the main value chains compared to the current state of the art
- Integrating research fields to develop at least one new conversion technology and at least three processes for value added products in a biorefinery setting
- Broadening feedstock for integrated and standalone heat and combined heat and power



#### Partners: Industry, NGO's, public bodies, international

BIO

**FUELS** 



RIENDLY ENERG

The Research Council of Norwa