

**PROJECT TITLE: Value-optimised use of biomass in a flexible energy infrastructure**

**PROJECT ACRONYM: VABIFLEX**

**ABSTRACT**

The overall objective of the VABIFLEX project is to develop new technologies and concepts that improve the value of bioenergy resources in an energy system that is dominated by variable renewable energy (VRE) such as wind and solar. This is pursued by 1) Development of new bioenergy solutions to serve energy markets with a high need for flexibility; 2) Significantly extending the flexibility of known bioenergy technologies; 3) Identification of costs, benefits and development needs for potential bioenergy concepts in a VRE dominated energy system; 4) Improved understanding about the economic, social and environmental sustainability of biomass used in a flexible energy system; and 5) Accelerating the deployment of flexible bioenergy technologies via market assessments and development of potential business plans. The potential market for the technologies and tools developed in the VABIFLEX project is huge - renewables are set to represent 3/4 of \$10.2 trillion the world will invest in new power generation until 2040 (BNEF, New Energy Outlook 2017)..

Start date: 1st of August 2018

End date: 31st of August 2020.

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