

FLEDGED

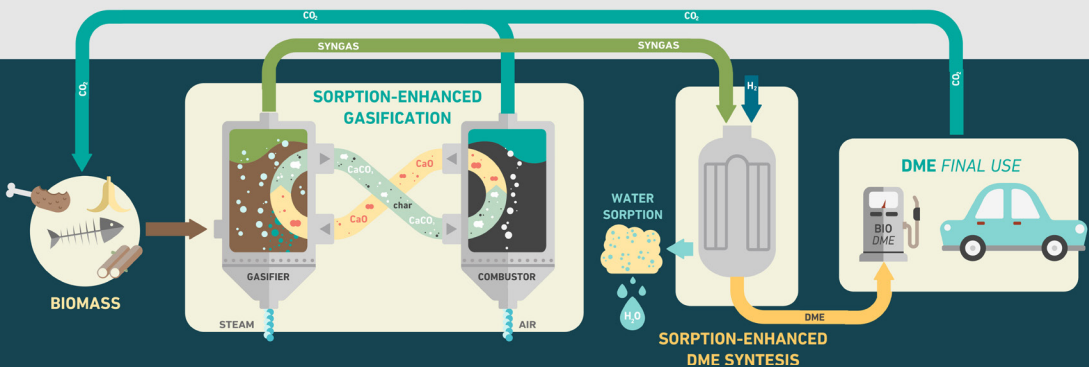
Final Workshop

“FLEDGED Project: flexible Sorption Enhanced processes for biomass to DME conversion”

27-28-29 October 2020, 16:00-18:00



Registration on: www.fledged.eu/finalwebinar/



27th October 2020

Process integration, waste-to-fuel, risk and sustainability analysis

16:00	Overview of the FLEDGED project	Matteo C. Romano, <i>Project coordinator</i> Giulio Guandalini, <i>Dissemination manager</i> (Politecnico di Milano)
16:10	DME – Solution for Transport Applications of Today and Tomorrow	Werner Willems, <i>Technical Expert</i> (Ford)
16:30	Integrated process techno-economic evaluation and flexible Power-to-DME operation mode	Alessandro Poluzzi, <i>Research Scientist</i> (Politecnico di Milano)
16:45	Risk assessment of biomass to DME industrial plants	Thangavelu Jayabalan, <i>R&D Engineer - Process safety</i> (INERIS)
16:55	Environmental life cycle assessment of DME produced from biomass	Filippo Sessa, <i>Sustainability Specialist</i> (Quantis)
17:05	Socio-economic analysis of biomass based DME production and use	Simone Schucht, <i>Environmental Economist</i> (INERIS)
17:15	An example of circular economy: municipal waste collection, recycling process and DME synthesis integration	Rubén García Cano, <i>R&D Process Engineer</i> Julio César Aparicio Gaya, <i>Innovation Manager</i> (Econward)
17:30	Open discussion & round table	

28th October 2020

Sorption Enhanced Gasification

16:00	Overview of the FLEDGED project	Matteo C. Romano, <i>Project coordinator</i> Giulio Guandalini, <i>Dissemination manager</i> (Politecnico di Milano)
16:10	Experimental activities in 30 kWth Bubbling Fluidized Bed gasifier at ICB-CSIC	Isabel Martínez, <i>Research fellow</i> (CSIC-ICB)
16:30	Pilot scale experimental campaigns in dual circulating fluidized beds	Selina Hafner, <i>Research Scientist</i> (University of Stuttgart)
16:50	Three-dimensional simulation of sorbent enhanced gasification	Kari Myöhänen, <i>Adjunct Professor</i> (Lappeenranta University of Technology)
17:10	Large scale gasification unit for biomass-to-fuels: feasibility and economic analysis	Juha Palonen (Sumitomo SHI FW)
17:30	Open discussion & round table	

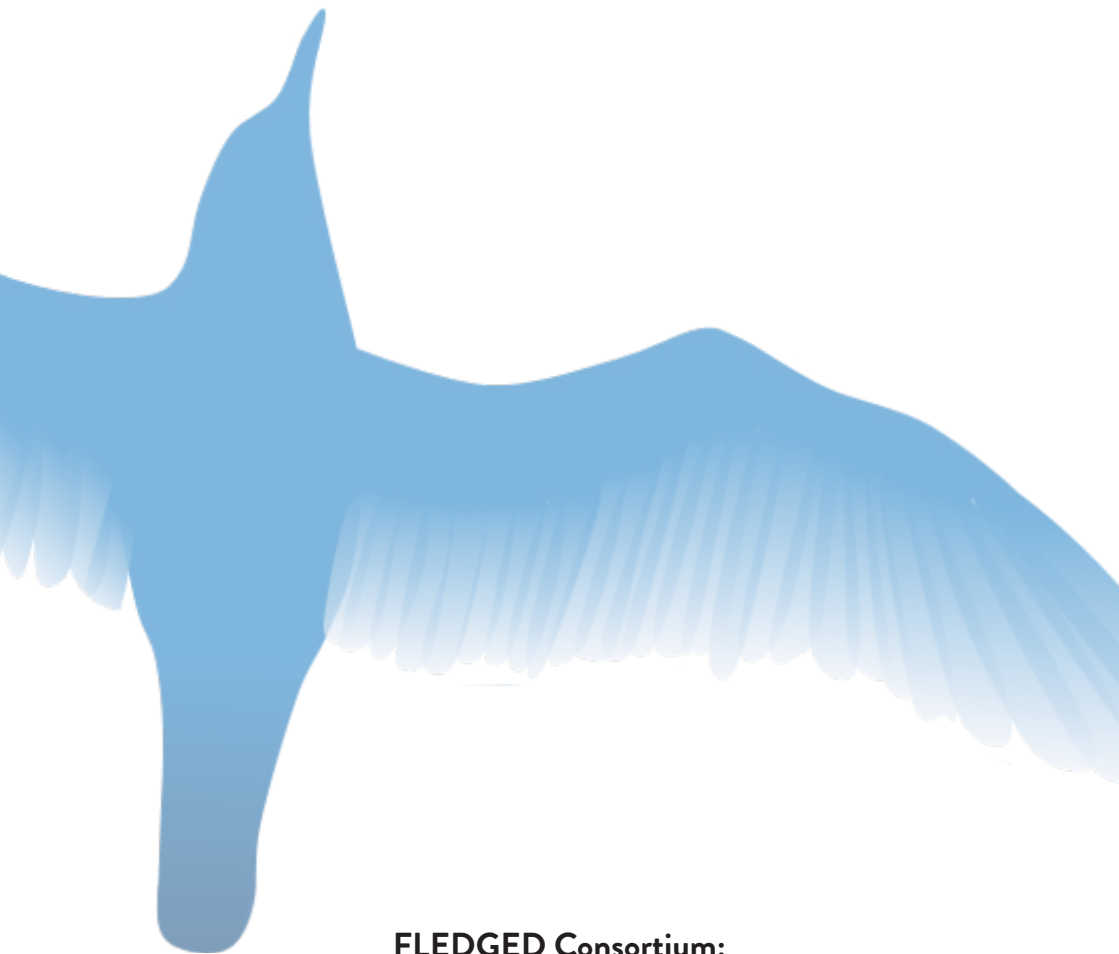
29th October 2020

Sorption Enhanced DME Synthesis

16:00	Overview of the FLEDGED project	Matteo C. Romano, <i>Project coordinator</i> Giulio Guandalini, <i>Dissemination manager</i> (Politecnico di Milano)
16:10	Renewable DME: Commercialization in North America	Elliot Hicks (Oberon Fuels)
16:30	Sorption-Enhanced cyclic process development and testing at industrially relevant scale	Jasper van Kampen, <i>Research Scientist</i> (TNO)
16:50	Catalyst/Sorbent mixtures development for Sorption Enhanced operation	Sergio Rojas (CSIC-ICP)
17:10	Modelling and design of fixed bed reactors for sorption enhanced dimethyl ether synthesis	Simone Guffanti, <i>Postdoc Researcher</i> (Politecnico di Milano)
17:25	Large scale DME synthesis plant from wooden biomass: feasibility and economic analysis	Glenn Rexwinkel, <i>R&D Engineer</i> (FRAMES)
17:40	Open discussion & round table	

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FLEDGED Consortium:



Universität Stuttgart

Guest speakers:

