



## Heat-to-Fuel Summer School

### AGENDA

#### 09:00 Key lectures

Welcoming and introduction to the event	Gerald Weber, BEST GmbH
Introduction to the Heat-to-Fuel project – Coupling of dry and wet route production process	Richard Zweiler, GET GmbH
Gasification of biogenic residues to obtain synthesis gas ( <i>Dry route</i> )	Prof. Hermann Hofbauer, TU Wien
Production of advanced biofuels via Fischer-Tropsch Synthesis ( <i>Dry route</i> )	Prof. Reinhard Rauch, KIT
Production of biofuel's precursors from hydrothermal liquefaction of industrial co-products ( <i>wet route</i> )	Prof. David Chiaramonti, RECORD
Aqueous phase reforming for the production of H <sub>2</sub> from biorefinery waste waters ( <i>wet route</i> )	Prof. Samir Bensaid, POLITO

#### 10:40 Break

#### 10:50 Project results – “3slides in 10 mins”

Overcome the agglomeration propensity in gasification	Sylvie Valin, CEA
Use of CO <sub>2</sub> in pressurized gasification	Mateusz Szul, IChPW's
Use of CO <sub>2</sub> in DFB (dual fluidised bed) gasification	Stefan Müller, TU Wien
Progress in the development of FT-catalysts for advanced biofuel production	Jordi Guilera, IREC

#### 12:00 Break

#### 13:00 Project results – “3slides in 10 mins”

FT-reactor development - Methodology in designing an optimized FT-reactor	Geneviève Geffraye, CEA
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FT-reactor development - Practical subjects in reactor manufacturing

Armando IZQUIERDO,  
Khimod

Aqueous phase reforming - Progress in lab scale

Giulia Zoppi, POLITO

Aqueous phase reforming - Progress in catalyst development and testing

Giuseppe Pipitone, POLITO

Progress in hydrothermal liquefaction process

Arturo Di Fraia, RECORD

Techno-economic assessment of the HtF process chain

Rok Sunko, Skupina Fabrika

## 14:30 Open discussion / New ideas

Open discussion on the project idea, scope and obtained outcomes. New ideas and approaches should be developed. ***Ideas outside the box are cordially welcome*** 😊

Moderation by  
Prof. Samir Bensaid (POLITO)  
and Stefan Müller (TU Wien)

## 15:20 Wrap-up

Summary on the presentations, project results and the concluding discussion

Gerald Weber (BEST GmbH)

## 15:30 Closing the event



This project has received funding  
from European Union's Horizon 2020  
research and innovation programme  
under grant agreement n° 764675