

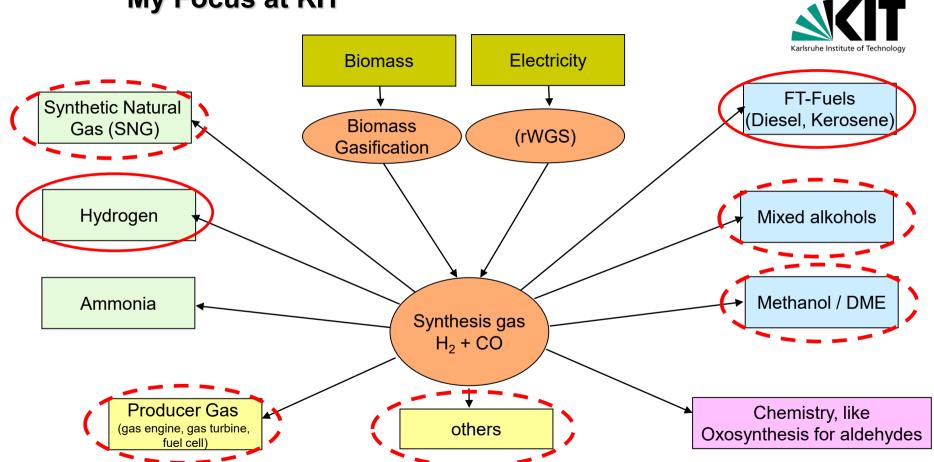
Waste2H2

Reinhard Rauch

IECO Days 2021 on 5th October 2021







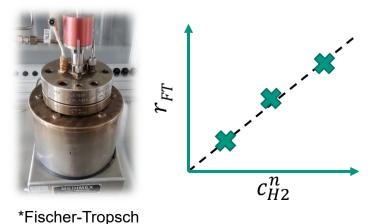
Prof. Reinhard Rauch

Engler-Bunte-Institute

CO₂-FT* in flexible bubble column reactors

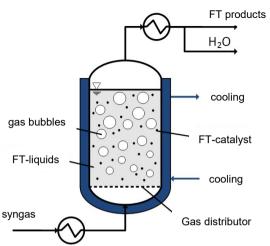
Aims of the work:

- Development of CO₂-FT-Synthesis in bubble columns
- Measurement of the effective reaction kinetiks
- Modelling of the reactor



Work at EBI-ceb:

- Modification of an existing FT-reactor
- Measurement of the reaction kinetics in a 3-Phase-Autoclave reactor
- Investigation of the stability of the catalyst
- Adaption and validation of a axial dispersion model for CO₂-FT in bubble columns

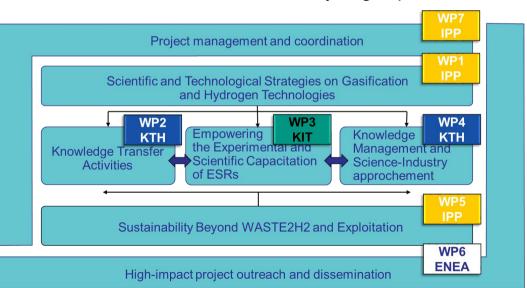


Prof. Reinhard Rauch



COORDINATION AND SUPPORT ACTIONS Topic: WIDESPREAD-05-2020: "Twinning"

- strengthening of the region Alentejo (Portugal)
- Know How transfer in the area of Hydrogen production











Sweden

Work of EBI ceb:

- PhD exchange
- Organisation of a summer-school "Analysis of synthesis gas"
- Organisation of a Workshop "entrained flow and dual fluidized bed gasification"
- Organisation of a training to improve the R&D capabilities and career of the scientists from Alentejo





Prof. Dr. Reinhard Rauch

Engler-Bunte-Institute, Fuel Technology Karlsruhe Institute of Technology Engler-Bunte-Ring 1, building. 40.51, Room305 D-76131 Karlsruhe

Tel.: +49 721 608-42960 Mobil: +49 174 9675356 Reinhard Rauch@kit edu

http://ceb.ebi.kit.edu



Prof. Reinhard Rauch Engler-Bunte-Institute