

Direct Biomass Liquefaction in Germany

Industry

- Pyrolysis activities are centered around slow pyrolysis (dynamic field of start-ups and one established company)
- Fraunhofer UMSICHT TCR intermediate pyrolysis is moving towards demonstration scale

Policies

- No strong dynamics for biofuels (beyond EU blending quota)
- Chemical industry is carefully looking for renewable carbon alternatives

Academia

- Universität Dortmund: Alba Dieguez Alonso
 - Particle scale modelling and experiments
- DBFZ: Department of Franziska Müller-Langer
 - Hydrothermal laboratory
 - Organization of HTP expert forum
- Fraunhofer UMSICHT: Department of Robert Daschner
 - Scale Up of TCR intermediate pyrolysis technology
 - TCR technology development
- KIT: Department of Nicolaus Dahmen
 - (see previous slide)

