

Carbon-based Fuel Utilization

Ammonia Fuel Utilization

Concatenated Synthetic Pathways

Translational Catalytic Processes

Resilient & Adaptive Conversion Systems

Propulsion

Production

Competence Area 1:
Molecular Transformations & Interactions

Bio-hybrid Fuel Characterization

N-emission Control

Interconnected Catalytic Concepts

Feedstock Complexity & Variability

Competence Area 2:
Interfacial Phenomena & Devices

Carbon-based Fuel Cells

Ammonia Combustion

Bio-hybrid Synthesis

Energy Input & Fluctuation

Competence Area 3:
Fuel Design & Sustainable Cross-sectorial Value Chains

Thermal Energy Conversion

Ammonia Fuel Cells

Integrated Reactor Systems

Integrated Feedstock Supply & Conversion

Fuel & Chemical Design

System Integration

Life Cycle Assessment

Fuel & Chemical Design Forum