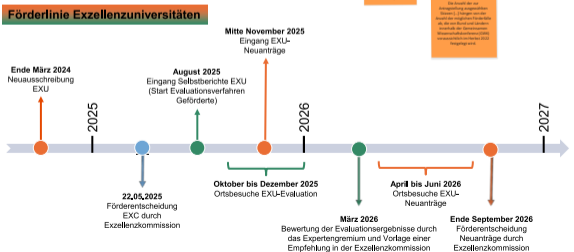
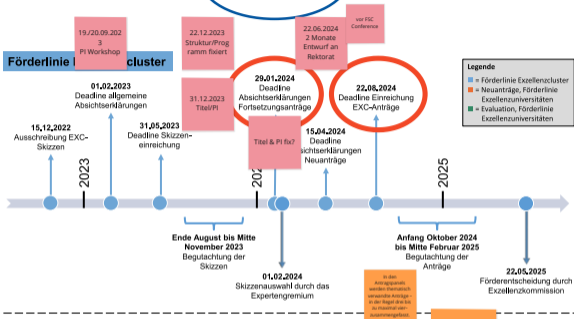


DFG Schedule



07.06.2023 08:00h-12:00 Strategy Workshop

Time	Topic	Target	Responsible
08:00-08:30	Welcome & Introduction	<ul style="list-style-type: none"> • Abstimmung Zeitplan Antragstellung • Definition PIs/Co-PIs 	BL,SP
08:30-09:00	Vision/Mission	<ul style="list-style-type: none"> • Anpassungen nach Rückmeldung IAB? • Bestimmung Hauptverantwortlichen für Schreibteam "Vision & Mission" 	
09:00-12:00; 30 min. pro Key Topic	Key Topic I: Ammonia Combustion Key Topic II: Carbon-based (drop-in) Fuels Key Topic III: Liquid Energy Carrier for Fuel Cells Key Topic IV: Resilient & Adaptive Conversion Systems Key Topic V: Integrated CO2 Capture & Conversion Key Topic VI: Sustainable Building Blocks, Monomers & Solvents	<ul style="list-style-type: none"> • kurze Vorstellung Key Topic • Definition Teams 	HP SP AM GW/NA WL RP

Regina Palkovits

Sustainable Building Blocks, Monomers & Solvents

Walter Leitner

Abhishek Khetan

Giovanni Maria Piccini

Ferdi Schüth

Matthias Wessling

Robert Keller

Andreas Jupke

John Linkhorst

Anna Mechler

Franziska Schönebeck

Jürgen Klankermayer

Felix Kunz

Sonja Herres-Pawlis

Mirjam Zobel

Dörte Rother

Lars Lauterbach

Carsten Bolm

Lars Blank

Kai Leonhard

DeBeer

Tüysüz

Ulrich Simon

Rüdiger Eichel

Leonori

Schwaneberg

Jorgen Magnus

Karl Mayrhofer

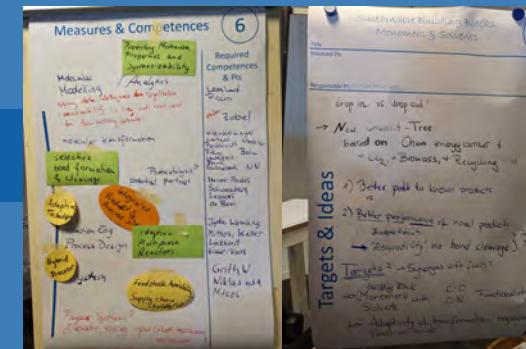
Andreas Vorholt

Miaomiao Du

Niklas von der Aßen

Alexander Mitsos

Grit Walther

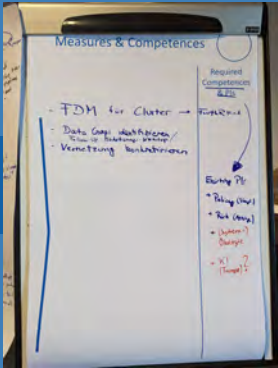
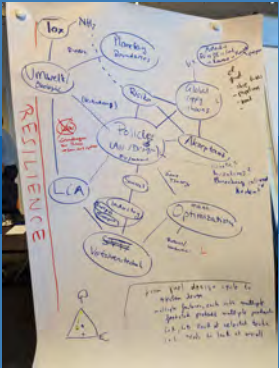


Grit Walther

Niklas von der Aßen

Resilient & Adaptive Conversion Systems

Andreas Jupke



Miaomiao Du

Martina Ziefle

Alexander Mitsos

Martina Roß-Nickoll

Katrin Arning

Sandra Venghaus

Backhaus (Nachfolge Schäffer)

"individuelle Akzeptanz" greift zu kurz

next Gen Sustain

kein neues "Weltmodell"

existierende Modelle hinsichtlich Resilienzparametern weiterentwickeln

Vorarbeiten?

Publikationen
? Nachweis
Kompetenz?

Anna Mechler

Liquid Energy Carrier for Fuel Cells

Lars
Lauterbach

Mirijam Zobel

Regina
Palkovits

Robert Keller

Katharina
Schmitz

Reinhold
Kneer

Rüdiger
Eichel

IEK-14

Lars Blank

Matthias
Wessling

Stefan
Pischinger

Isaac Boxx

Kai Leonhard

Karl
Mayrhofer

Ulrich Simon

Abhishek
Khetan

Wolfgang
Schröder*

DLFC
aufbauen für
Antrag?

FSC
fuels?

Urea

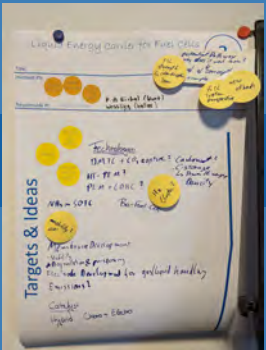
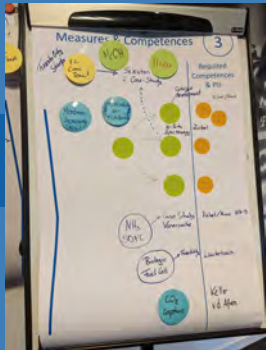
NH3

Miaomiao Du

Niklas von
der Aßen

Backhaus
(Nachfolge
Schäffer)

Alexander
Mitsos



backwards compatible synthetic fuels

Drop-In als Aufhänger sinnvoll?

Wissenschaftliche Herausforderung?

Stefan Pischinger

Carbon-based (drop-in) Fuels

Heinz Pitsch

Alexander Heufer

Kai Leonhard

Lars Blank

Walter Leitner

Jürgen Klankermayer

Regina Palkovits

Schnittstelle Kraftstoff & Chemie auf Molekül- & Prozess-Seite

Schnittstelle Topic 6

Katharina Schmitz

molecular controlled combustion

Isaac Boxx

retrofit?

Verbrennungsmotor

Wolfgang Schröder*

Stefan Pischinger

Reinhold Kneer*

Manuel Reddemann

Martina Roß-Nickoll

Backhaus (Nachfolge Schäffer)

Martina Ziefle

Niklas von der Aßen

Miaomiao Du

Sandra Venghaus

Katrin Arning

Materialkompatibilität

Ulrich Simon

Abhishek Khetan

Abgasnachbehandlung

Katharina Schmitz

Andreas Jupke

upscaling

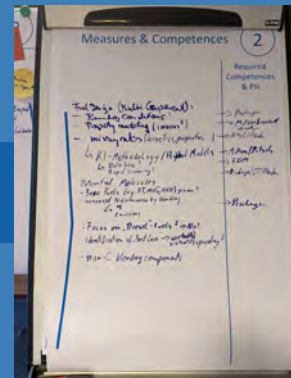
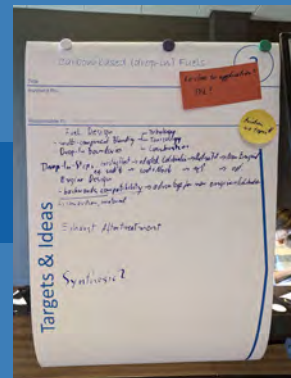
Alexander Mitsos

Fuel Blend Design

Machine Learning

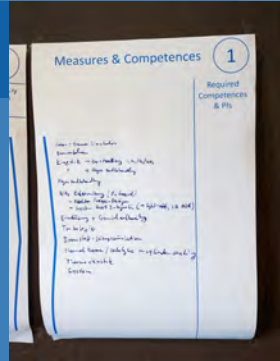
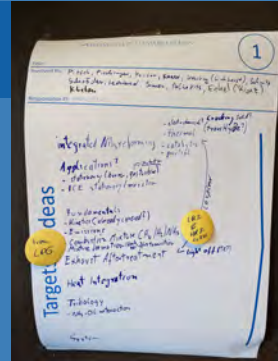
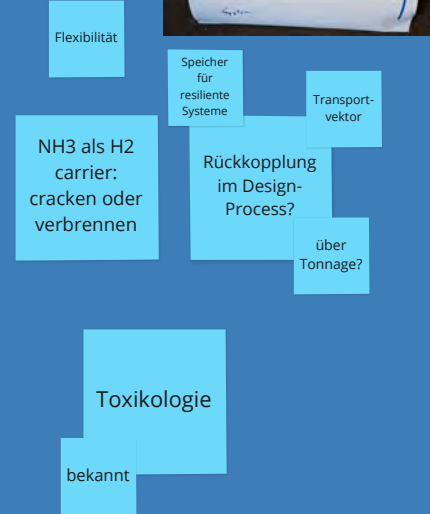
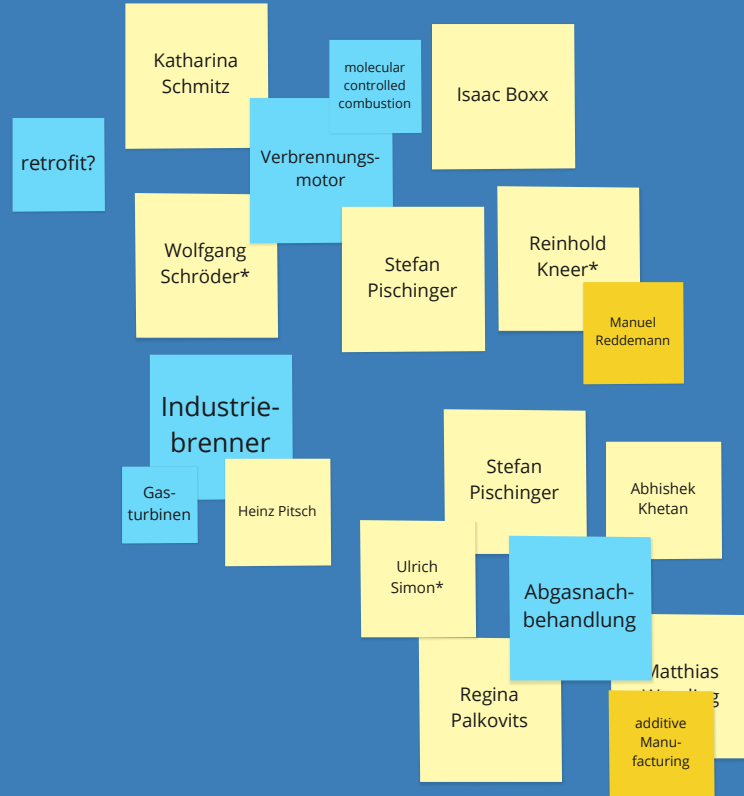
"AI 4 Fuels"

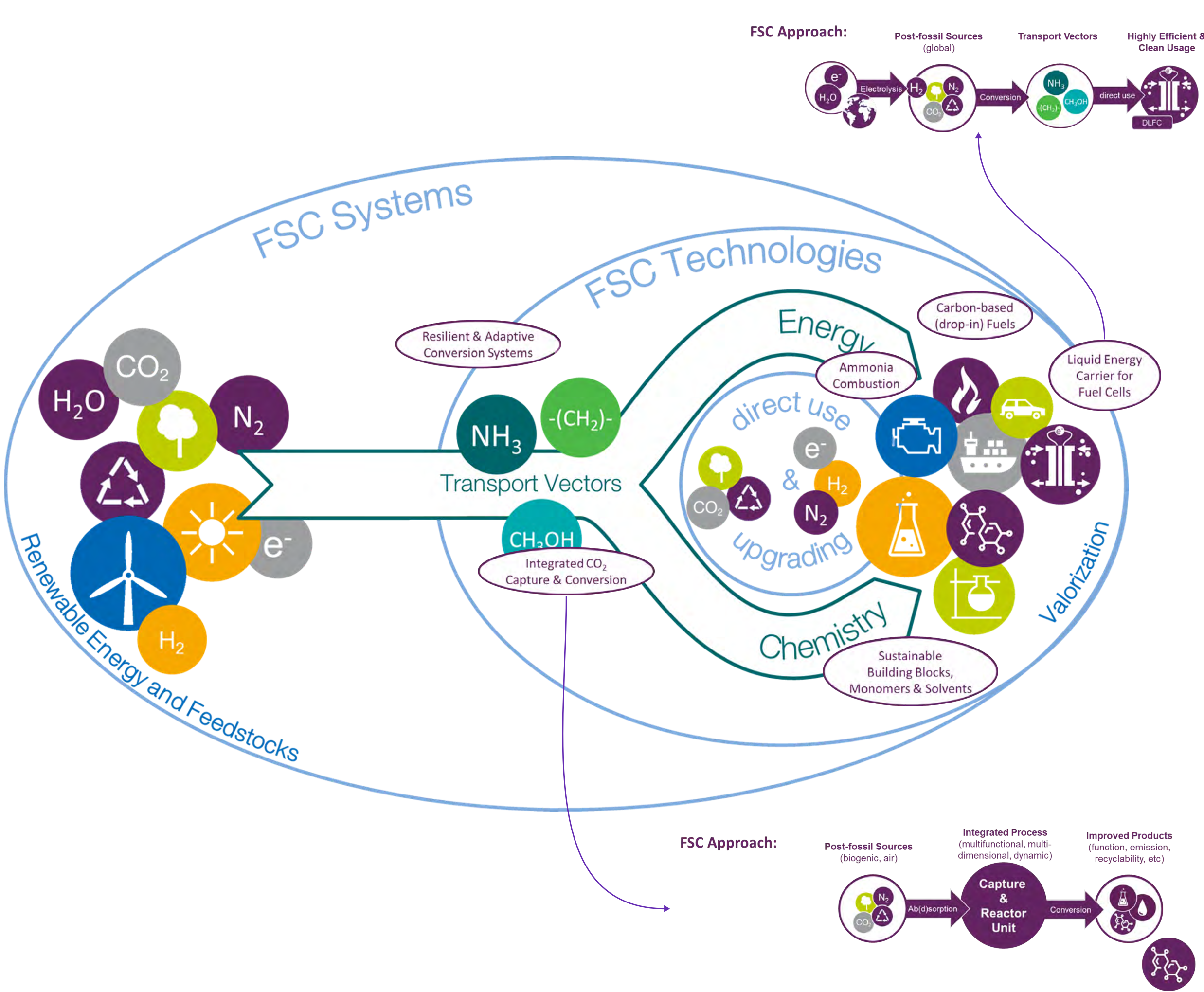
FSC Database



Heinz Pitsch

Ammonia Combustion





FSC Systems

FSC Technologies

Energy

Chemistry

Valorization

Transport Vectors

direct use

upgrading

FSC Approach:

Post-fossil Sources (biogenic, air)

Integrated Process (multifunctional, multi-dimensional, dynamic)

Improved Products (function, emission, recyclability, etc)

Capture & Reactor Unit

Ab(d)sorption

Conversion

Renewable Energy and Feedstocks

Resilient & Adaptive Conversion Systems

Integrated CO₂ Capture & Conversion

Carbon-based (drop-in) Fuels

Ammonia Combustion

Liquid Energy Carrier for Fuel Cells

Sustainable Building Blocks, Monomers & Solvents

