

Chemistry & Chemical Engineering

Biology & Biological Engineering



Space, Earth & Environment













Communication & Learning in Science



Divisions

Department

Physical Resource Theory

Energy Technology

Geoscience & Remote Sensing

Astronomy & Plasma Physics

Onsala Space Observatory

Research groups

Energy systems analysis

Sustainable transport & mobility

Sustainable land use & bioeconomy

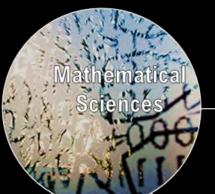
Sustainable consumption

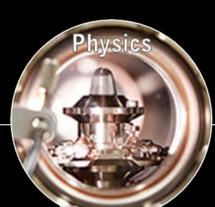
Transition research

Complex systems









Chemistry & Chemical Engineering

Biology & Biological Engineering



Space, Earth & Environment













Communication & Learning in Science



Technology research

Systems research

ICEs

Hydrogen

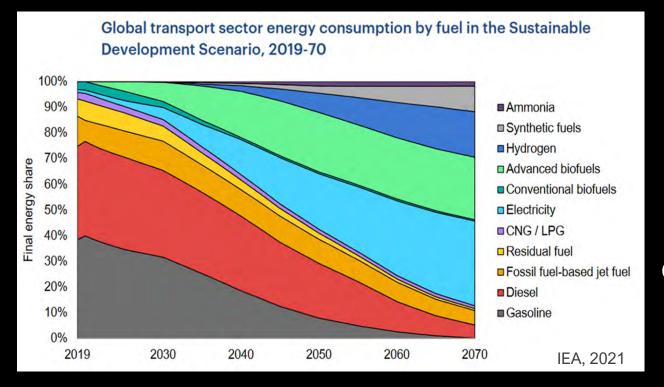
Catalyzers

Aerodynamics

Batteries

Electric aviation

Techno-economic modelling of large systems: optimization, simulation



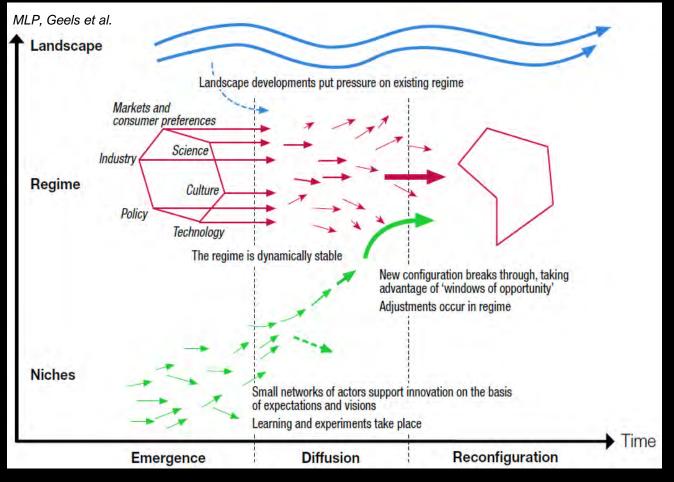
Identifying cost-effective sustainable pathways

⇒ But how does change come about ?



Interdisciplinary research: approaching the social sciences

Innovation Transitions of socio-technical systems



Consumer behavior and human-technology interaction

E.g. to understand the use of:

- shared mobility
- autonomous vehicles
- active transport
- night trains replacing air travel?

Collective action research

E.g. to understand the role of policy and policy support