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Sustainable transportation research at Chalmers

Jonas Nässén

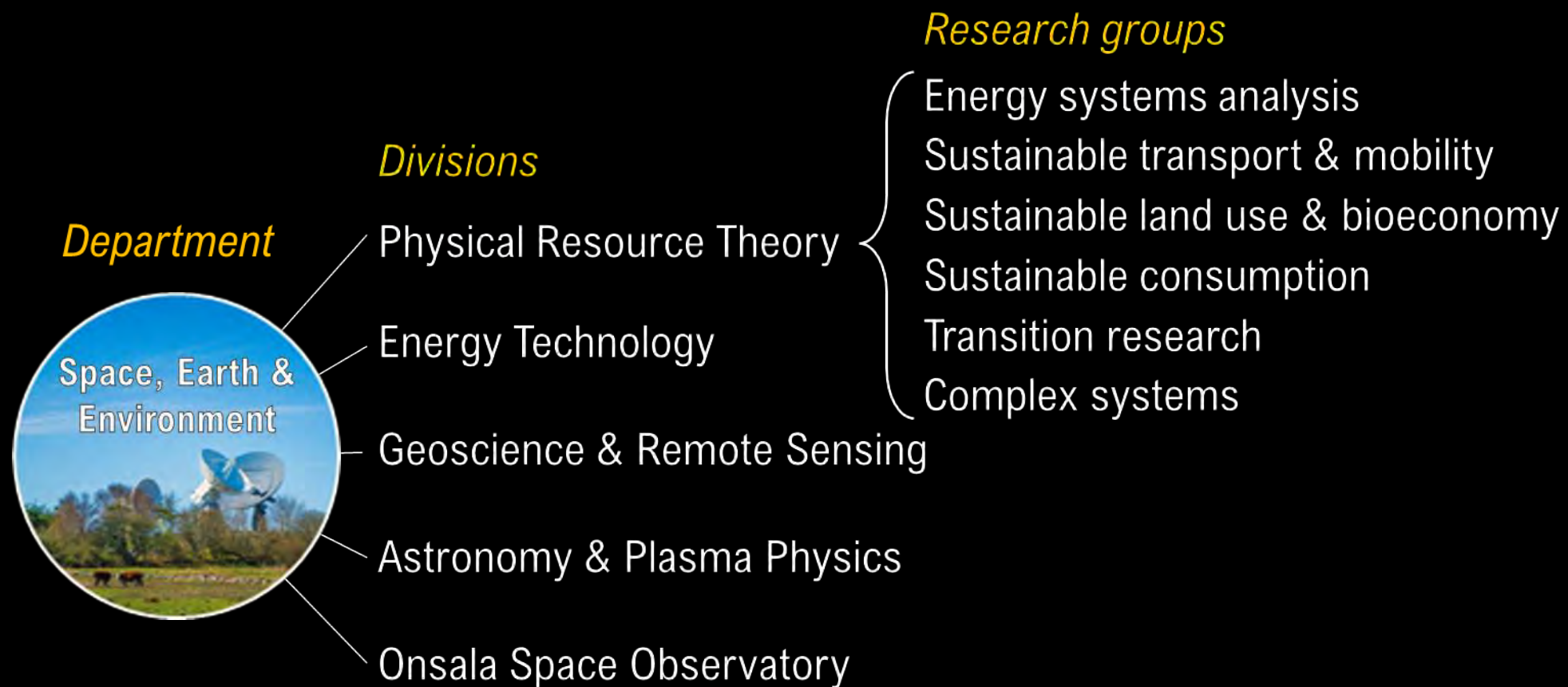
Head of Division, Physical Resource Theory





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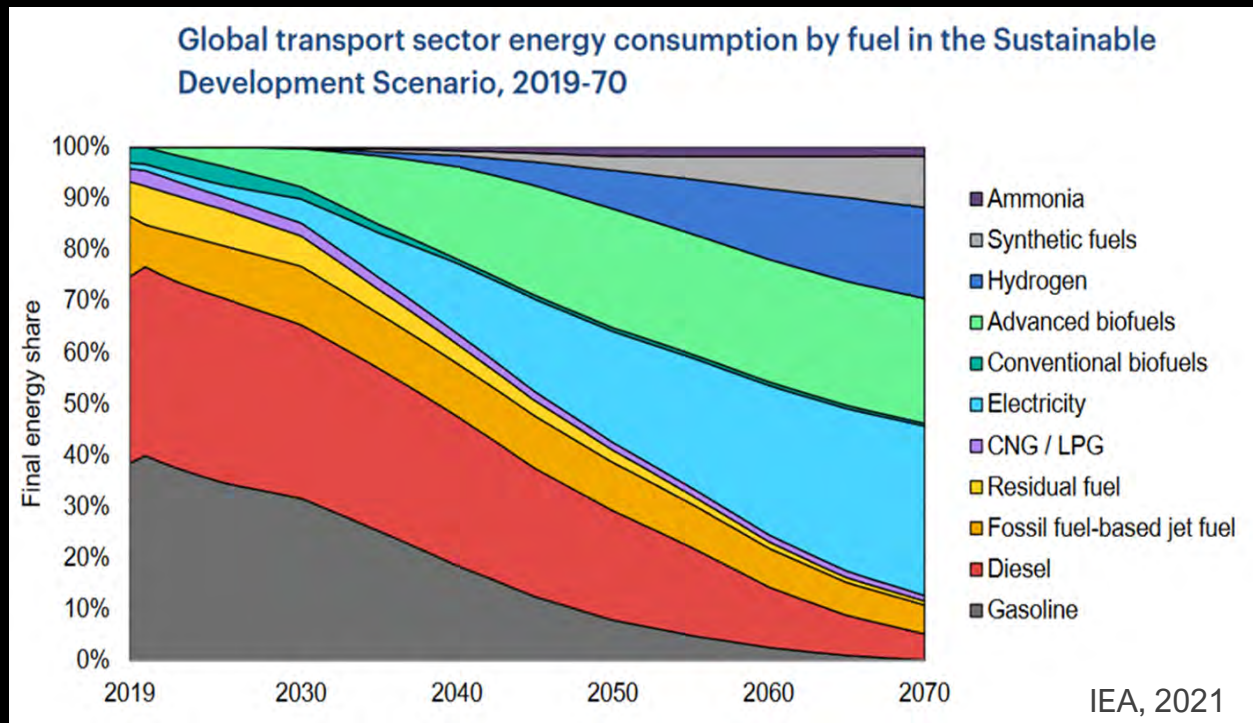


Technology research

ICEs
Hydrogen
Catalyzers
Aerodynamics
Batteries
Electric aviation

Systems research

Techno-economic modelling of large systems:
optimization, simulation



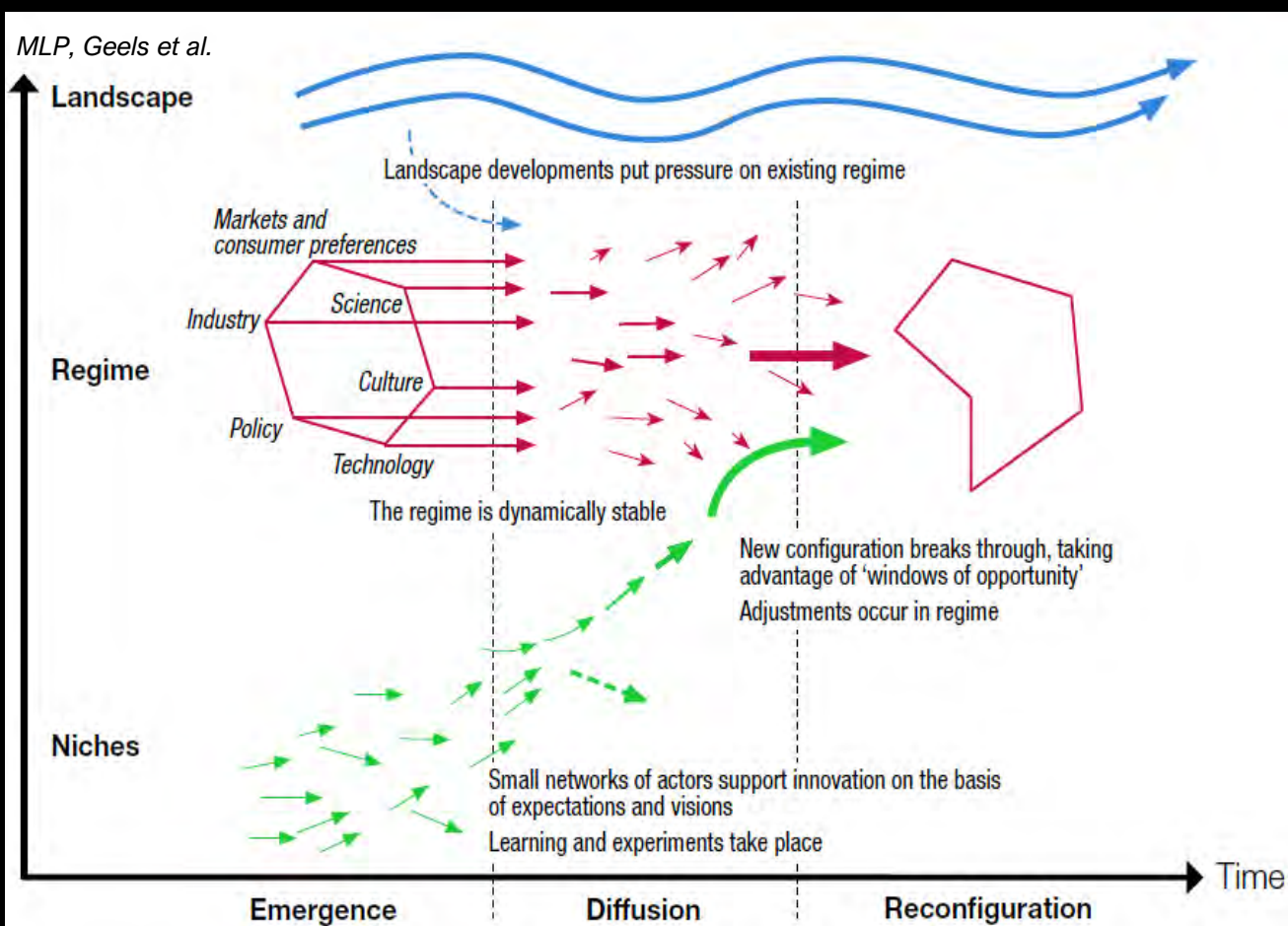
Identifying
cost-effective
sustainable pathways

⇒ 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