

SUSER

Accelerating Transition Towards Sustainable Energy System within System-level Innovation Framework NABC description

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SUSER (NABC) Need

- Radical energy transition is needed in the society (climate change targets)
- Finland has not been able to profile itself in renewable energy markets → Why?

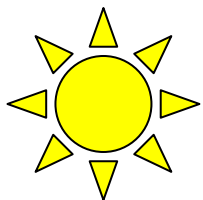
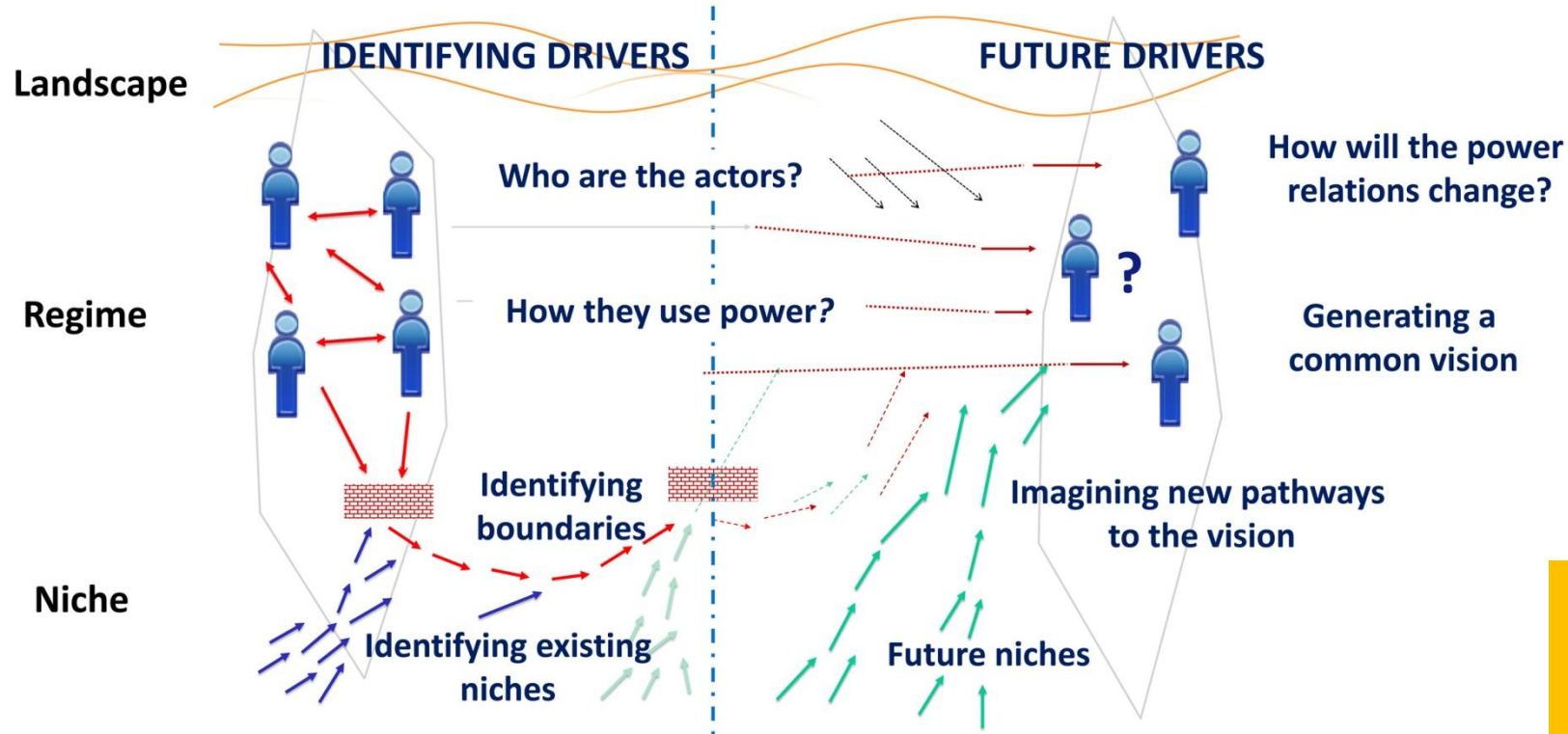
Source: Lovio, R., Nikulainen, T., Palmberg, C., Rinkinen, J., Temmes, A. and Viljamaa, K., (2011) Towards green Growth? The position of Finland in environmental technology. Tekes Review 282/2011.

- Innovative changes are possible in the society only via deep societal changes, e.g. in economy, legislation, policy, education, communication → A system innovation is needed!

Source: UUTU-projekti 2011: Suomen mahdollisuudet uusiutuvaan energiaan liittyvässä globaalissa liiketoiminnassa (VTT ja Etlatieto, TEM) Tekes Review 282/2011.

- **We ask what shapes the paths to renewable energy solutions?**

SUSER (NABC) Approach



1998



Present

Härmälänranta

Nurmi-Sorila

2020

Methods:
 case study
 research,
 stakeholder
 analysis,
 interviews,
 action research,
 workshops and
 discussion
 platforms

SUSER (NABC) Benefit and Competition

- Benefit
 - Accelerated utilization and implementation of Multi-Level Perspective (MLP) framework for supporting the planning, decision-making and transition towards more sustainable energy system
- Competition
 - Multi-disciplinary team able to combine political, economic, societal, technical and environmental viewpoints
 - Strong experience in foresight and future-orientation
 - The utilization of Dutch and Austrian experiences in the Finnish built environment context
 - Marko Hekkert, Utrecht University
 - Matthias Weber, Austrian Institute of Technology AIT



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and society**