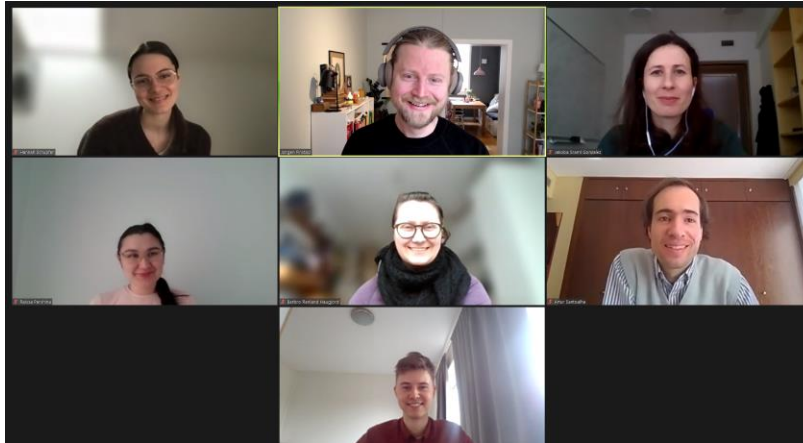


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INTRANSIT Mid-way assessment

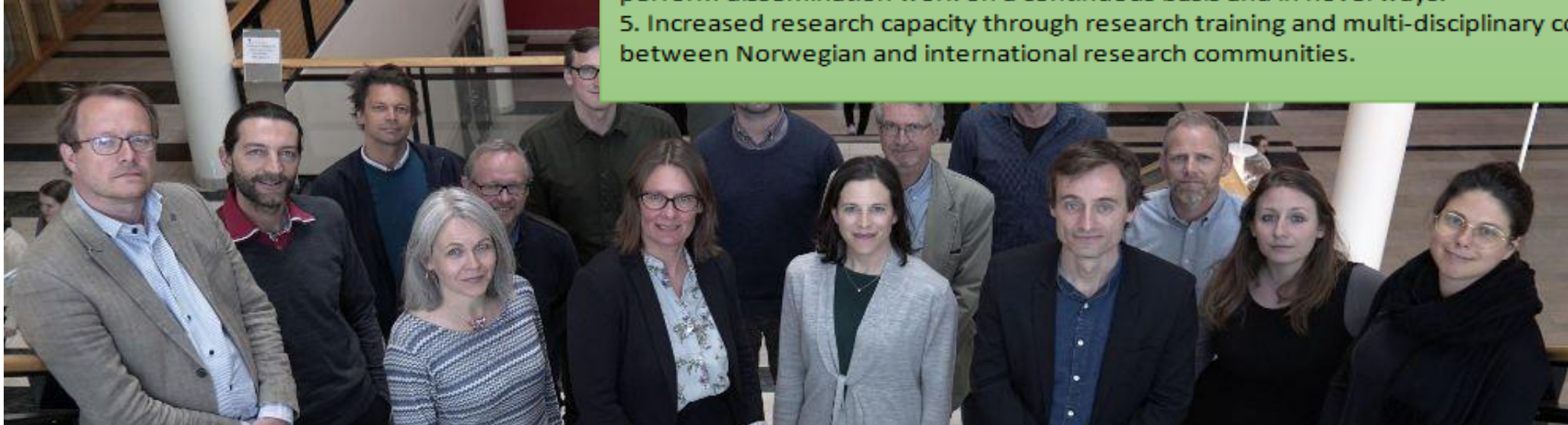
INTRANSIT – where we started



The aim of INTRANSIT is to develop an improved understanding of how transformation towards a more sustainable, diversified, and smarter Norwegian economy can be fostered.

To achieve this, INTRANSIT aims to develop:

1. New knowledge on processes of transformations towards smarter and more sustainable development in Norwegian industries and firms.
2. New knowledge of how the growth of new industrial niches can be supported and how this is interrelated with transformation of existing industries and sectors.
3. New knowledge of how R&I policies can support the development of a smarter and greener Norwegian economy, and a more diversified industrial structure.
4. Collaboration platforms with stakeholders, to involve users in the research activities, and to perform dissemination work on a continuous basis and in novel ways.
5. Increased research capacity through research training and multi-disciplinary collaboration between Norwegian and international research communities.

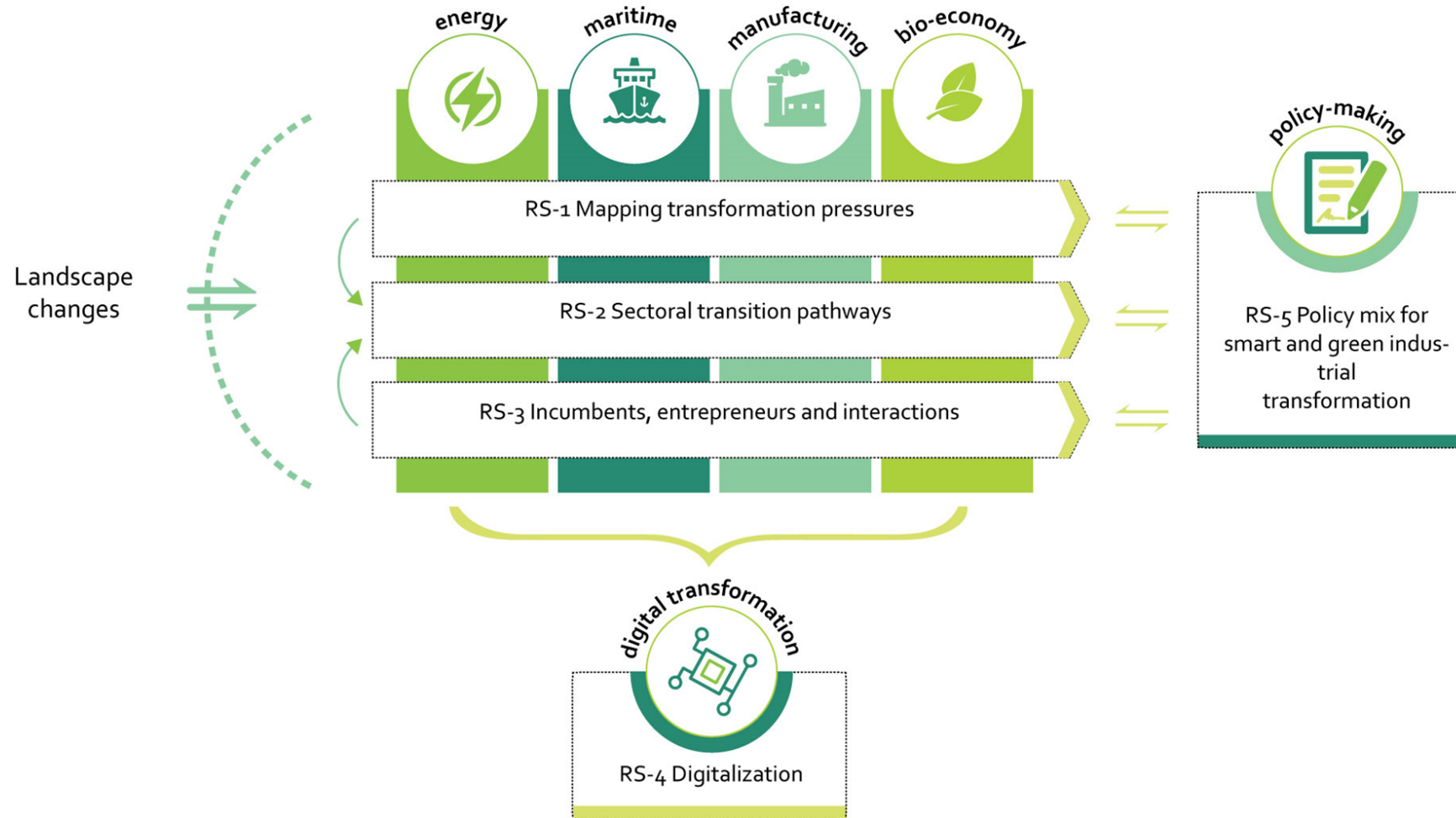


INTRANSIT – where we are now

37 researchers are or have been involved in INTRANSIT (14 at TIK)
18 PhDs/post docs/ECRs



Where we started



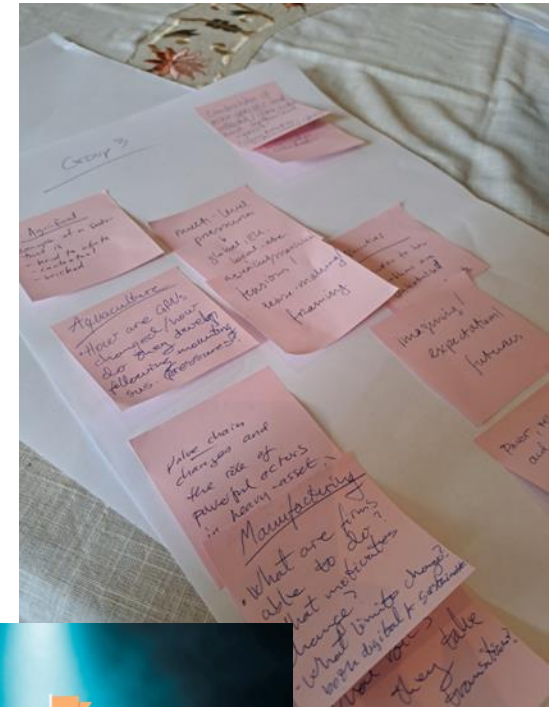
Where are we now



1 ONGOING RESEARCH

- Building novel sustainable value chains
- Politics of transitions, directionality
- Research on interactions between heterogeneous sectors
- Reshaping of existing value chains and production networks
- Twin transitions – digital twins
- Policy processes in mission-oriented policy
- Hard-to-abate sectors (process industry, heavy transport)
- Electrification
- Geography of transitions and regional perspectives
- Established actors in transitions
- Multi-system interaction
- Multi-sector dynamics

- Cross-industrial learnings
- Sustainability orientation
- Digital twins
- Cluster research
- Mission orientation
- Mixed methods
- Developing circular (CE) value chains (beyond)
- Policy development and the politics of transition
- Process tracing
- Refuse and prevent
- Similar problems in different fields / sectors



Performance indicators



41 published articles



19 other publications
(book chapters,
reports, proceedings)



81 conference
papers/contributions



4 scientific
conferences organized



13 conference tracks
and scientific
workshops



5 user-oriented
workshops



36 presentations to
users and
stakeholders



5 policy briefs



Science fairs, festivals
and media
contributions

Key contributions

Nuanced perspectives on industry dynamics and sustainability transitions

Unpacking the twin transitions concept

New understandings of firms' sustainability-oriented behaviour

Studies of policy processes and governance of sustainability transitions



Systemic sustainability effects of contemporary digitalization: A scoping review and research agenda

Matthijs Mouthaan^{a,1}, Koen Frenken^{a,2}, Laura Piscicelli^{a,3}, Taneli Vaskelainen^{b,4}

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<https://doi.org/10.1016/j.futures.2023.103142>

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Technological Forecasting and Social Change

Volume 194, September 2023, 122696



Highlights

- We review 112 articles across academic disciplines to identify research gaps.
- In our sample, reductionism, determinism, and a narrow focus on technology are common approaches.
- We propose avenues to study systemic effects of digitalization on sustainability transitions.
- Future research would benefit from multi-disciplinary and multi-scale approaches.

Multi-sector technology diffusion in urgent net-zero transitions: Niche splintering in carbon capture technology

Jørgen Finstad, Allan Dahl Andersen

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Time Will Tell: Category Reinvention as Incumbent Stigma Management Strategy in Contested Industries

Hannah Schupfer and Birthe Soppe

Published Online: 24 Jul 2023 | <https://doi.org/10.5465/AMPROC.2023.14785abstract>

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Transition and decarbonization

Transitions

g actors, technology, and

Strengths

A productive research network

A good mix of seniors and juniors

Inter-disciplinary group

Conceptual and empirical novelties

Relevance for policy and practice



Challenges

Diversity means challenges finding common ground and interests

Specialisation vs thematic relevance

External impact and communication

Exploring new opportunities vs consolidating efforts



Next steps

Completion of ongoing work and support to ECRs

Consolidating efforts – book project and other joint activities

New research initiatives

More attention to external communication and user relevance

