

Action Plan for establishing a Nordic Research Programme for Heavy Road Transport

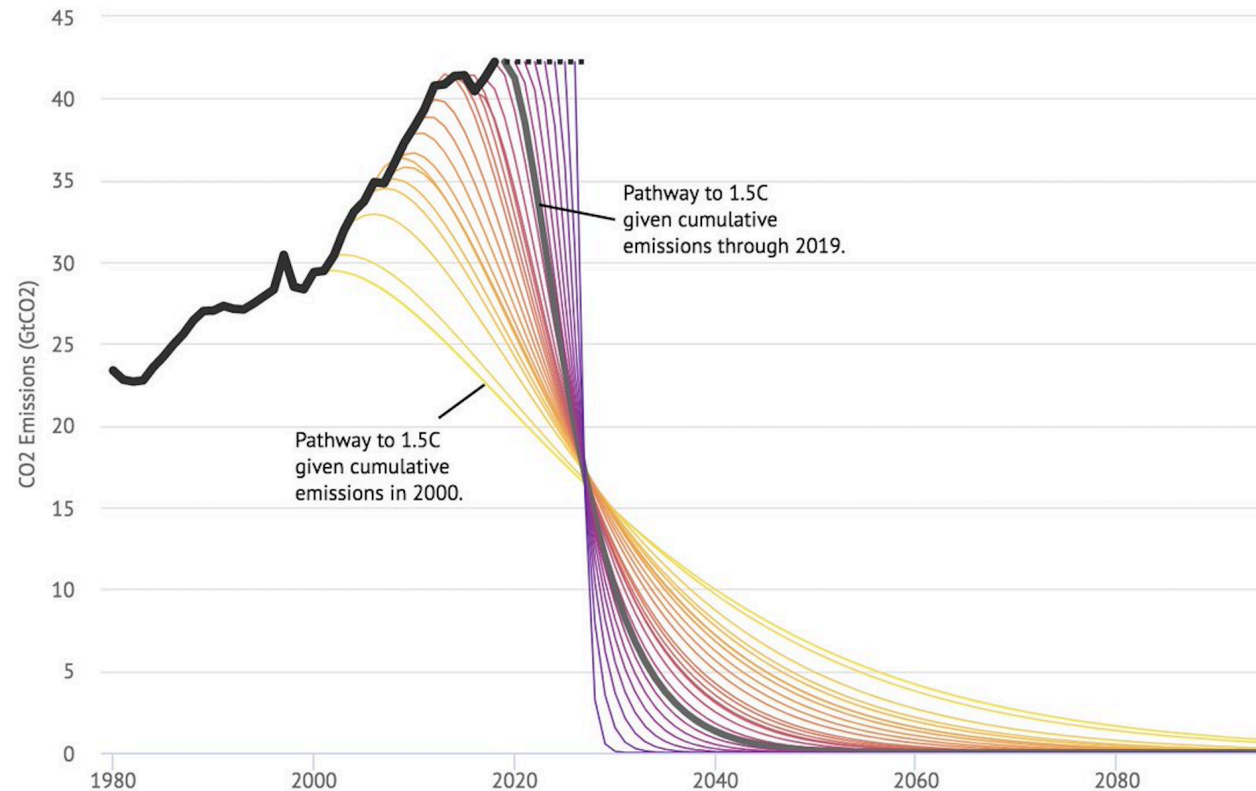
February 2020

How did we make the action plan?

- Concito has just published a comprehensive overview of decarbonisation from road freight transport
- Mapped the landscape of research activities in the Nordic countries
- Interviews with key stakeholders
- Identified knowledge gaps
- Identified important actions for future Nordic activities

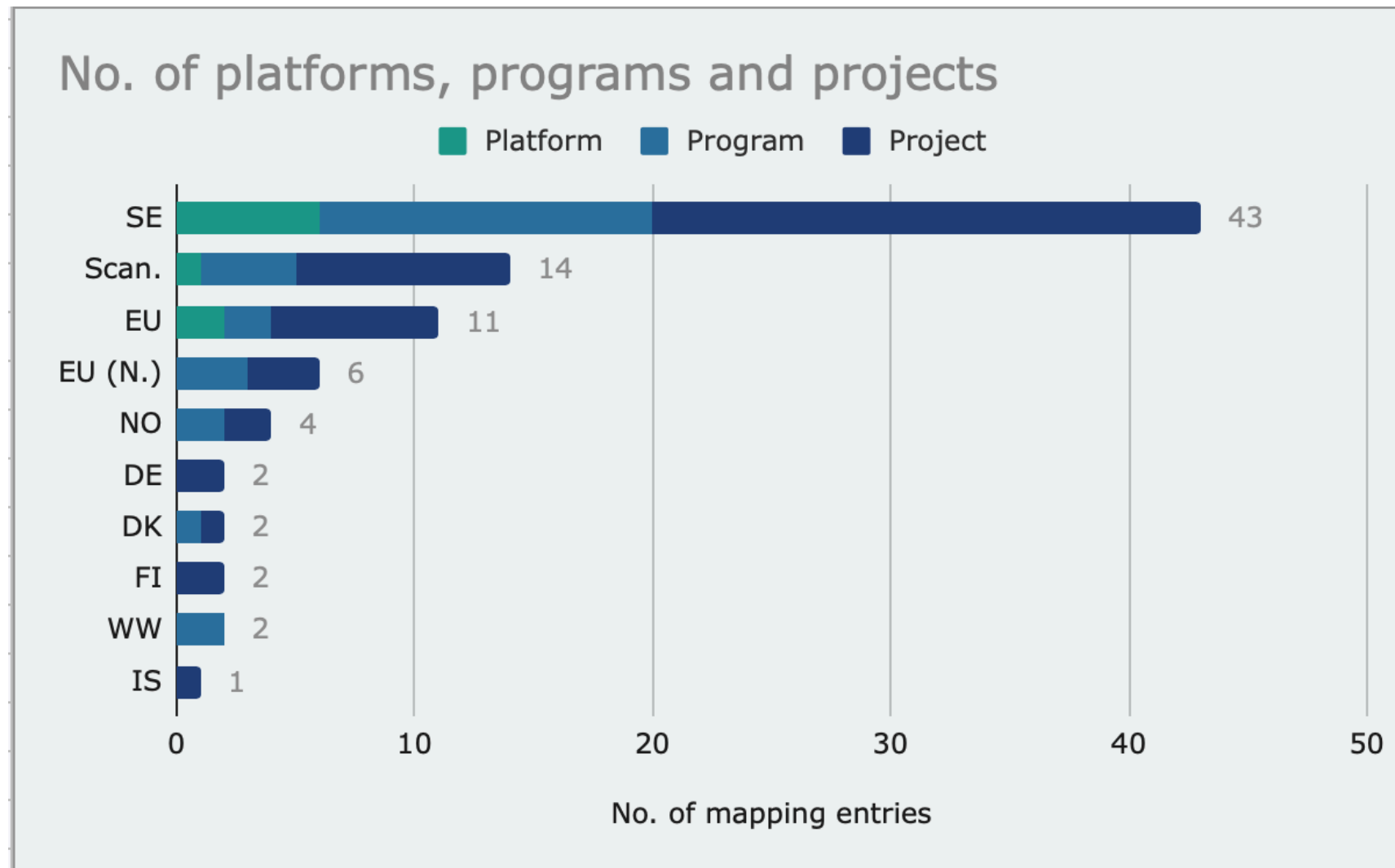
Need for fast implementation

Limiting warming to 1.5C increasingly difficult without large-scale negative emissions



- Need to accelerate the process from research to implementation
- Need tools to facilitate this process

Ongoing research initiatives in the Nordic Countries



Mckinnon pathways

(0 Category for research covering several areas)

1 Reduce the demand for transport

2 More efficient logistics

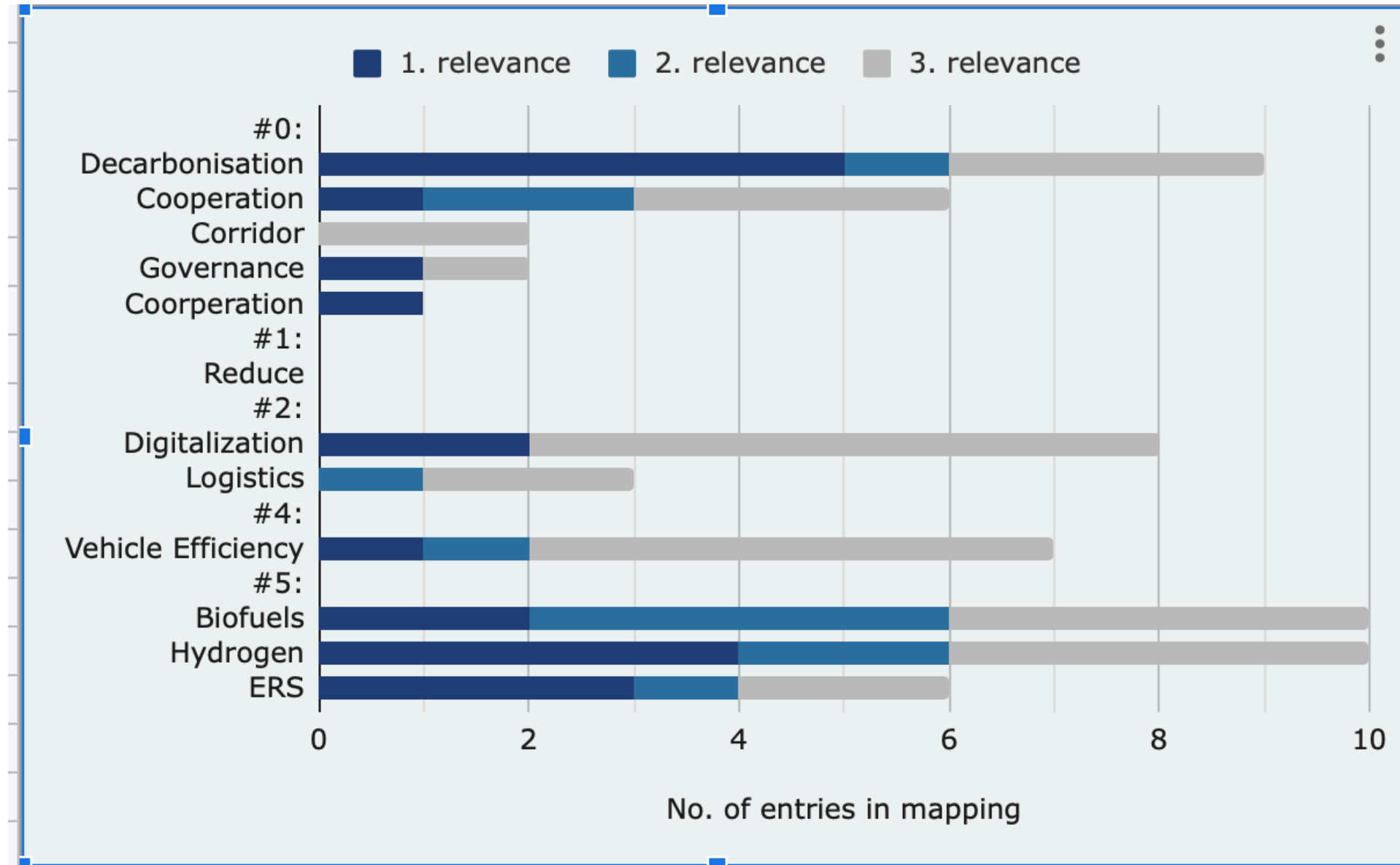
3 Mode shift

4 More efficient use of vehicles

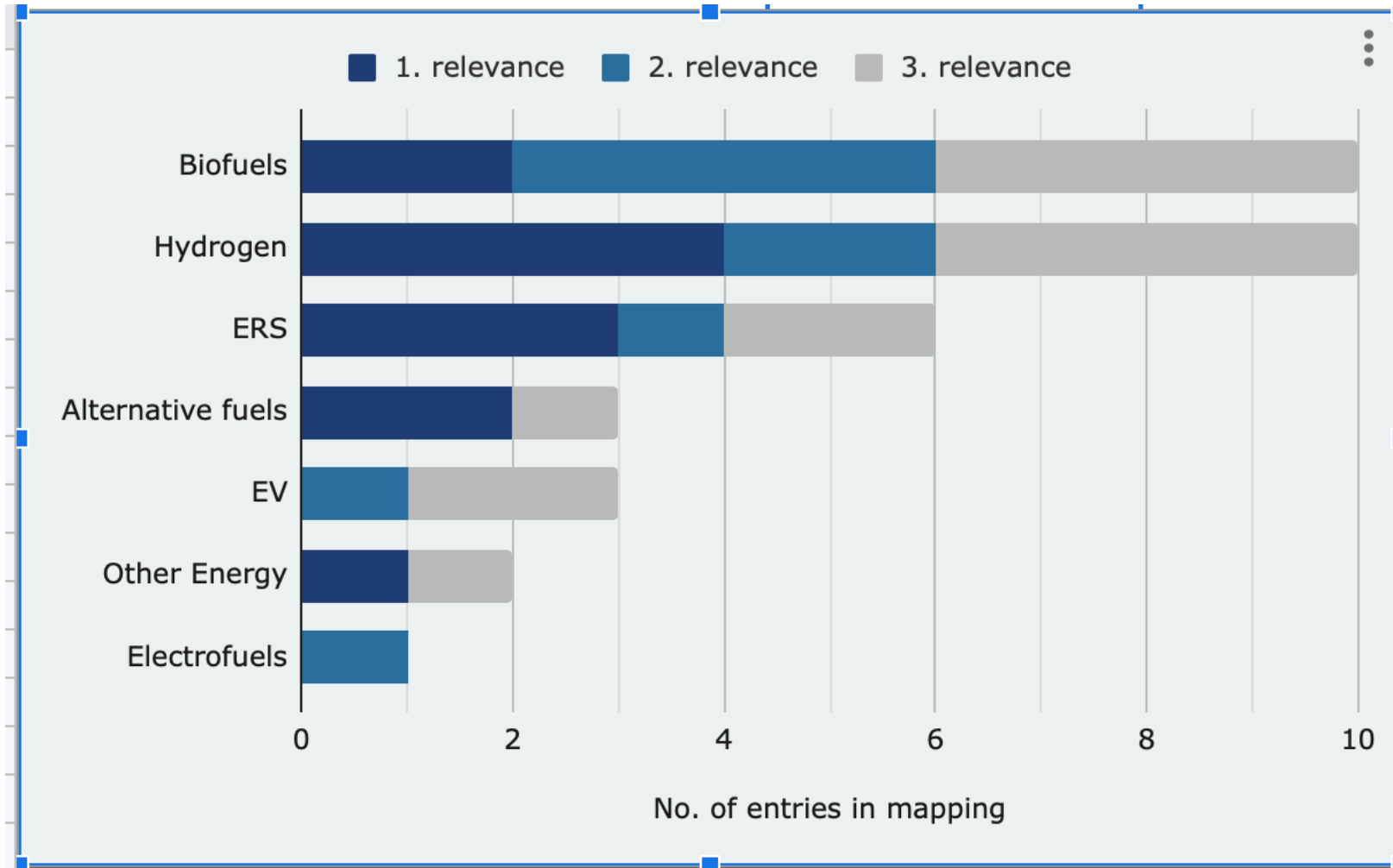
5 Less emitting fuels and motors

We use these entries for the analysis

Reserach inititives - pathway



Alternative fuels

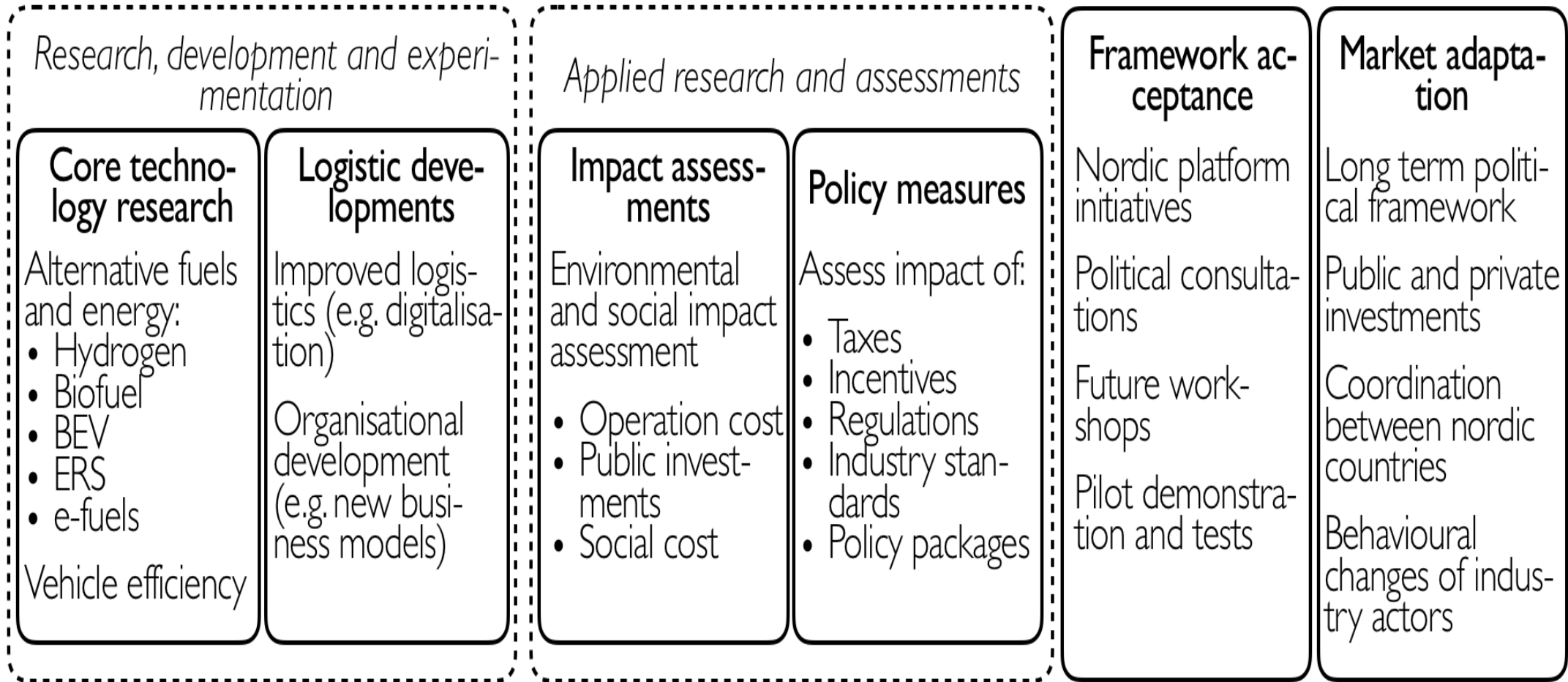


Important Swedish platform initiatives

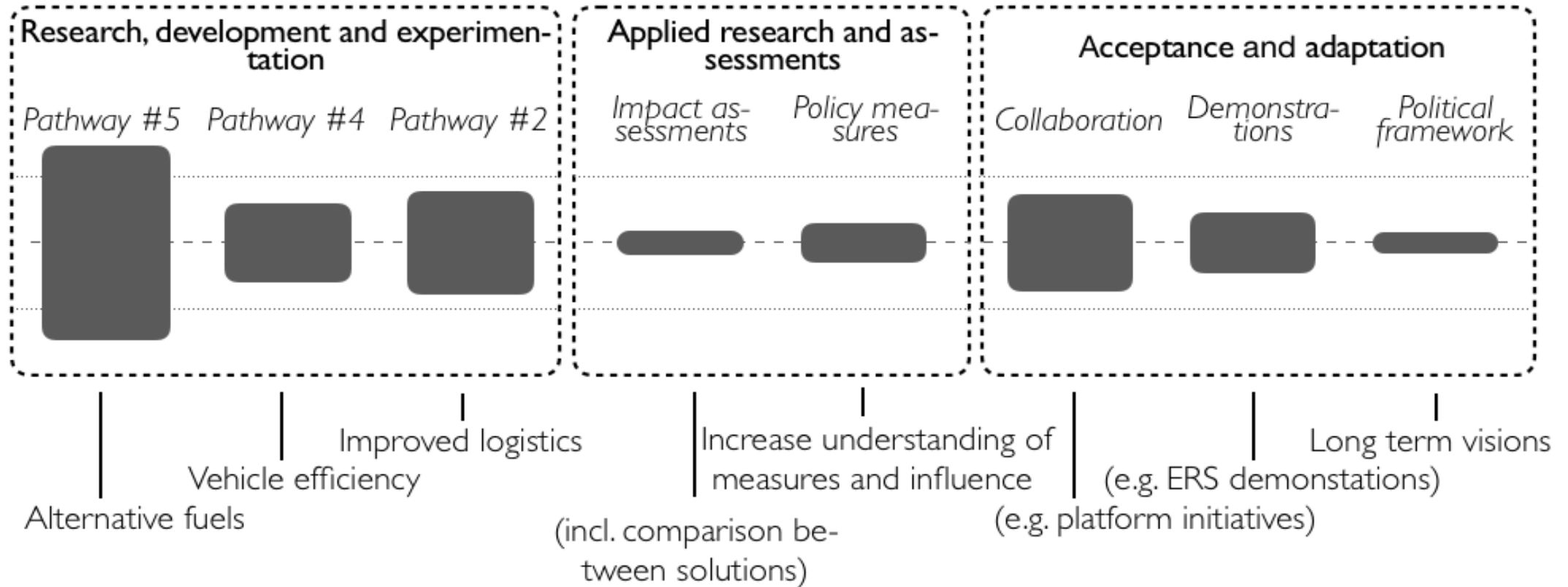
- DenCity, CLOSER –triple helix initiatives
- **TrippleF** – focus on decarbonisation
- Drive Sweeden – focus on future mobility
- 2030 secretariat – decarbonisation of passenger transport

Platformes with several types of stakeholders, which go beyond research – however, no clear roadmap to implementation and limited involvement of policymakers

Possible process from research to implementation

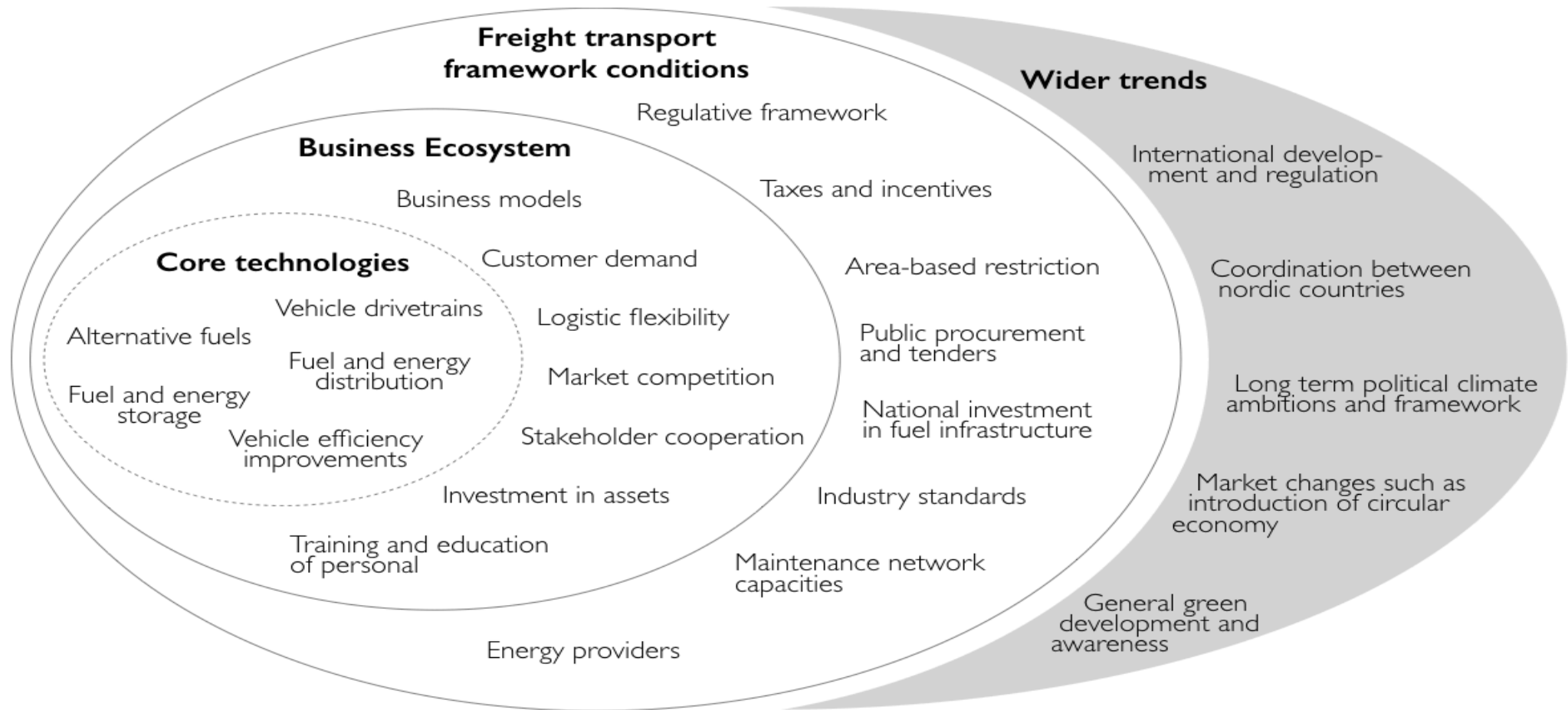


Mapping of research initiatives



The largest number of initiatives focus on research in technologies – very few on the process to implementation

Ecosystems for road freight transport



To implement low-emitting technologies a new ecosystem should be developed

Nordic Action Plan

1. Preliminary actions

Coordinate research funding

...to strengthen nordic coordination and avoid overlapping activities

Nordic conference

...to promote the common understanding of needed implementation processes and roles of different actors

2. Research program themes

Nordic biomass and power for transport

Initiative to create joint understanding of selection criteria for sustainable biomass and mapping of the available sustainable biomass and power for the nordic transport sector

Nordic ERS demonstrations

...and exploration of coordinated implementation

Collaboration on nordic level

Research in logistics

...with focus on overall system efficiency, roles of different actors and emission reduction potentials

Policy measures research

...focusing on impact in the freight sector and influence on stakeholders

In coordination between the nordic countries

Initiatives in parallel

Nordic platform

Make Swedish platform initiatives nordic

National funding must be earmarked to catch up with the Swedish initiatives and the swedish actors should open up for the other nordic countries in recognition and support for faster implementation

Develop tools for decision processes

Independent assessment

Establish an independent body for ongoing assessment of technological and logistic progress

Consultations

Develop procedures for consultation with stakeholders in fierce competition