

# Maritime policy and research in Sweden

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# Contribute to achieving transport policy goals

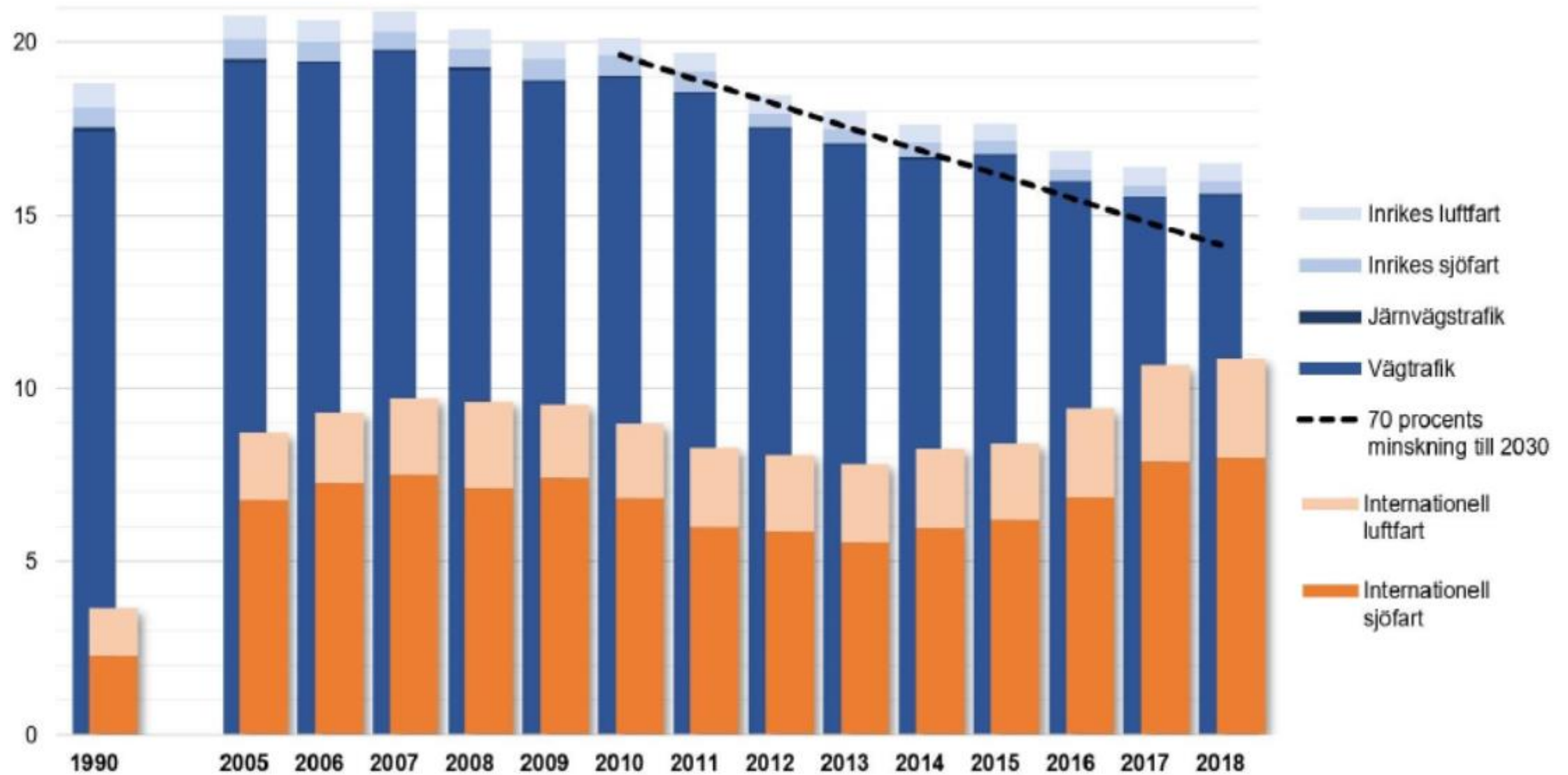
An accessible, safe and sustainable transport system

# A modern and efficient transport system is sustainable



# Maritime policy

- One of the world's first welfare states that is independent of fossil fuels by 2045
- In December 2019 the Swedish government presented its first climate action plan
- Freight transport strategy and a national coordinator for short sea shipping and inland navigation
- Increased focus on maritime research and innovation
- Interplay between national and local policy
- Roadmaps for fossil free competitiveness



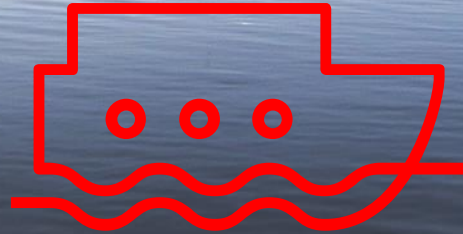
# Swedish climate action plan

- Climate law 1 January 2018
- Fossil free transport chapter in the action plan
  - Efficiency gains, electrification, sustainable renewable fuels, energy efficient vehicles and vessels
  - Transport efficiency: improved planning, modal shift, fairway dues that stimulate the competitiveness of the maritime sector
  - Sustainable renewable fuels: number of harbours with LNG has increased; electrification; research and innovation into other fuels; fossil fuels are considerably cheaper than renewable alternatives
  - Energy efficient vessels: electrification, wind power, further research and innovation is necessary

# National coordinator for modal shift

- Action plan with commitments from Swedish public authorities
- 62 actions: collaboration and information; rules; infrastructure; barriers to market access; role of transport providers and transport buyers; research and innovation
- Ms Pia Berglund as a national coordinator for short sea shipping and inland navigation





**Increased focus on maritime  
research and innovation**





# Research and innovation in brief

- Overall volume of research and innovation projects at Trafikverket – ca 55 million euros in 2019, budget increase to ca 68 million euros in 2020
- About 5-6 million euros to waterborne / maritime – government decision in April 2019 to increase the budget (up to 10 million euros per year)
- Seven research and innovation portfolios, of which one is dedicated to waterborne / maritime

# Prioritised research areas at the Swedish Transport Administration

Four priorities of the waterborne / maritime portfolio:

- Climate and the environment
- Digitalisation and automation
- Maritime security and social dimension of sustainability in shipping
- More efficient waterborne transport and infrastructure

Research portfolio "Plan" includes priority areas:

- Potential of waterborne transport
- Better integration of shipping and aviation in multimodal transport planning

# Examples of maritime projects

- Sea Traffic Management – safer and more efficient maritime sector through information exchange: <https://www.stmvalidation.eu>
- Wallenius marine develops a wind-powered vessel – goal of near zero-emissions
- Automation and responsibility – several projects focusing on the role of the human as the degree of automation in vessels increases
- System analysis of policy instruments in the maritime sector in order to achieve the Swedish environmental policy goals





**Bringing Sweden closer together**