



SJÖFARTSVERKET

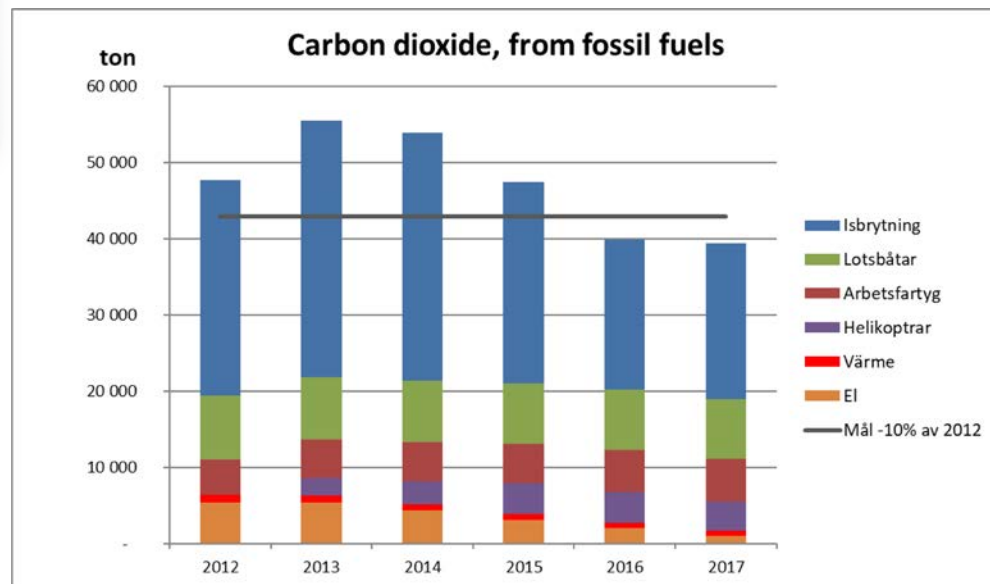
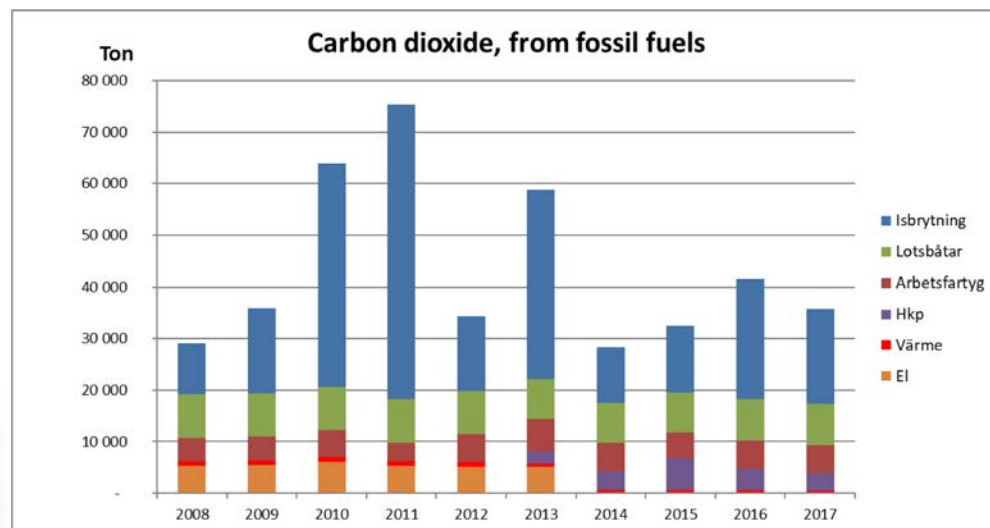
# Transport and Fairway services

Business area manager  
Anders Nordin



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# SMA Carbon dioxide (fossil origins) 2008 -- 2017



# SMA "EAP"

- Transformation phase





# Business Area, Transport and Fairway services



- 7 Operation areas
  - 23 Pilot stations
  - 1 Business area manager
  - 7 Operation managers
  - Approx. 175 Pilot Boat operators
  - 73 (+/-) Pilot Boats
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- Pilot transports
  - Maintenance and operations, Pilotboats
  - Maintenance, facilities and assets
  - Commercial services (eg. transports)
  - Maintenance, Fairways
  - Search and rescue



A collage of images illustrating challenges in the maritime sector. The central theme is 'Challenges', with sub-points: 'Aged and "non standardized" Fleet', 'Geographically dispersed' (with a map of Sweden showing coastal regions like Bottnensviken, Bottenhavet, Norra Östkusten, Södra Östkusten, Västernorrland, and Västerbotten), 'Costs' (with Euro banknotes and coins), 'Varied Operational conditions' (with images of a boat in icy waters and a boat in rough seas), and 'Culturally imbalanced/ Tradition affected organization' (with a portrait of a man in a naval uniform). The logo 'SJÖFARTSVERKET' is at the bottom left.

# Challenges

Aged and  
"non standardized"  
Fleet

Geographically  
dispersed

Costs

Varied  
Operational  
conditions

Culturally  
imbalanced/  
Tradition affected  
organization

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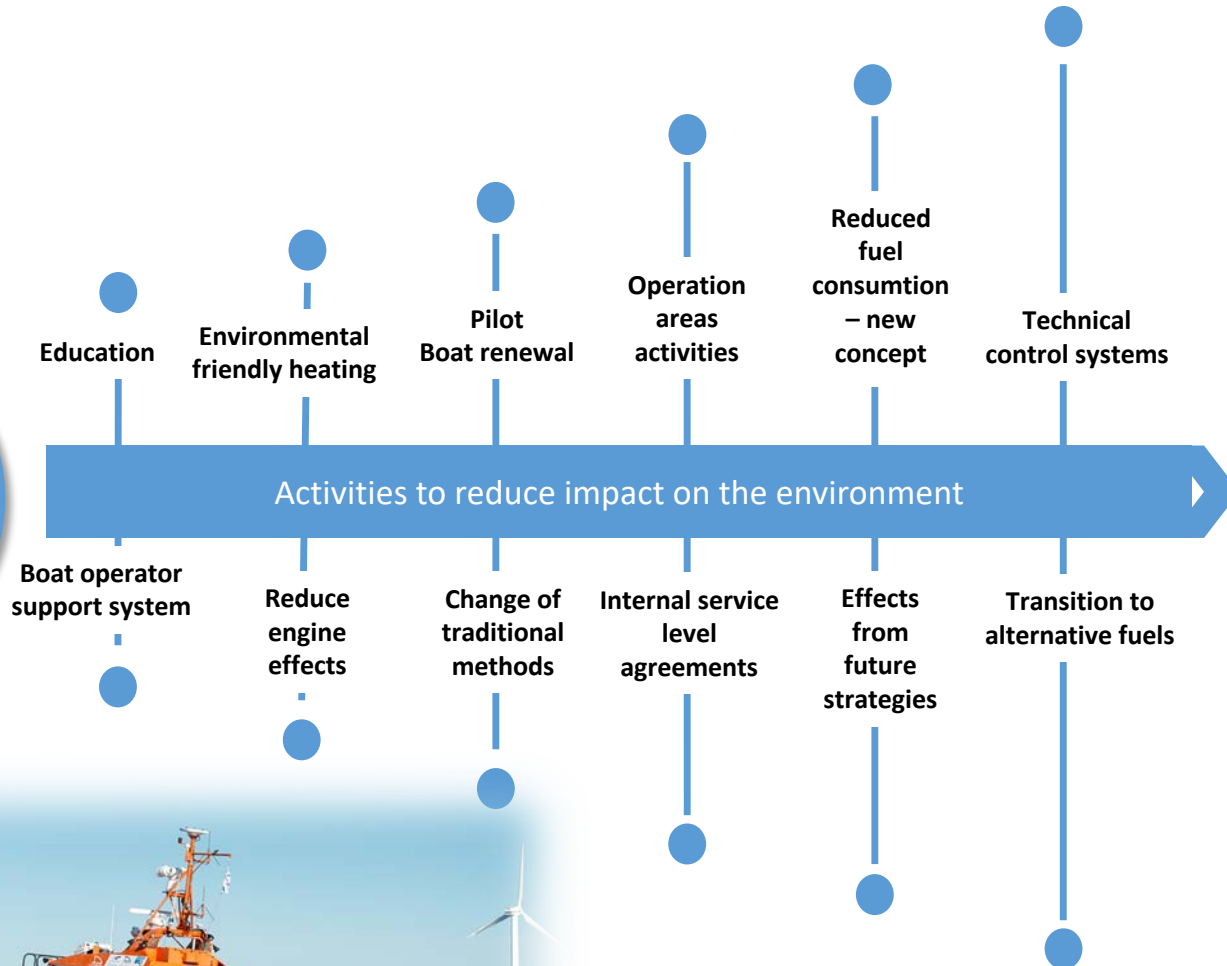
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# Possibilities





# Vision

- Sustainable Pilot boat operations
  - Change of methods
  - Change of culture
  - Transition to alternative fuels
- Sustainable with the help of technology
  - Pilot boat revenue
  - Technical surveillance systems
  - Real time boat operator support
  - Technical control systems
  - Pilotage in the future?
- Initial objectives
  - Reduced fuel consumption -15%
  - Less breakdowns -30%
  - Less CO2 emissions -15%

