



Gemeente  
Amsterdam

# City of Amsterdam Zero Emission Canals

ELMAR Seminar 9 juni 2021





# Action Plan Clean Air

- Air pollution is one of the largest health issues in Amsterdam
  - Similar to > 6 cigarettes / day
  - Life expectancy of people in Amsterdam is reduced with 1 year
- Goal: Amsterdam should perform better than WHO recommended values for NO<sub>x</sub> PM<sub>x</sub>:
  - PM<sub>2,5</sub> < 10,0 µg/ m<sup>3</sup>
  - NO<sub>2</sub> < 14,4 µg/m<sup>3</sup>
  - CO<sub>2</sub> reduction (Paris Agreement)



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## Actieplan Schone Lucht

Uitstootvrij  
Amsterdam





# Action Plan Clean Air

- Communicate
- Stimulate
- Facilitate
- Regulate



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## Actieplan Schone Lucht

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# Zero emission canals

## Scope

Amsterdam has a unique network of canals

- **Commercial fleet: 550 boats**
- **Recreational fleet: over 12.000**
- **Ferries (public transport): 16**
- **Transport over water: growing segment**

**Action Plan Clean Air has impact on all categories**

**Goal: Emission free in 2025/2030**



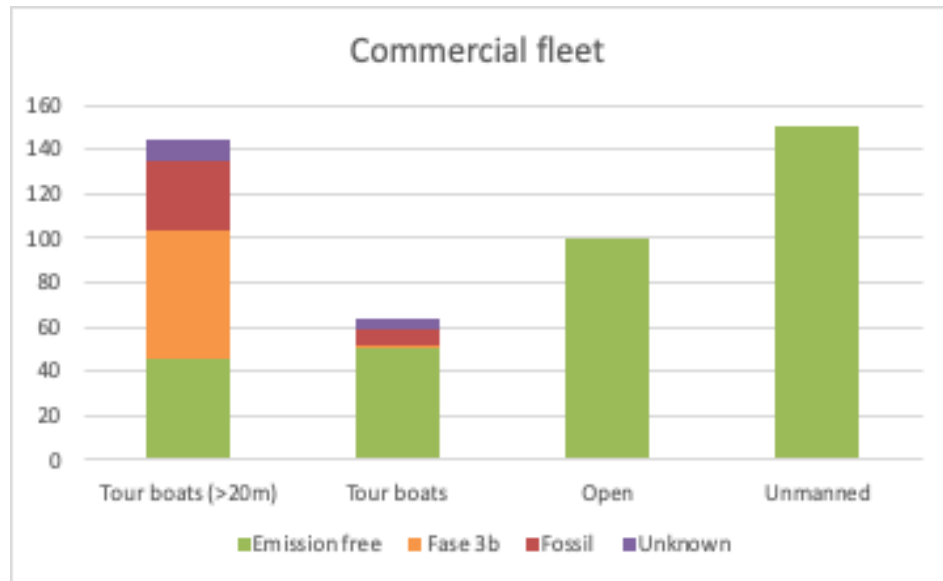
# XXX Commercial fleet

## Status:

- Most segments already emission free (electric)
- Most large tour boats still have to make the transition towards emission free

## Policy:

- 2024: All new permits for tour boats emission free
- 2025: All boats emission free
- Public and private charging





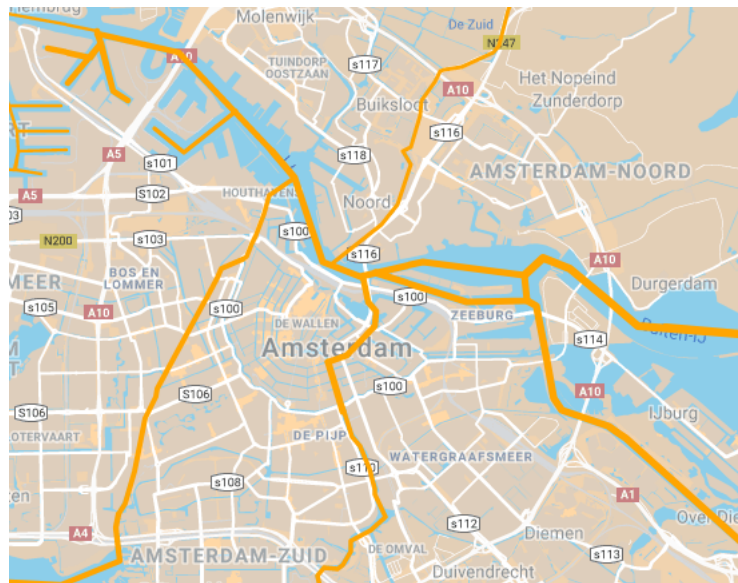
# Recreational fleet

Zero emission in 2025/2030

- Over 12.000 recreational boats in Amsterdam
- < 5% is currently electric

Policy:

- 2025: all boats have to be zero emission in Amsterdam in the City Centre, the rest in 2030
- Development of public charging network
- Charging in private harbours
- Lower permit tariff for emission free
- Evaluation 2022





# XXX Transport over water

- Zero emission in 2025
    - Streets (200km) and bridges (850) are not made for heavy transport
    - Restauration is a large and costly problem
    - Unique network of canals can be used for transport as well
- Ambition to work towards zero emission transport over water in 2025





# Charging infrastructure

- Technology and prices of batteries will change the coming years
- Investigate possibility to combine infrastructure for different modalities
- Impact on public space and electricity grid







# Conclusion

- Zero emission canals in 2025/2030
- Focus on charging infrastructure
- Cooperate with branch
- Communicate, stimulate, facilitate, regulate
- Learn