

provinsje fryslân
provincie fryslân 

Sustainable Mobility Going Electric

Aberdeen- 11 October 2010 – Paul Trip



The Interreg IWB
North Sea Region
Programme



Sustainable Mobility

1. Reduction

- Mobility Management
- Cycling / Public Transport / Carpooling

2. Transition

- Biofuels, CNG → Biogas
- Electric mobility

3. Sustainable infrastructure

- Green filling stations / charging points
- Sustainable materials



100.000 green vehicles 2015

provinsje fryslân
provincie fryslân

North of Netherlands

- Bio fuels / Green Gas (90%)
- Electric (10%)
- 40.000 in Fryslân
- Less dependant on fossil fuels
- Reduce emissions
- Combine with sustainable energy
- Local business opportunities

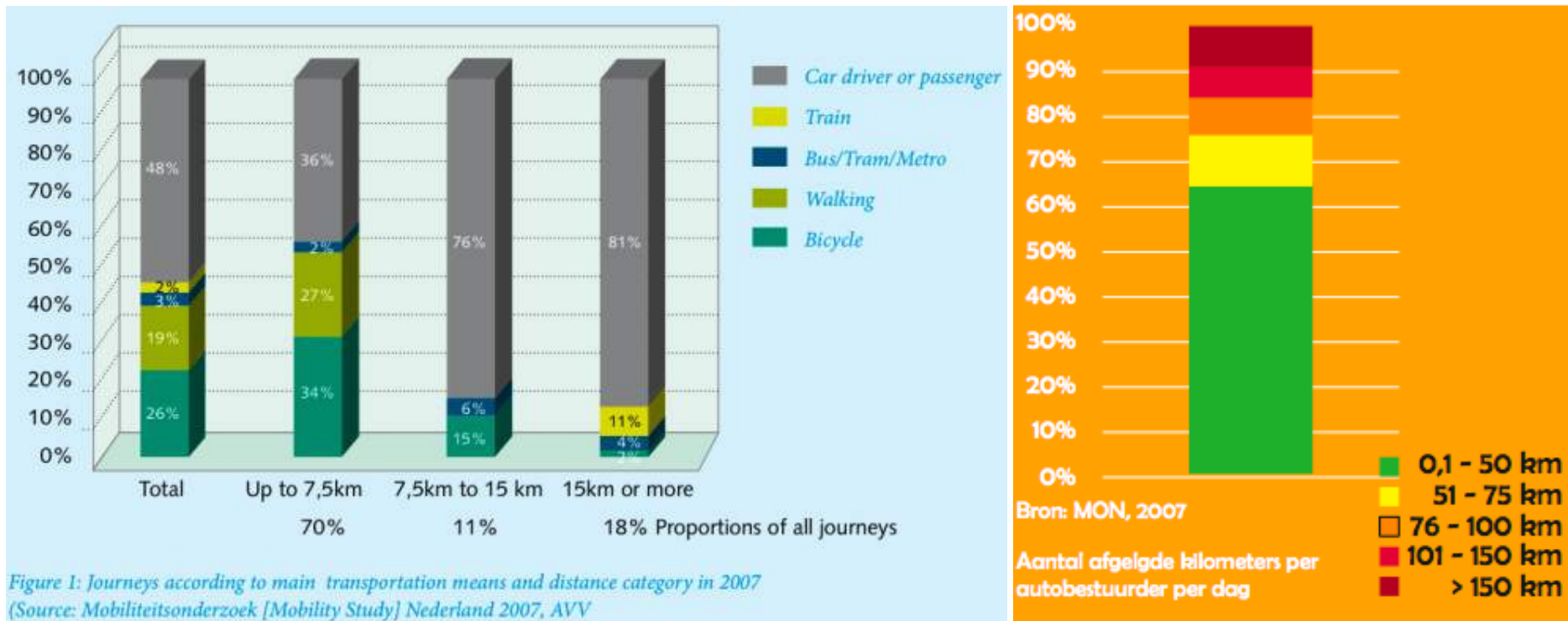


Electric mobility in the NL

Philosophy:

- Netherlands is suited for electric mobility
- We have to be ready for the breakthrough
- Investing / stimulating is needed
- We have to be ambitious, but realistic
- Government can't force it
- Market, research and government are joining forces

Mobility perspective



- 81% journeys < 15 km
- 91% by car < 150 km

Electric mobility in Fryslân

provinsje fryslân
provincie fryslân



provinsje fryslân
provincie fryslân



ProRail



NOM INVESTEREN IN
ONTWIKKELING



Program D4E

- Charging Infrastructure
- Electric bikes & scooters
- Electric cars & busses
- Electric powered boats
- Communication
- Business Development
- Knowledge transfer



Charging infrastructure

Masterplan infrastructure

- Inventarisation location charging points
- Charging technique
- Payment / interoperability

Projects

- First Fast charging station in Europe
- Network for electric cars
- Network for electric boats
- Network for electric bikes / scooters
- Inductive charging



Electric bikes & scooters

provinsje fryslân
provincie fryslân 

Cycling to work

- Cycling up to 15 km
- Electric bike substitute for car
- Campaign “E-fyts: Fiets makkelijk, fiets verder!”
- 30 electric bikes for Frisian companies



Electric scooters

- Campaign city of Leeuwarden
- 250 euro subsidy / scooter
- 80 – 100 electric scooters



The Interreg IYB
North Sea Region
Programme



Electric cars & busses

Launching customer

- Sustainable car park (70%)
Green Gas / Electric / Bio-ethanol
- Electric cabs Leeuwarden
- Electric bus Vlieland
- Electric bus Leeuwarden
- Organise test drives



Electric boats

Clean & quiet

- Subsidy electric boats > 100 boats
- Conversion rental boats
- Stimulate yachting industry
- Growing market sustainable tourism
- Electric only routes



Frisian Solar Challenge

- **Worldcup for solar boats**
- **220 kilometer in 6 days**
- **Playground for innovation**
- **50 competing teams**



Future transport

provinsje fryslân
provincie fryslân 



Thank you for your attention



The Interreg IVB
North Sea Region
Programme

