

Foresight

- 1 Metropolitan vulnerability to climate change - adaptation
- 2 Metropolitan contribution to climate change - mitigation
- 3 Green house gas emissions assessments and inventories
- 4 Green house gas emission reduction scenarios
- 5 Low or zero carbon metropolitan vision
- 6 Integrated metropolitan strategy - including adaptation and mitigation
- 7 Awareness raising and stakeholder involvement

EUCO2 80/50 project

Metropolitan mitigation measures (Version 1)

Hamburg Inception Meeting initial checklist

Supply

1 Renewable energy supply sources

- 2 Micro-renewable energy sources - CHP and hydrogen fuel cells
- 3 Combined heat and power (CHP) - developer obligations
- 4 Micro-renewable energy sources - solar and wind
- 5 Waste to heat and power generation

- 6 Support for a hydrogen energy supply system - using gas or electrolysis (hydrogen gas supply system for heating and transport)
- 7 Hydrogen vehicle recharging infrastructure
- 8 Electric vehicle recharging infrastructure

- 10 Support for carbon capture and storage (CCS)
- 11 Clean coal technology and development (EU project) (Gasification)

Demand

- 1 Short haul aviation (under 400km) to high speed trains
- 2 Reducing the need to travel - centres and multi purpose journeys
- 3 Reducing the need to travel - location and linkage of traffic generators
- 4 Reducing the need to travel - higher density, mixed use urban form
- 5 Enabling walking and cycling - metropolitan networks
- 6 Integrated public transport - connectivity and accessibility
- 7 Integrated freight transport - connectivity and accessibility
- 8 Traffic management and road pricing
- 9 Public transport management and dedicated routes

- 10 Public transport powered from renewable energy sources
- 11 Water supply powered from hydro, solar and wind energy sources
- 12 Waste treatment powered from biogas sources

- 13 **Micro climate management - Reducing the urban heat island effect**
- 14 Building Regulations - energy and water efficiency
- 15 Building Regulations - CO2 zero homes and buildings
- 16 Energy efficiency - improved metering and billing
- 17 Home insulation programmes

- 18 Public procurement policies (awareness raising)

Renewable energy supply sources in more detail

- 1 Wind farms. Onshore and offshore
- 2 Wave power
- 3 Tidal power
- 4 Hydro power
- 5 Barrages

- 6 Solar photovoltaic
- 7 Concentrated solar power (CSP)

- 8 Geothermal
- 9 Aquathermal

- 10 Biomass heat and power
- 11 Second generation biofuels - cellulose and algae
- 12 Waste management

- 15 Local public/private companies (local shareholders)
- 16 Introductory tariffs

Supply and demand cross cutting issues

- 1 Afforestation
- 2 Soil management
- 3 Water catchment area management

- 4 Urban/rural relationships