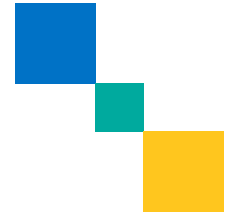




City of Helsinki



Adaptation in Helsinki



Johanna af Hällström
20.11.2013



Helsinki Metropolitan area

Helsinki

- 608 000 inhabitants
- 413 000 jobs
- 715 km²

Helsinki Metropolitan area

- 1 million inhabitants
- 600 000 jobs
- 1 490 km²





Adaptation in the environmental policy of Helsinki

Mitigation

- carbon neutral in 2050
- GHG emissions -30 % in 2020 (1990)
- the share of renewable energy 20% in 2020
- improved energy efficiency by 20 % in 2020 (2005)

Adaptation

- adaptation is integrated in all policies



Picture: Public Works Department, Viikinoja



Picture: Pekka Kansanen



Climate change adaptation strategies and programs

- Climate Change Adaptation Strategy for the Helsinki Metropolitan Area
 - a joint strategy of the Helsinki Region Environmental Services Authority (HSY) and the cities of the Helsinki Metropolitan Area
 - vision: Climate proof city – we're building the future now
- Flood program
 - mainly prevention of flood damages due to high sea water levels
- Storm water program
 - improving the management and utilization of storm waters
 - prevention of storm water damages



Picture: Jari Viinanen



Climate Proof City – Tools for planners 2012-2014 (ILKKA)

Project promotes climate-proof urban planning by creating planning tools and instructions about climate-proof planning for urban planners

- Green Factor -tool
- carbon sink -tool
- Type solutions and example cases for natural storm water management
- mapping of the urban heat islands in planning
- costs and benefits -databank to be used in cost and benefits analyses
- best practices from other cities

Partners: Cities of Helsinki, Lahti, Turku, Vantaa, HSY, Finnish Meteorological Institute and University of Turku



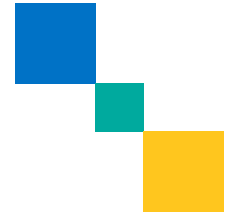
Kuninkaantammi - ecological district

- 100 ha area
- 5 000 residents
- 1 000 jobs
- construction work 2013-2023
- goals of the land use plan
 - energy efficiency, low-energy buildings, wood constructions
 - local land mass balance
 - climate change adaptation,
 - natural storm water management, greenroofs





City of Helsinki



Detailed instructions about green infrastructure and ecological storm water management in land use plan



Mayor's Climate Network



- Helsinki, Espoo, Tampere, Vantaa, Turku, and Oulu
- objectives: dissemination of good practices, promote Covenant of Mayors actions
- examples of initiatives:
 - an energy-wise road map
 - budgeting for climate impact assessment
 - co-operation of cities and small and medium-sized enterprises
- current initiatives are for mitigation
- new initiatives are been prepared for adaptation

