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**Helsinki Metropolitan Area Adaptation to Climate
Change Strategy**

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Nordic Climate Change Adaptation Workshop

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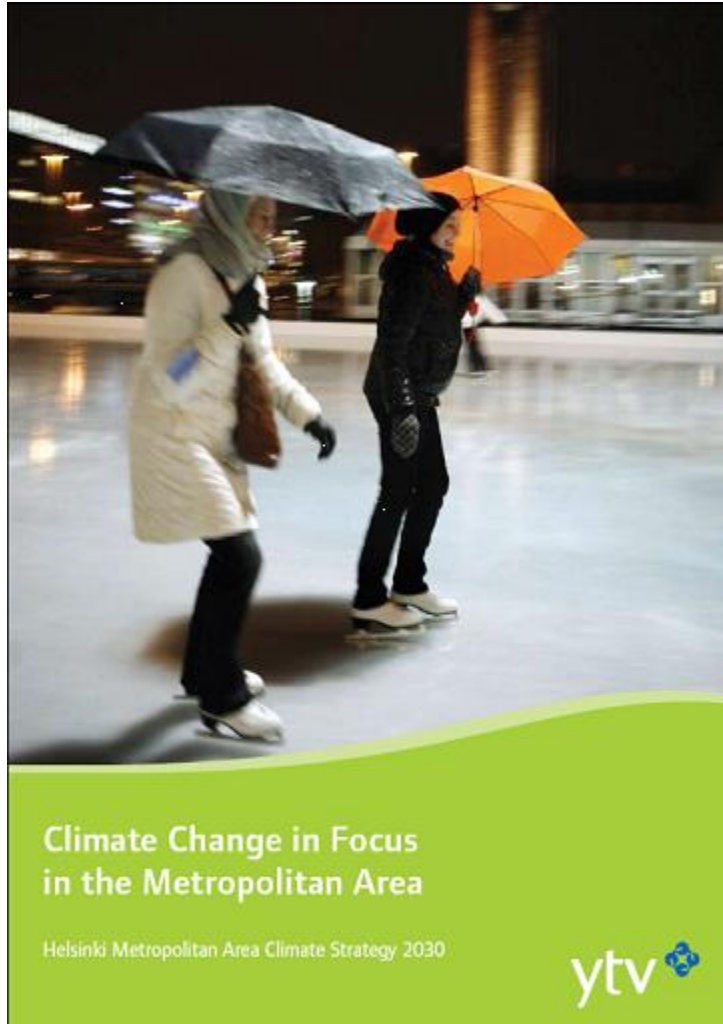
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The Helsinki Metropolitan Area has a climate change mitigation strategy in place (2007)



Outlines of the strategy work:

- **Sectors generating the greatest amount of GHG emissions**
- **Measures within the cities' own authority or control**
- **Focus on reducing energy consumption**



Adaptation strategy preparation has started

- **The key words of the adaptation strategy are:**
 - **Regional**
 - **Urban and built environment**
 - **Risk management**
- **Helsinki Metropolitan Area Council YTV is coordinating the preparation work**
- **The strategy is prepared in close cooperation with the member cities**
- **The work is also part of 2 projects: Life + Julia 2030 and BSR BaltCICA**



Helsinki Metropolitan Area Adaptation Strategy



City Adaptation Strategies

Flood strategies

City preparedness plans

Emergency departments' Preparedness plans



Implementation in focus

- The approach is two-way:
 - Top-down: the steering group
 - Bottom-up: Interviews of the city planners and workshops



Work in progress

- **Climate change and sea level scenarios for the area**
- **River flood risk modelling (and mapping)**
- **Interviews of city and regional workers – UKCIP's LCLIP method**
 - **Finding out how the weather and current extreme events affect their work**
 - **Identifying relevant impacts**
 - **Learning about existing adaptation and preparedness measures and plans**
- **A workshop in November to identify relevant impacts**
- **=> identifying vulnerable areas, groups and sectors!**



Interviews - some preliminary results

- **Weather (climate) has an effect on the activities, but it is only one of many factors that they have to consider**
- **Those interviewed were quite well aware of climate change and its potential impacts on their sector**
- **There already exist adaptation plans and measures in response to current climate variability and extreme weather events in some sectors/ organisations**
- **Some sectors/organisations are (well) prepared for current weather extremes**
- **Some know the problems but possibilities to act or do more are few**
- **Impacts often cross sectoral borders, but the city administration and activities often do not**
- **In some cases responsibilities are unclear**
- **There is need for more cooperation (e.g. flood protection, biodiversity protection and green zones/belts) and intersectoral strategies**
- **There is also need for more information, but some are taking action now even under uncertainty**



Next steps

- **Assessment of vulnerability (areas, sectors, groups)**
- **Identification and choosing adaptation options in spring 2010**
- **Assessment of costs of adaptation 2010 - 2011**
- **Drafting the strategy at the end of 2011**
- **Approval processes in 2011 – early 2012**
- **Implementation (or implementation starting already during the preparation process)**
- **Raising awareness of the need to adapt and act now is also important**



Questions, issues

- **Vulnerability!**
- **Which are the relevant sectors and intersectoral issues?**
- **Actions or policies?**
- **Integration of mitigation and adaptation**
- **Should we consider adaptation to climate policies?**
- **Should we consider adaptation to the global impacts of climate change?**



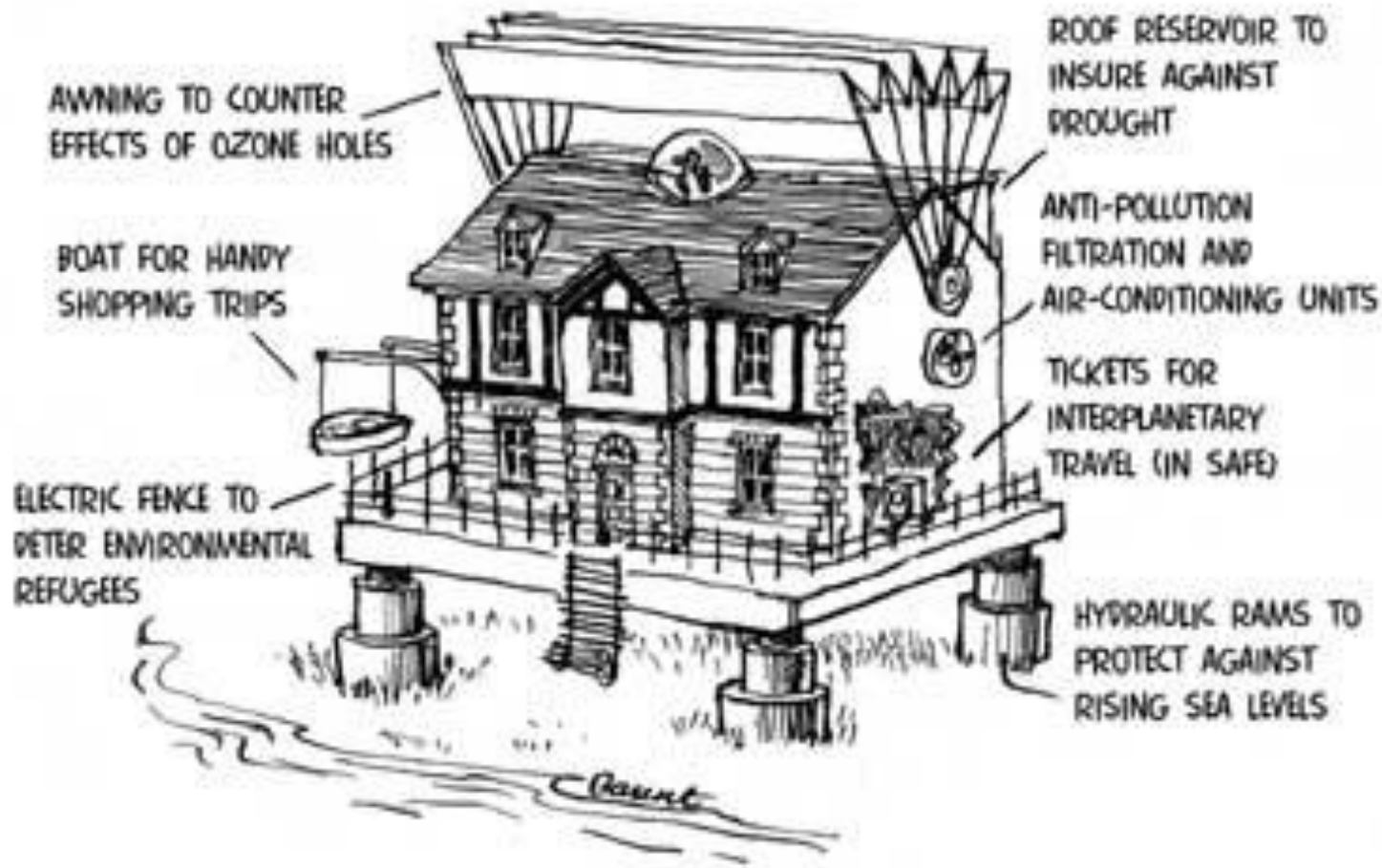
More information:
www.ytv.fi/climatechange



Thank you!



(ARCHITECT-DESIGNED FOR GLOBAL WARMING)



Moore, Tiempo 2006