

Activities in connection to the climate change in Hungary

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International programs

- Participation in the work of IPCC
- Clavier project
 - Climate Change and Variability: Impact in Central and Eastern Europe
 - OMSZ, BME, VITUKI, Env-in-Cent Kft.
- RegClim project
 - Regional Climate Development Under Global Warming
 - VÁTI, ELTE Department of Meteorology, Env-in-Cent Kft
- ESPON CLIMATE
 - Climate Change and Territorial Effects on Regions and Local Economies
 - BME, VÁTI
- DMCSEE
 - Drought Management Centre for South East Europe
 - OMSZ, VITUKI, ATIKÖVIZIG



National programs



MINISTRY OF RURAL DEVELOPMENT

VAHAVA project 2003-2008

- Changes-Impacts-Responses (VÁltozás-HAtás-VÁlaszadás)
 - Global climate change, Hungarian impacts and responses,
 - Purpose: consolidate the scientific basis for policy-making in context of the climate change hazard
 - The project mobilized the experts representing all key scientific disciplines
 - Main fields: water management, agriculture, soil management, forestry, energy sector, architecture, health, tourism, etc.



National Climate Strategy 2008-2025

- Implementation of the international commitments
- Reduce and limit greenhouse gas emissions of anthropogenic origin
- Adaptation to the domestic impacts of climate change
- Preparation for the domestic impacts and instruments for complying with these objectives



Extreme hydrometeorological events



2003, drought

- The most severe drought from 1951
- Extremly little precipitation, summer temperature above normal with 4-5°C
- Yield losses, forest fires, problems in river shipping on the Danube and Tisza, reduced run in some power plants
- In Hungary near 400 million EUR damage in agriculture





2010, extreme precipitation

- The wettest year from 1901,
- Countrywide average: 959 mm
- (R2010-R1971-2000)/R1971-2000= 68%
- Internal waters:
 - 130-140 thousands hectares under water
- Floods in May-June
 - 100 billion Forints losses
- Extreme precipitation events
 - Hail, storms
 - Loss of harvest





Thank you for your attention!