

BACC
BALTEX ASSESSMENT OF CLIMATE CHANGE
for the Baltic Sea Basin



Structure of the BACC II report (as of 13 April 2010)

1. Overall assessment and summary
2. **Past climate variability**
 - 2.a **Holocene (10.000 yr)**
 - 2.b **Historical time frame (1000 yr)**
3. Recent (mainly 200 years) and current climate change
 - 3.a Atmosphere
 - i. Atmospheric physics
 - ii. Atmospheric chemistry
 - ...
 - 3.b Baltic Sea
 - i. Marine physics**
 - ii. Marine biogeochemistry**
 - iii. Sea ice**
 - iv. Sea level**
 - 3.c Land
 - i. Hydrology
 - ii. Terrestrial cryosphere
 - iii. Vegetation, soil and freshwater biogeochemistry



4. Future climate change

4a. **Skill of methods for describing regional climate futures**

4b. Projections of future climate change

5. Impacts of current and future climate change

5a. Climate-related terrestrial ecosystem change

5b. Climate-related marine ecosystem change

5c. **Socio-economic impacts (agricultural practices, fisheries, aquaculture, land use...)**

5d. **Urban complexes**

6. Attributing causes of regional climate change

6a. **Global warming**

6b. **Aerosols (natural and pollutants)**

6c. **Land use and resource management**

Annexes

- **Empirical evidence for consensus and dissent among regional climate researchers**
- **Observational data used**
- ...

(Bold: New in BACC II)