



Structure of the BACC II report with potential Lead Author names (as of 13 April 2010)

1. Overall assessment and summary

2. Past climate variability

2.a Holocene (10.000 yr) **Irina Borsenkova (Ru)**, Barbara Wohlfahrt (S), Samuli Helama (Fi)

2.b Historical time frame (1000 yr) **Tadeusz Niedzwiedz (Pl)**, Rudolf Brazdil (Cz), Anders Moberg (S), Eduardo Zorita (D),

3. Recent (mainly 200 years) and current climate change

3.a Atmosphere

i. Atmospheric physics **Anna Rutgersson (S)**, Zbigniew Ustrnul (Pl),

ii. Atmospheric chemistry **Henning Rohde (S)**, David Simpson (N), Sergej Chicherin (Ru)

3.b Baltic Sea

i. Marine physics **Jüri Elken (Est)**, Andreas Lehmann (D), Kai Myrberg (Fi), Jan Piechura (Pl)

ii. Marine biogeochemistry **Bernd Schneider (D)**, Janusz Pempkowiak (Pl), Matti Perttilä (Fi), Inga Lips (Est), Falk Pollehne (D)

iii. Sea ice **Jari Haapala (Fi)** Matti Leppäranta (Fi),

iv. Sea level **Birgit Hünicke (D)**, Kimmo Kahma (Fi), Gunnar Elgegren (S)

3.c Land

i. Hydrology **Dan Rosbjerg (Dk)**, Jukka Käyhkö (Fi), Alan Rohde (S), Jan Seibert (S), Andrej Shalygin (Ru)

ii. Terrestrial Cryosphere **Tatjana Gronskaya (Ru)**, Jonas Aakerman (S), Sirpa Rasmus (Fi)

iii. Vegetation, soil and freshwater biogeochemistry **Gunta Springe (Lv)**, Tiina Noges (Est), Hans Linderholm (S), Emma Kritzberg (S), Marek Degorski (Pl), Jari Liski (Fi),



4. Future climate change

4a. Skill of methods for describing regional climate futures **Joanna Wibig (PI)**, **Cintia Uvo (S)**, Jouni Räisänen (Fi), Erik Kjellström (S), Igor Shkolnick (Ru), Eduardo Zorita (D) Uldis Bethers (Lv),

4b. Projections of future climate change **Ole Bossing Christensen (Dk)**, **Burkhard Rockel (D)**, Erik Kjellström (S), Lars Bärring (S), Stefan Hagemann (D),

5. Impacts of current and future climate change

5a. Climate-related terrestrial ecosystem change **Monika Strömgren (S)**, **Pekka Niemelä (Fi)**, Thorsten Blenckner (S), Peeter Noges (Est), Marek Degorski (Pl),

5b. Climate-related marine ecosystem change **Ragnar Elmgren (S)**, **Markku Viitasalo (Fi)**, Marcin Weslawski (Pl), Erik Bonsdorff (Fi),

5c. Socio-economic impacts (agricultural practices, fisheries, aquaculture, land use...) **Tim Carter (Fi)**, **Michael Köhl (D)**, Jon Moen (S), Markku Ollikainen (Fi), Andrzej Kedziora (Pl), Ülo Mander (Est)

5d. Urban complexes **Sonia Deppisch (D)**, **Krzysztof Fortuniak (Pl)**, Heike Schlünzen (D), Natalia Lemeshko (Ru)

6. Attributing causes of regional climate change

6a. Global warming **Jonas Bhend (CH)**

6b. Aerosols (natural and pollutants) **Veli-Matti Kerminen (Fi)**, Jan Petterson (S),

6c. Land use and resource management **Leif Klemetsson (S)**

Annexes

- Empirical evidence for consensus and dissent among regional climate researchers **Dennis Bray (D)**
- Observational data used
- ...

(**Blue**: chapter and sub-chapter titles; **Bold red**: suggested Lead authors; **light red**: potential substitutes for Lead Authors; **black**: other possible candidates)