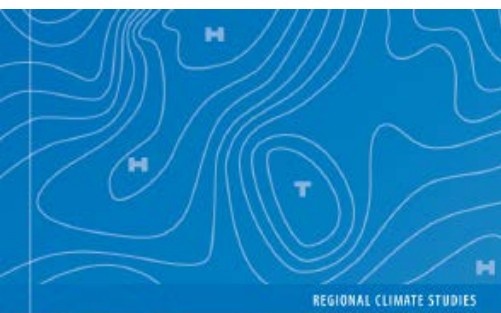




**baltic.earth**

Earth System Science for the Baltic Sea Region



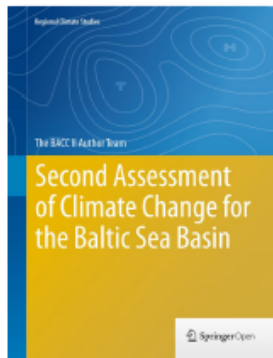
The BACC Author Team

**Assessment  
of Climate Change for  
the Baltic Sea Basin**

[http://www.hzg.de/institutes\\_platforms/coastal\\_research/about\\_us/projects/baltic\\_earth/index.php.de](http://www.hzg.de/institutes_platforms/coastal_research/about_us/projects/baltic_earth/index.php.de)

**BACC (2008) Free Download**





The BACC II Author Team (Ed.)  
**Second Assessment of Climate Change for the Baltic Sea Basin**

Series: Regional Climate Studies

- ▶ Provides an up-to-date regional assessment of climate change in the Baltic Sea basin
- ▶ Treats atmospheric, hydrological, oceanographic, biogeochemical, ecosystem and societal changes now and in the future
- ▶ Comprehensive reference and text book for professional and academic use

This book is an update of the first BACC assessment, published in 2008. It offers new and updated scientific findings in regional climate research for the Baltic Sea basin. These include climate changes since the last glaciation (approx. 12,000 years ago), changes in the recent past (the last 200 years), climate projections up until 2100 using state-of-the-art regional climate models and an assessment of climate-change impacts on terrestrial, freshwater and marine ecosystems. There are dedicated new chapters on sea-level rise, coastal erosion and impacts on urban areas. A new set of chapters deals with possible causes of regional climate change along with the global effects of increased greenhouse gas concentrations, namely atmospheric aerosols and land-cover change.

The evidence collected and presented in this book shows that the regional climate has already started to change and this is expected to continue. Projections of potential future climates show that the region will probably become considerably warmer and wetter in some parts, but dryer in others. Terrestrial and aquatic ecosystems have already shown adjustments to increased temperatures and are expected to undergo further changes in the near future.

The BACC II Author Team consists of 141 scientists from 12 countries, covering various disciplines related to climate research and related impacts. BACC II is a project of the Baltic Earth research network and contributes to the World Climate Research Programme.

2015, XXXVIII, 501 p. 232 illus., 174 illus. in color.

Printed book

**Hardcover**

▶ 49,99 € | £44.99 | \$59.99  
 ▶ \*53,49 € (D) | 54,99 € (A) | CHF 67.00

eBook

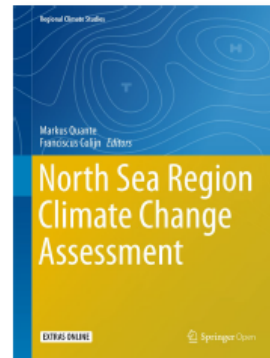
Available from your library or

▶ [springer.com/shop](http://springer.com/shop)

MyCopy

Printed eBook for just

▶ € | \$ 24.99  
 ▶ [springer.com/mycopy](http://springer.com/mycopy)



M. Quante, F. Colijn (Eds.)  
**North Sea Region Climate Change Assessment**

Series: Regional Climate Studies

- ▶ Offers a detailed climate-change assessment for the North Sea Region
- ▶ Addresses a wide range of topics, making it ideal for interdisciplinary studies
- ▶ Provides a comprehensive overview of the North Sea Region

This book offers an up-to-date review of our current understanding of climate change in the North Sea and adjacent areas, as well as its impact on ecosystems and socio-economic sectors. It provides a detailed assessment of climate change based on published scientific work compiled by independent international experts from climate-related disciplines such as oceanography, atmospheric sciences, marine and terrestrial ecology, using a regional evaluation and review process similar to that of the Intergovernmental Panel on Climate Change (IPCC). It provides a comprehensive overview of all aspects of our changing climate, discussing a wide range of topics including past, current and future climate change, and climate-related changes in marine, terrestrial and freshwater ecosystems. It also explores the impact of climate change on socio-economic sectors such as fisheries, agriculture, coastal zone management, coastal protection, urban climate, recreation/tourism, offshore activities/energy, and air pollution.

1st ed. 2016, XLV, 528 p. 277 illus., 215 illus. in color.

Printed book

**Hardcover**

▶ 49,99 € | £44.99 | \$59.99  
 ▶ \*53,49 € (D) | 54,99 € (A) | CHF 66.55

eBook

Available from your library or

▶ [springer.com/shop](http://springer.com/shop)

MyCopy

Printed eBook for just

▶ € | \$ 24.99  
 ▶ [springer.com/mycopy](http://springer.com/mycopy)



Order online at [springer.com](http://springer.com) ▶ or for the Americas call (toll free) 1-800-SPRINGER ▶ or email us at: [customerservice@springer.com](mailto:customerservice@springer.com). ▶ For outside the Americas call +49 (0) 6221-345-4301 ▶ or email us at: [customerservice@springer.com](mailto:customerservice@springer.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with \* include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with \*\* include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted.



Order online at [springer.com](http://springer.com) ▶ or for the Americas call (toll free) 1-800-SPRINGER ▶ or email us at: [customerservice@springer.com](mailto:customerservice@springer.com). ▶ For outside the Americas call +49 (0) 6221-345-4301 ▶ or email us at: [customerservice@springer.com](mailto:customerservice@springer.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with \* include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with \*\* include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted.