

Blue Marble 3000

This visualization has been developed at the Zurich University of Applied Sciences by Adrian Meyer and Karl Rege.

It shows the earth starting at the last glacial maximum 21000 years ago and ends 1000 years in the future. End summer sea ice is shown. The yellow line shows the actual shoreline. The future projection is based on the assumption of complete cessation of carbon dioxide emissions in 2100 (-IPCC A2). Because world population is rather uncertain, we froze to its current value. For further information: info@zhaw.ch

Main data sources for the visualization are the following:

Historic

Climate/Vegetation: J.M. Adams (1997)

Glaciation: Arthur S. Dyke, B.G. Andersen, J. Ehlers, Fuyuki Saito, Ayako Abe-Ouchi

Future

Climate/Vegetation: Nathan P. Gillett et al. (2011)

Glaciation: Philippe Huybrechts, Heiko Goelzer, Heinz Blatter