

Sea Level Change: Maps and Diagrams

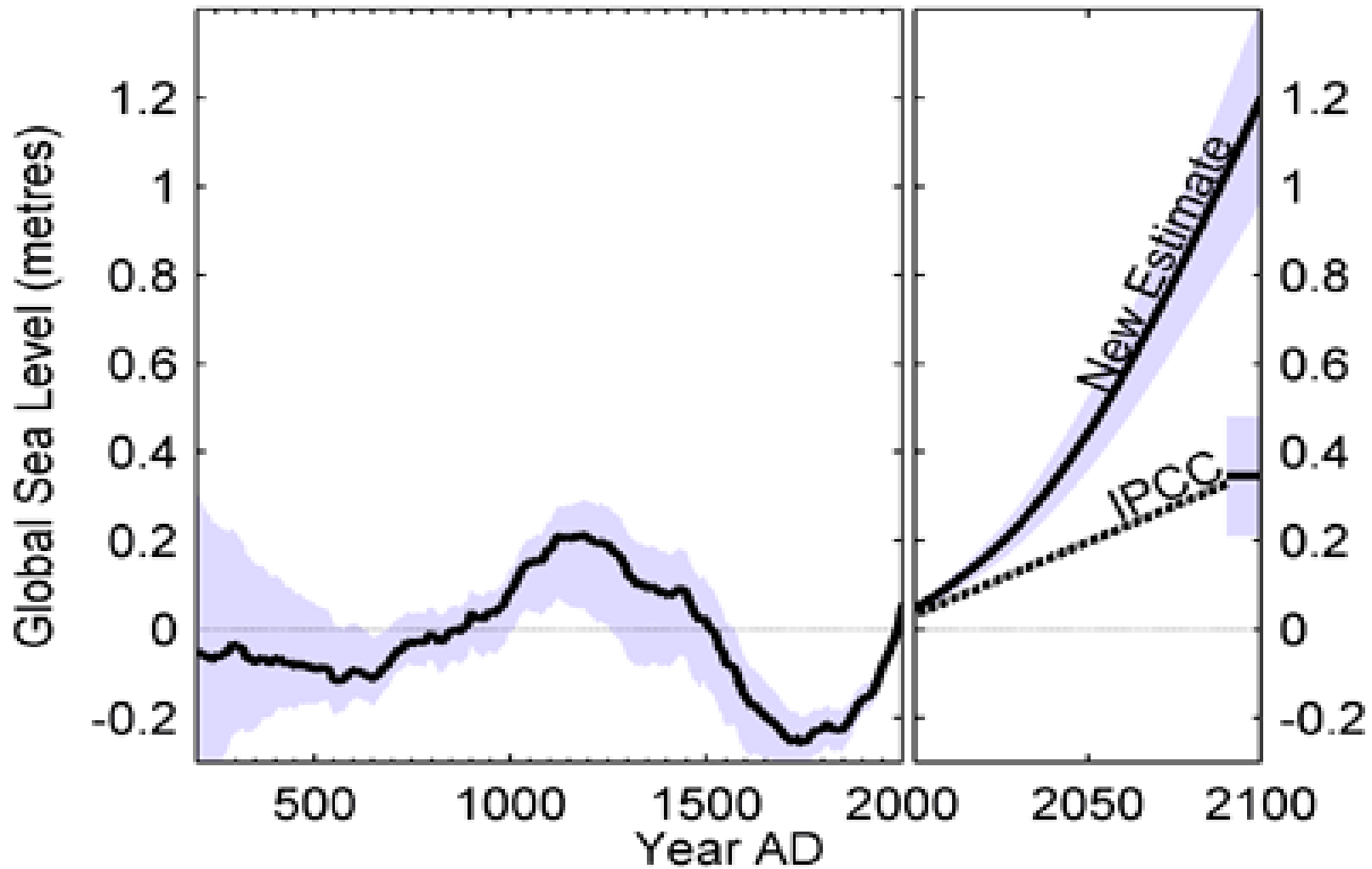


Diagram 1: Sea level change graph for next 100 years

Source: Proudman Oceanographic Laboratory, 2008

Regions Vulnerable to Sea Level Rise

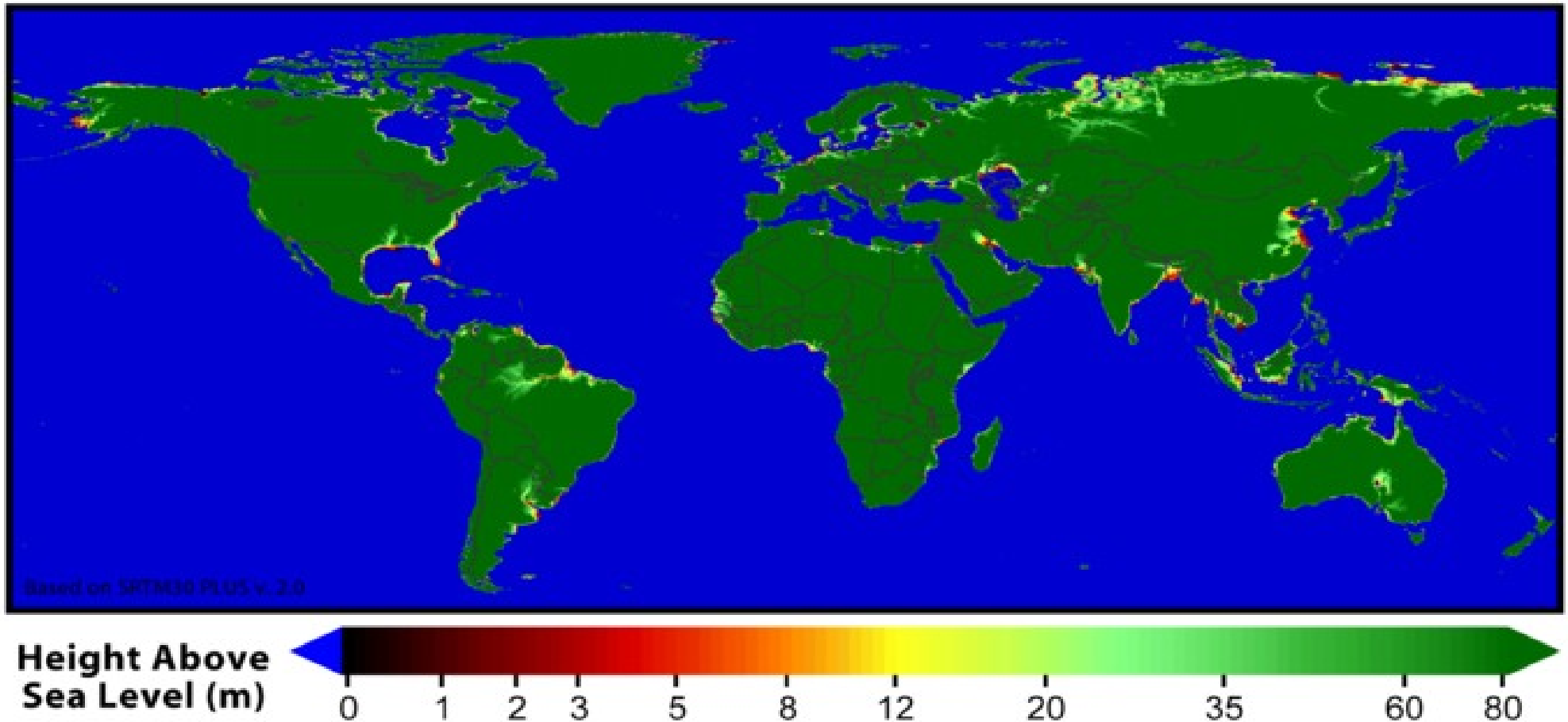


Diagram 2: Regions vulnerable to sea level rise

Source: http://www.globalwarmingart.com/wiki/File:Global_Sea_Level_Rise_Risks_png

Sea Level Risks - Bangladesh

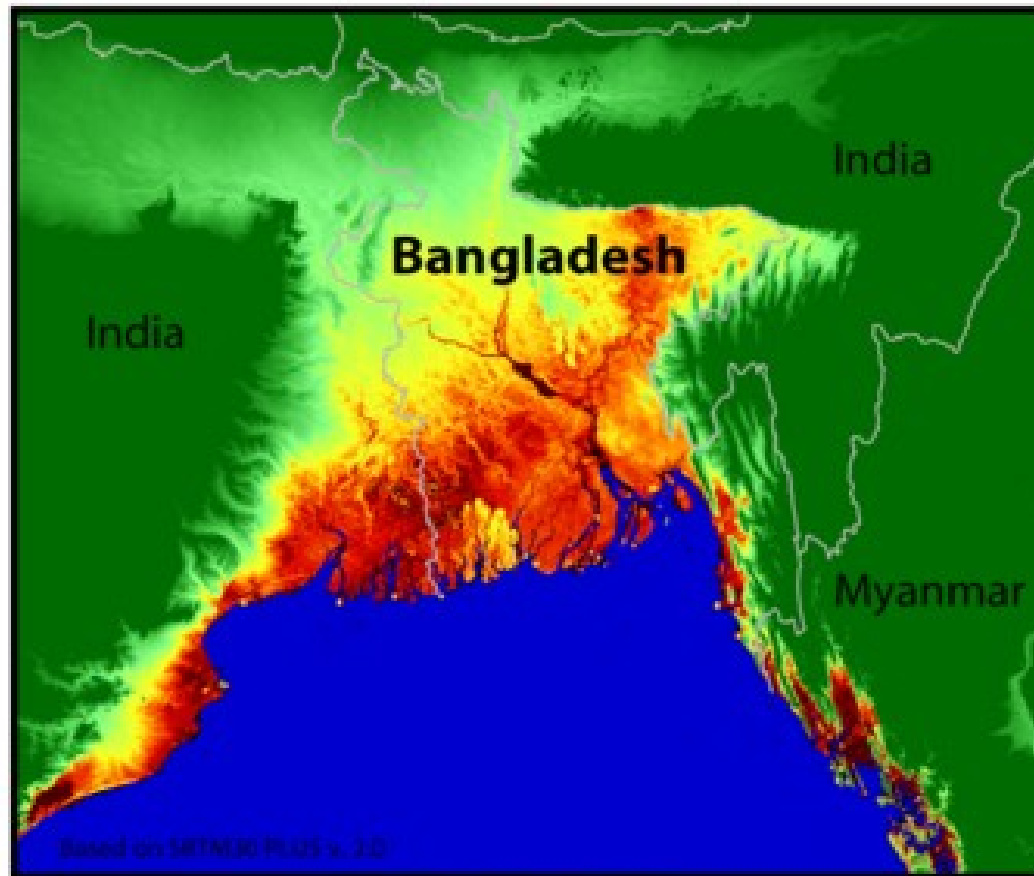


Diagram 3: Sea level rise impacts in Bangladesh

Source: http://www.globalwarmingart.com/wiki/File:Global_Sea_Level_Rise_Risks_png

Sea Level Risks - North Sea

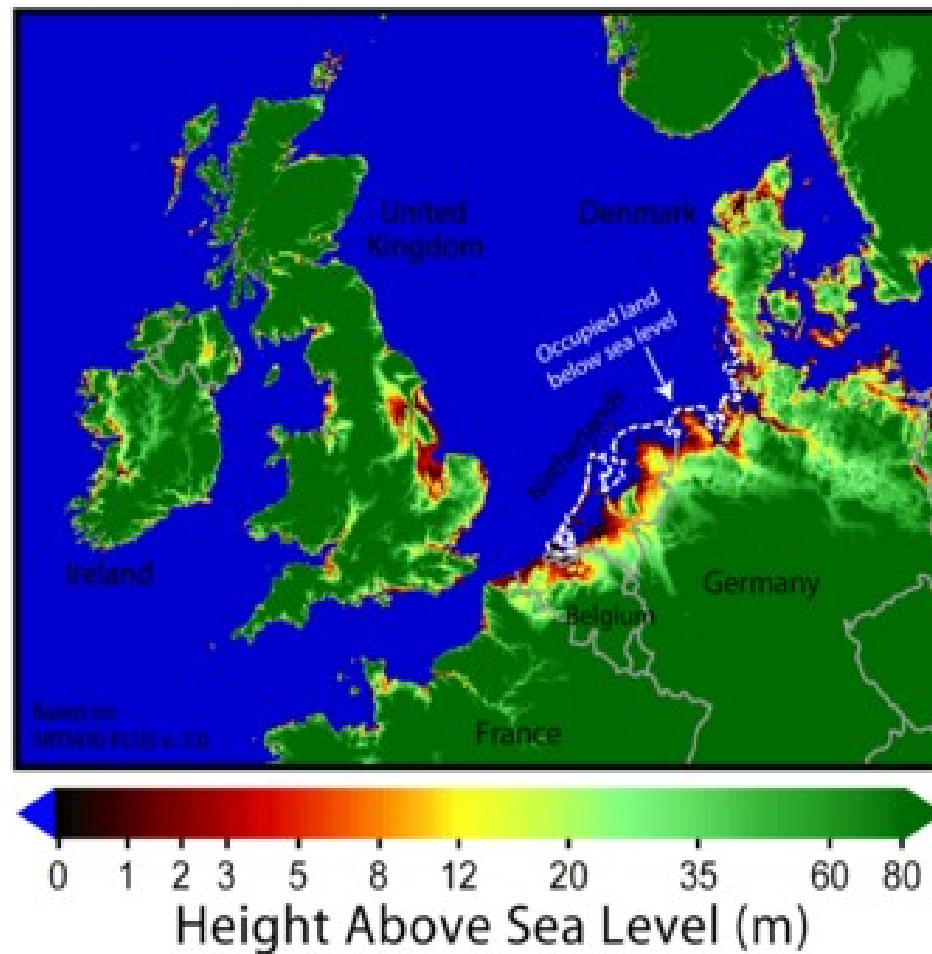


Diagram 4: Sea level rise impacts in Northern Europe

Source: http://www.globalwarmingart.com/wiki/File:Global_Sea_Level_Rise_Risks_png

Sea Level Risks - Louisiana

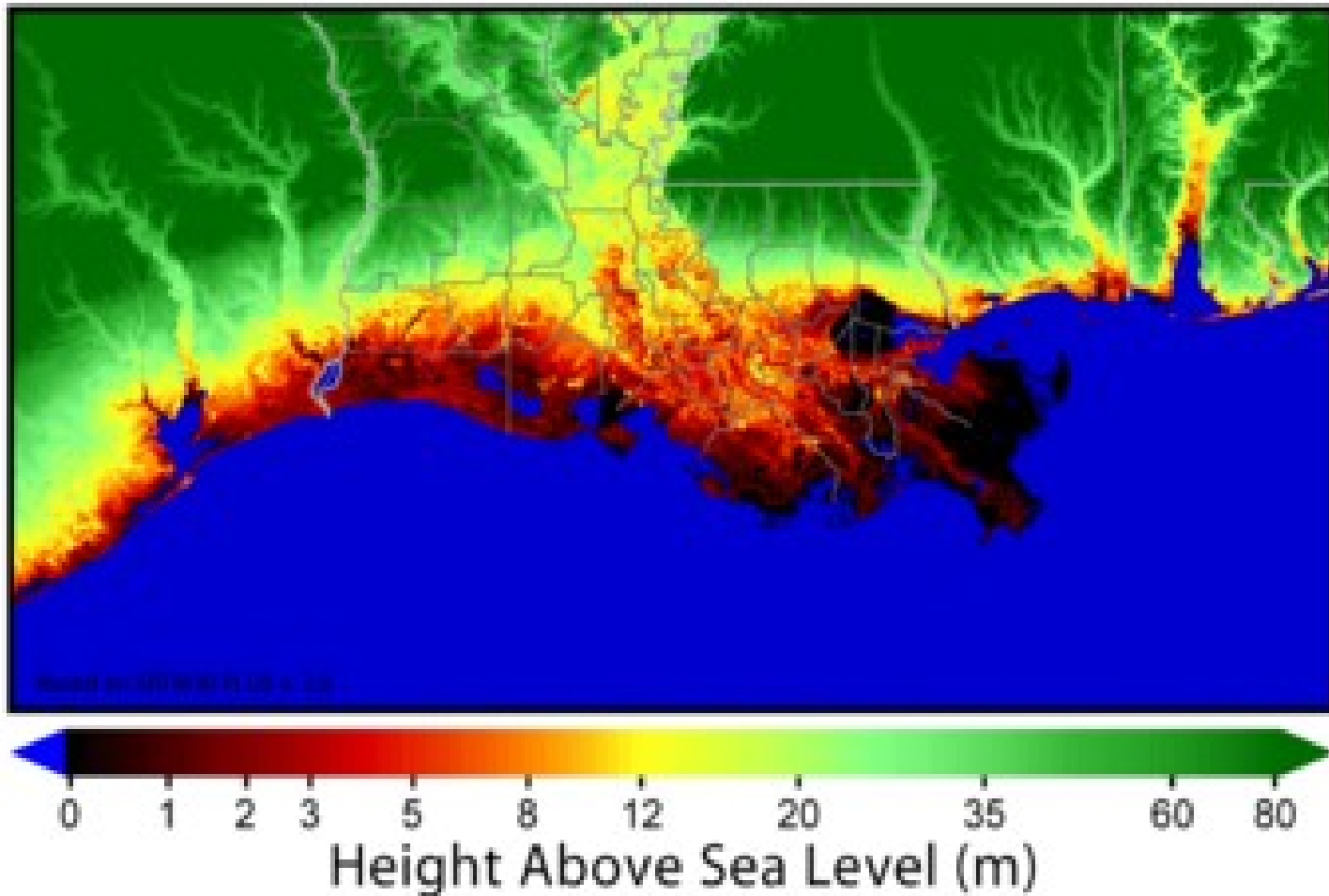


Diagram 5: Sea level rise impacts in Louisiana

Source: http://www.globalwarmingart.com/wiki/File:Global_Sea_Level_Rise_Risks_png

Sea Level Risks - US East Coast

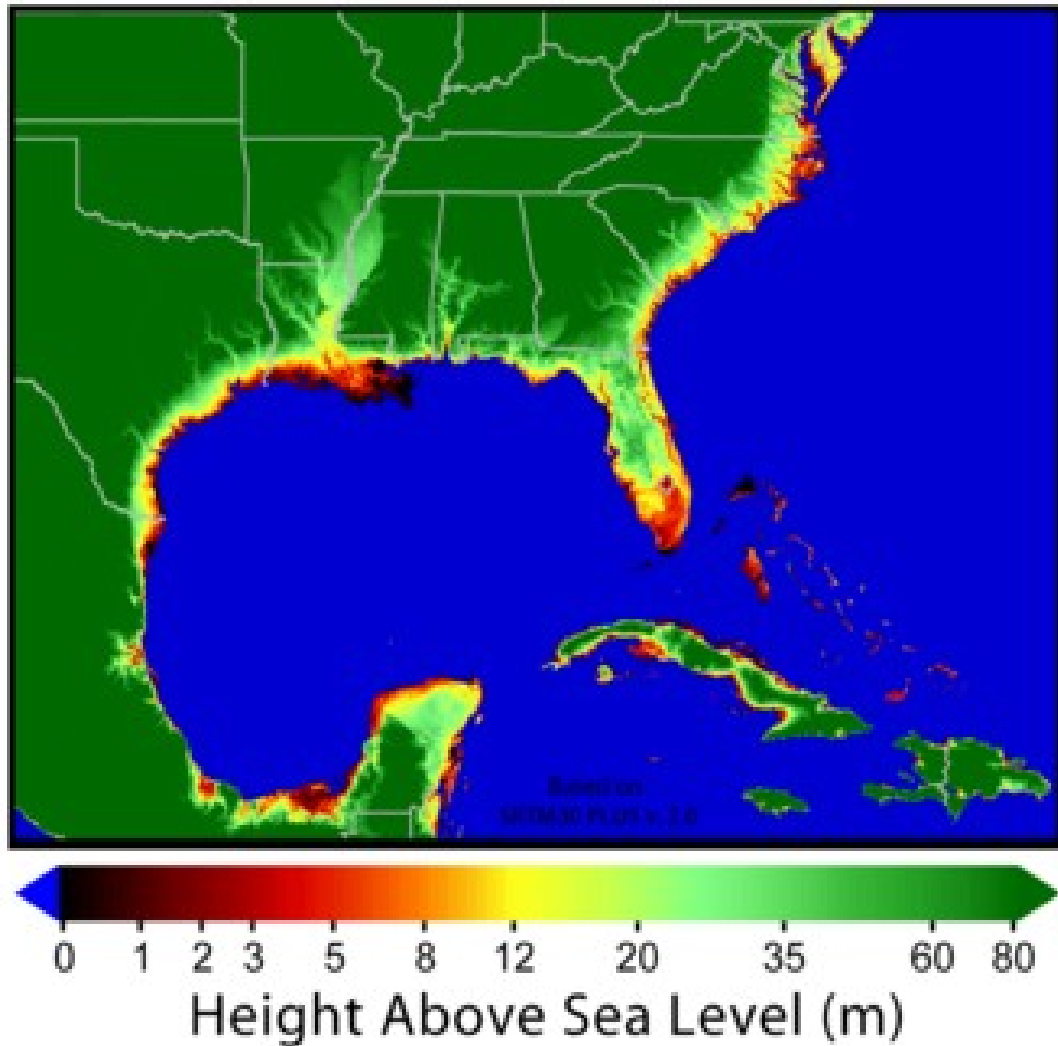
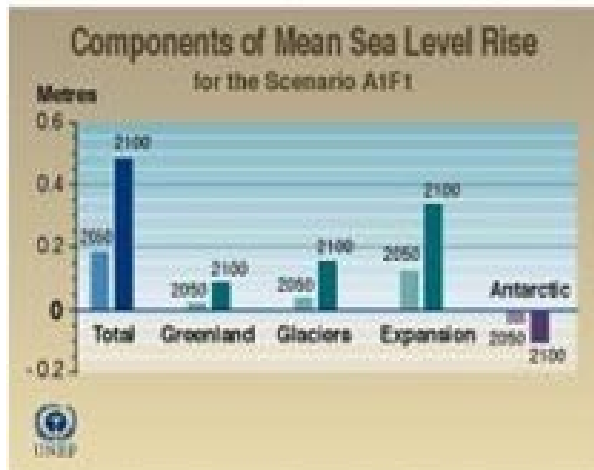
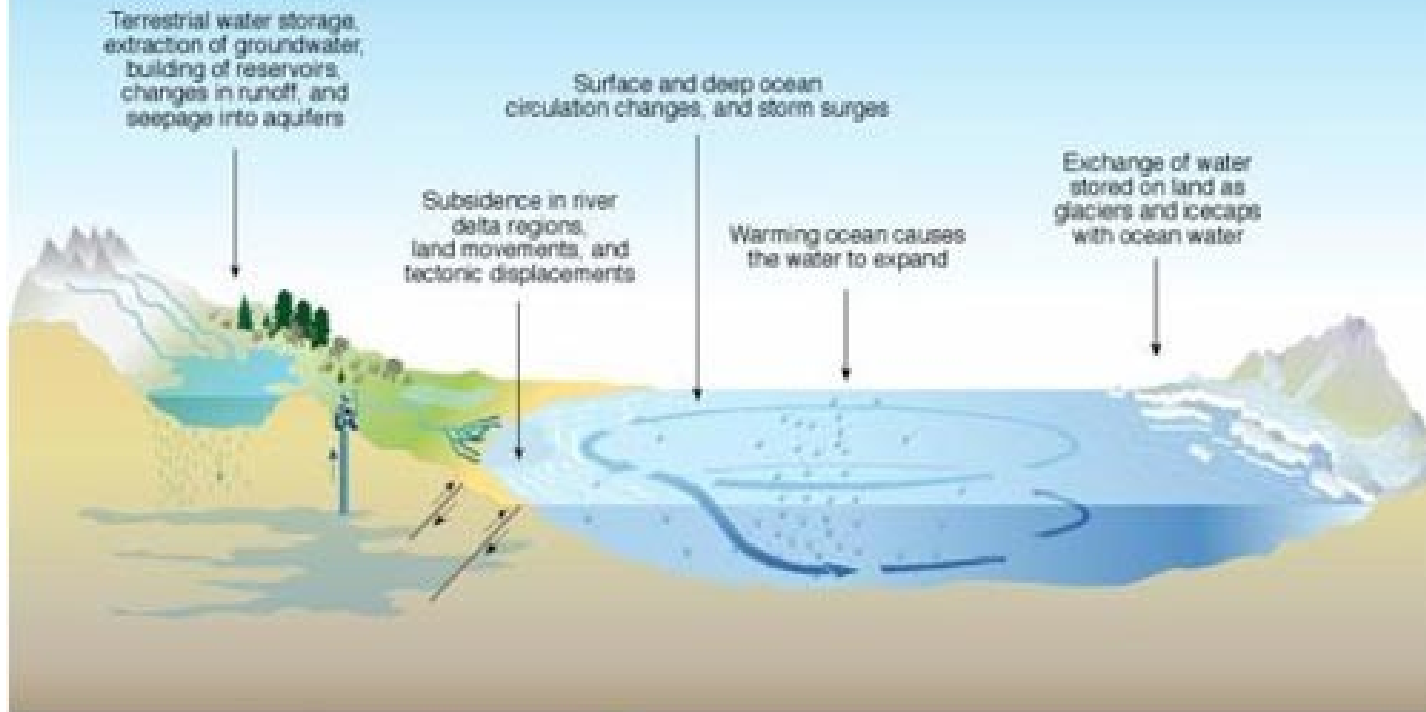


Diagram 7: Sea level rise impacts in Florida

What Causes the Sea Level to Change?



The A1 scenario family describes a future of rapid economic growth, a global population that peaks in the middle of the 21st century and then declines, and the rapid introduction of new and more efficient technologies. The major underlying themes are convergence among regions, capacity-building, and increased cultural and social interaction, with a substantial reduction in regional differences in per capita incomes. The A1 scenario family develops into three groups with alternative directions of technological change according to their energy systems: fossil intensive (A1F1), non-fossil energy sources (A1T), or a balance of both (A1B).

IPCC Working Group I Contribution to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change

Source: David Griggs, in *Climate Change 2001, Synthesis report, Contribution of working groups I, II and III to the Third Assessment Report of the Intergovernmental Panel on Climate Change*, Cambridge University Press, 2001.

Diagram 7: The causes of sea level rise

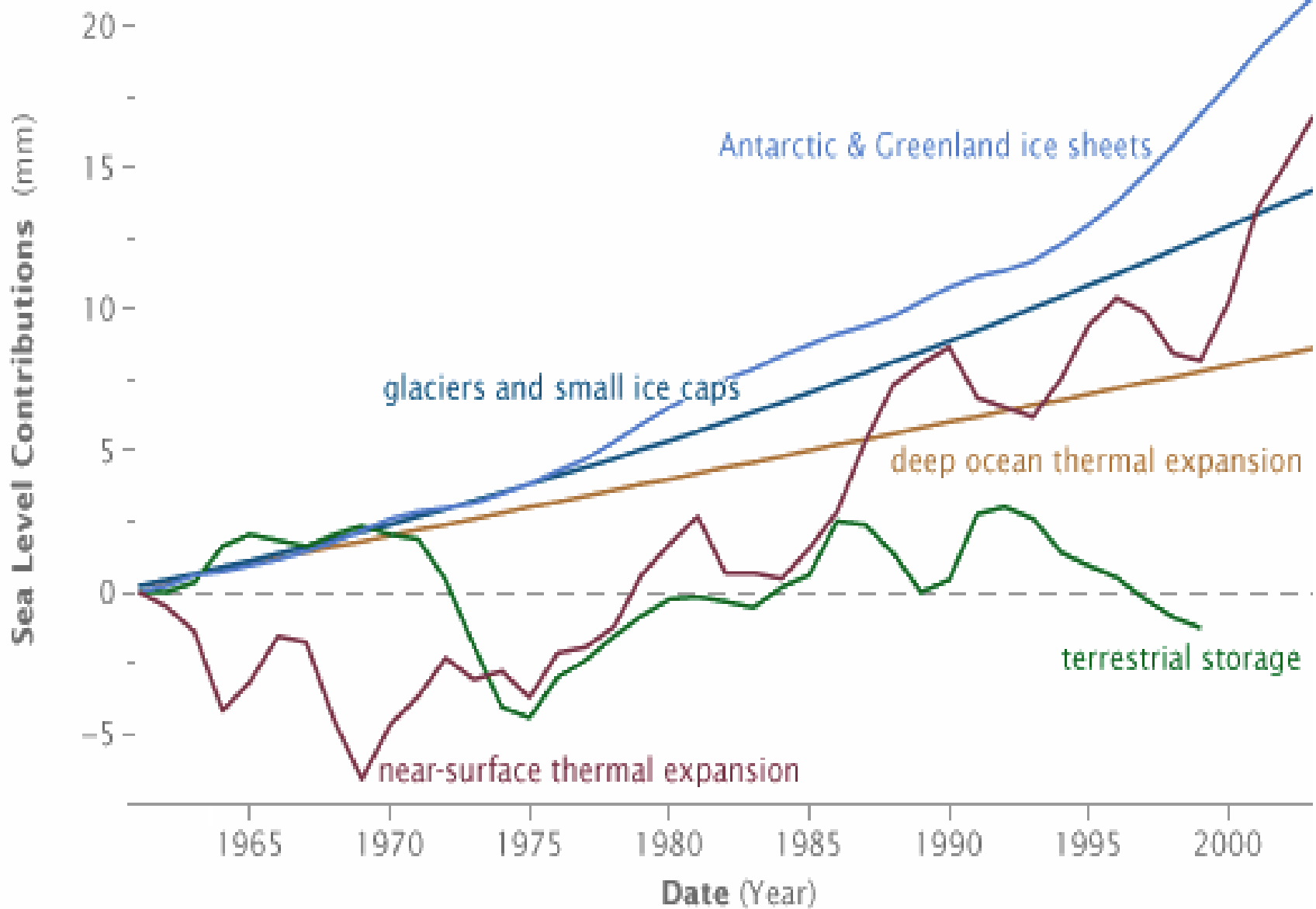


Diagram 8: Contributing factors to sea level rise over last 50 years

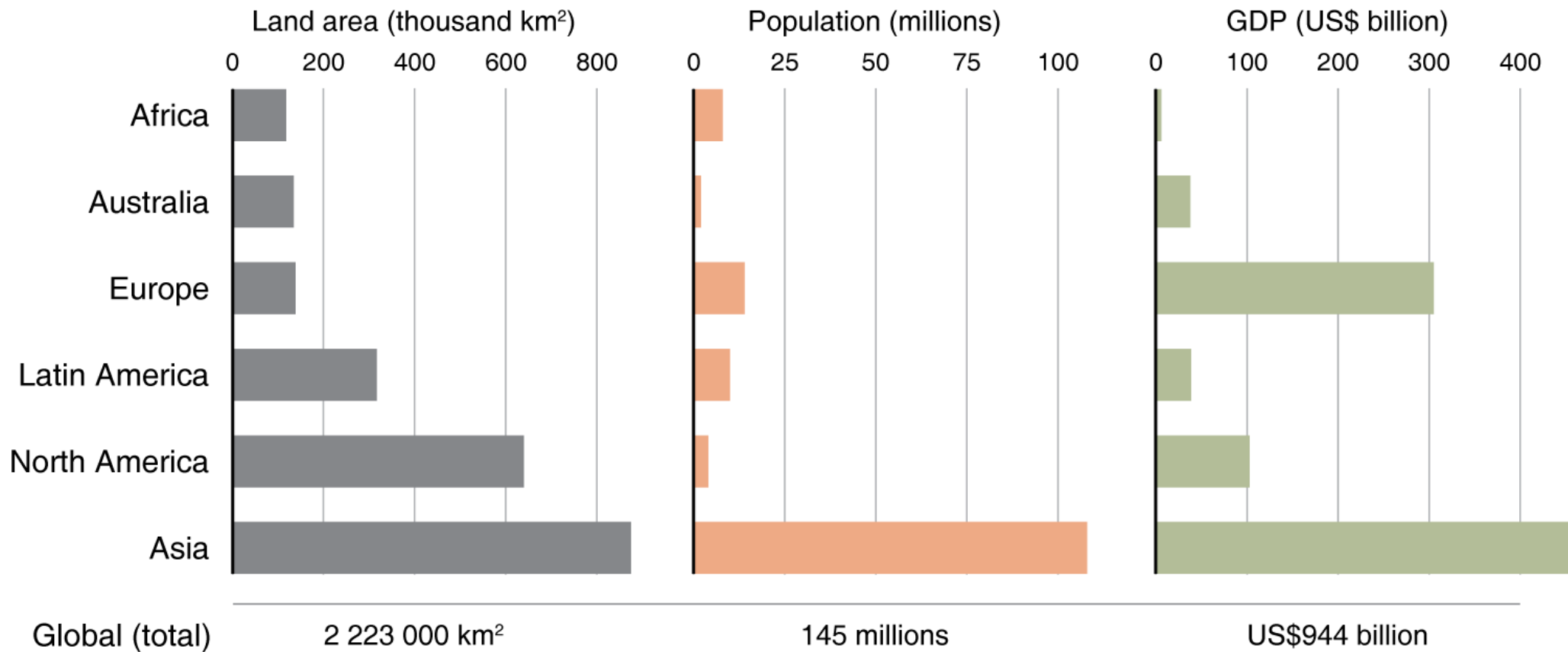


Diagram 9: Vulnerability to a 1m sea level rise (by continent)

Source: <http://maps.grida.no/go/collection/global-outlook-for-ice-and-snow>