

# Sea Level Change: Maps and Diagrams

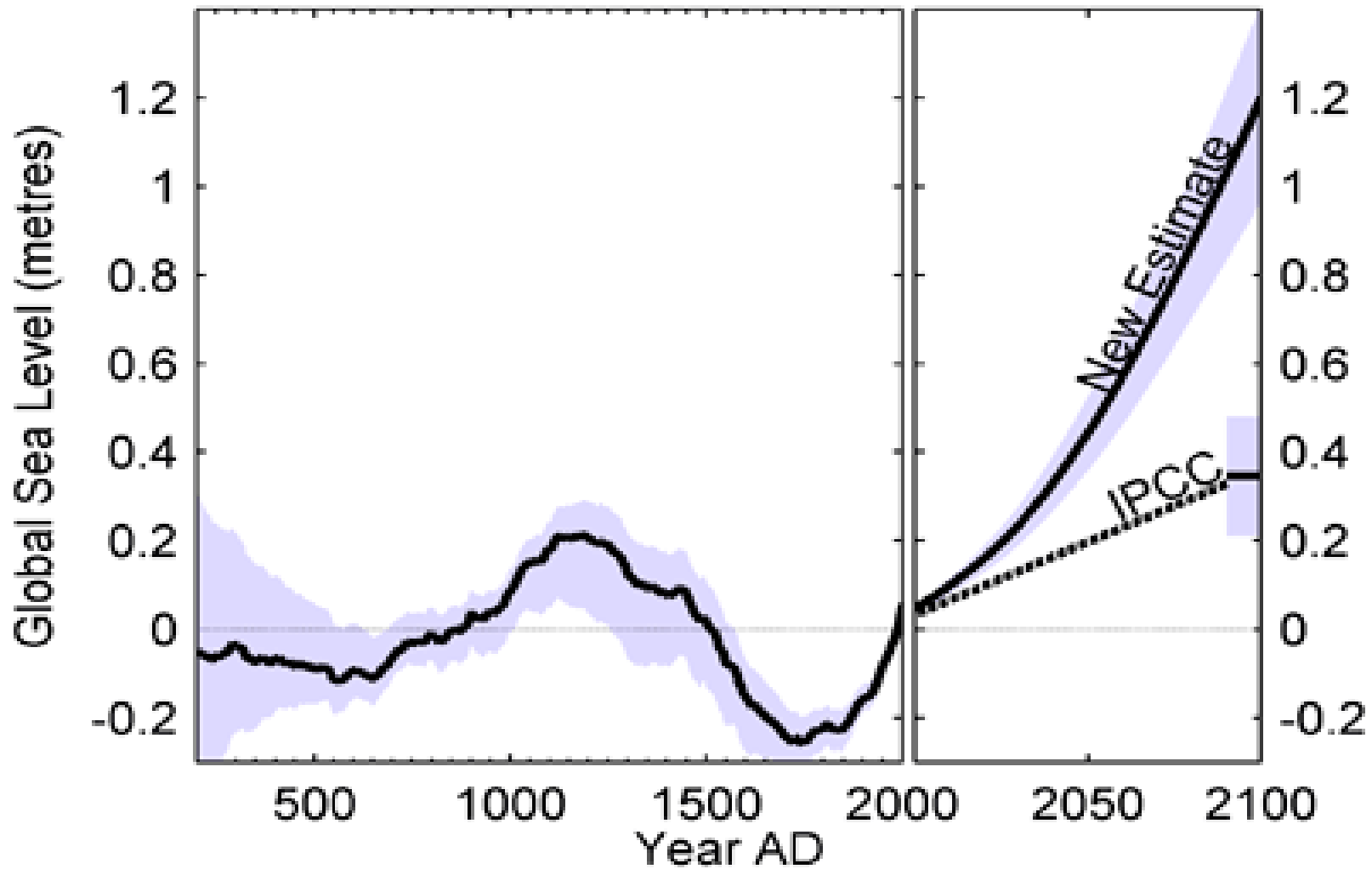


Diagram 1: Sea level change graph for next 100 years

Source: Proudman Oceanographic Laboratory, 2008

# Regions Vulnerable to Sea Level Rise

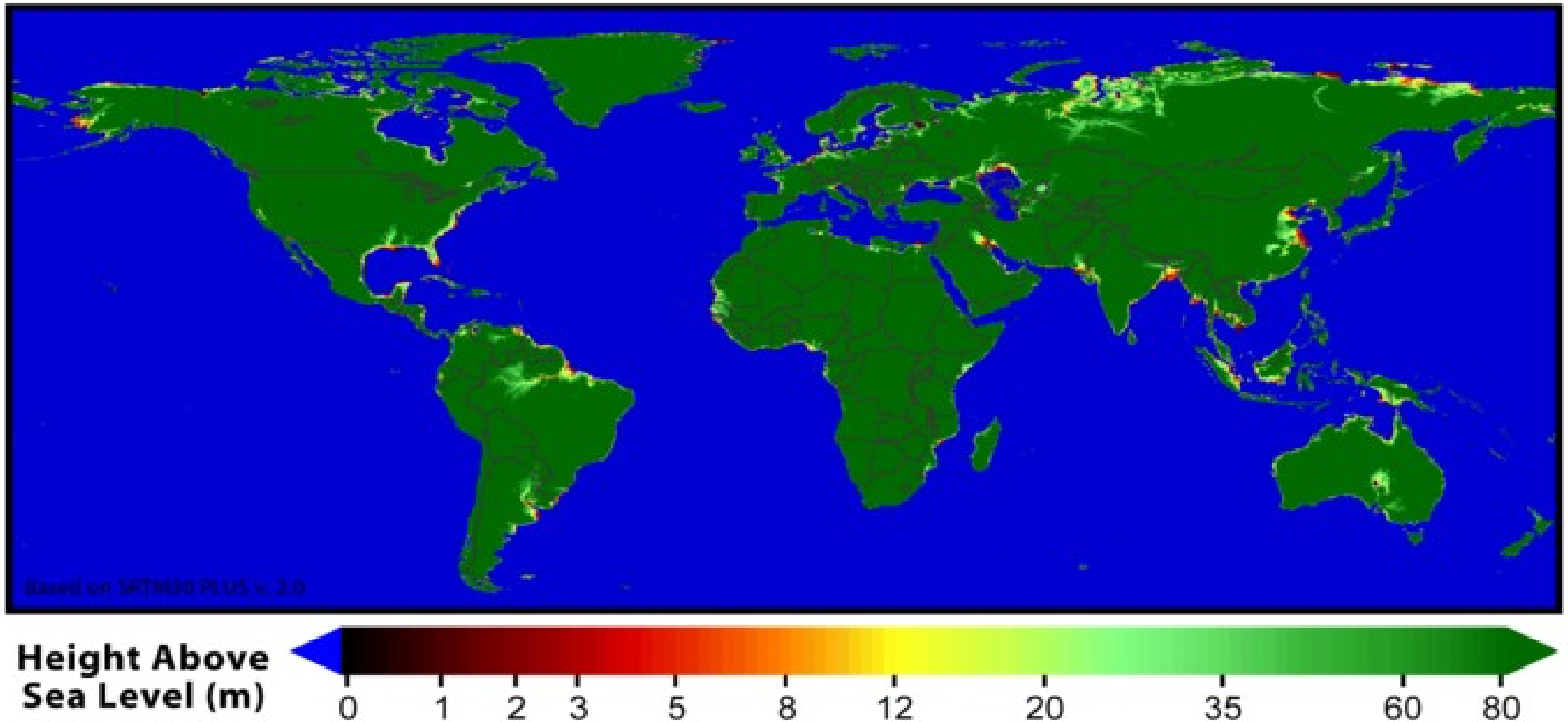


Diagram 2: Regions vulnerable to sea level rise

Source: [http://www.globalwarmingart.com/wiki/File:Global\\_Sea\\_Level\\_Rise\\_Risks\\_png](http://www.globalwarmingart.com/wiki/File:Global_Sea_Level_Rise_Risks_png)

# Sea Level Risks - Bangladesh

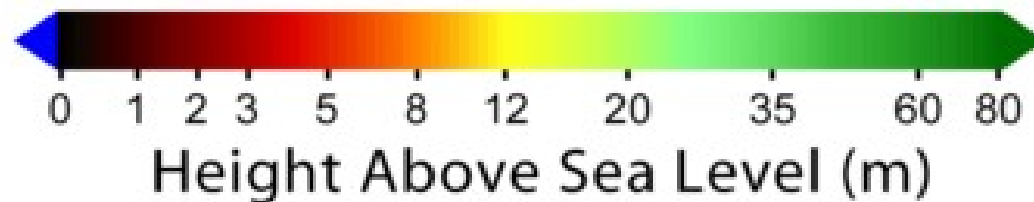
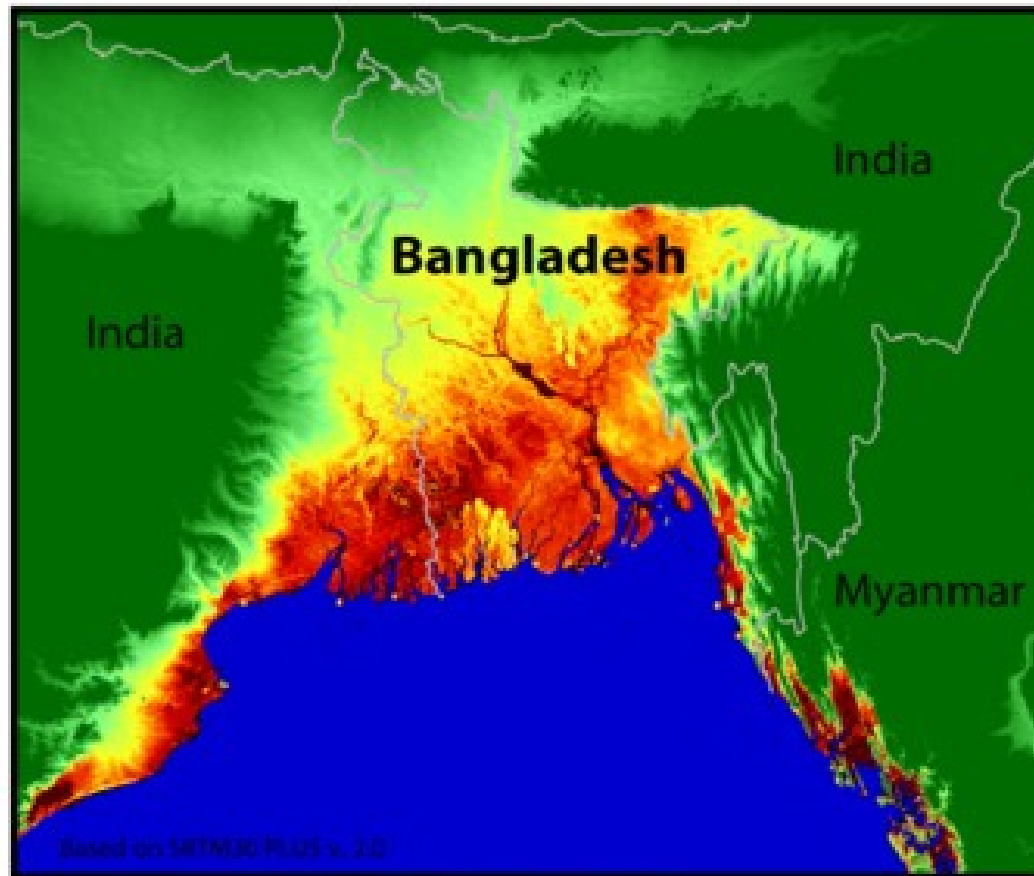


Diagram 3: Sea level rise impacts in Bangladesh

Source: [http://www.globalwarmingart.com/wiki/File:Global\\_Sea\\_Level\\_Rise\\_Risks\\_png](http://www.globalwarmingart.com/wiki/File:Global_Sea_Level_Rise_Risks_png)

# Sea Level Risks - North Sea

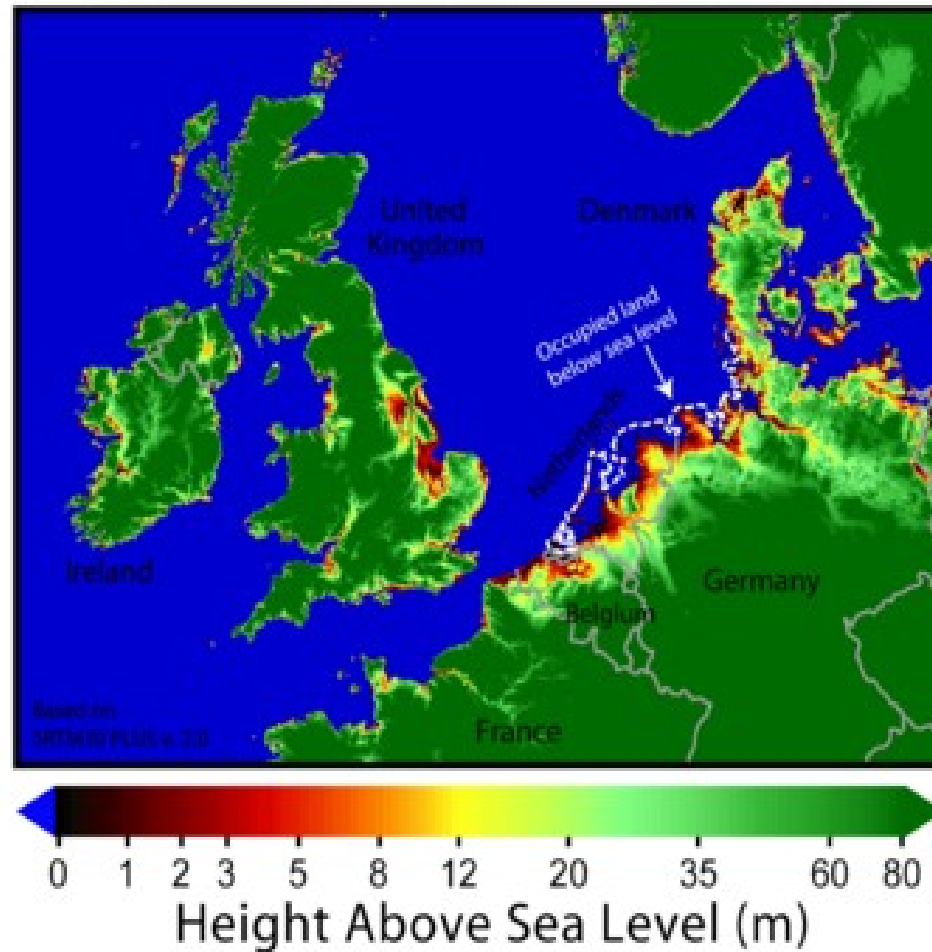


Diagram 4: Sea level rise impacts in Northern Europe

Source: [http://www.globalwarmingart.com/wiki/File:Global\\_Sea\\_Level\\_Rise\\_Risks\\_png](http://www.globalwarmingart.com/wiki/File:Global_Sea_Level_Rise_Risks_png)

# Sea Level Risks - Louisiana

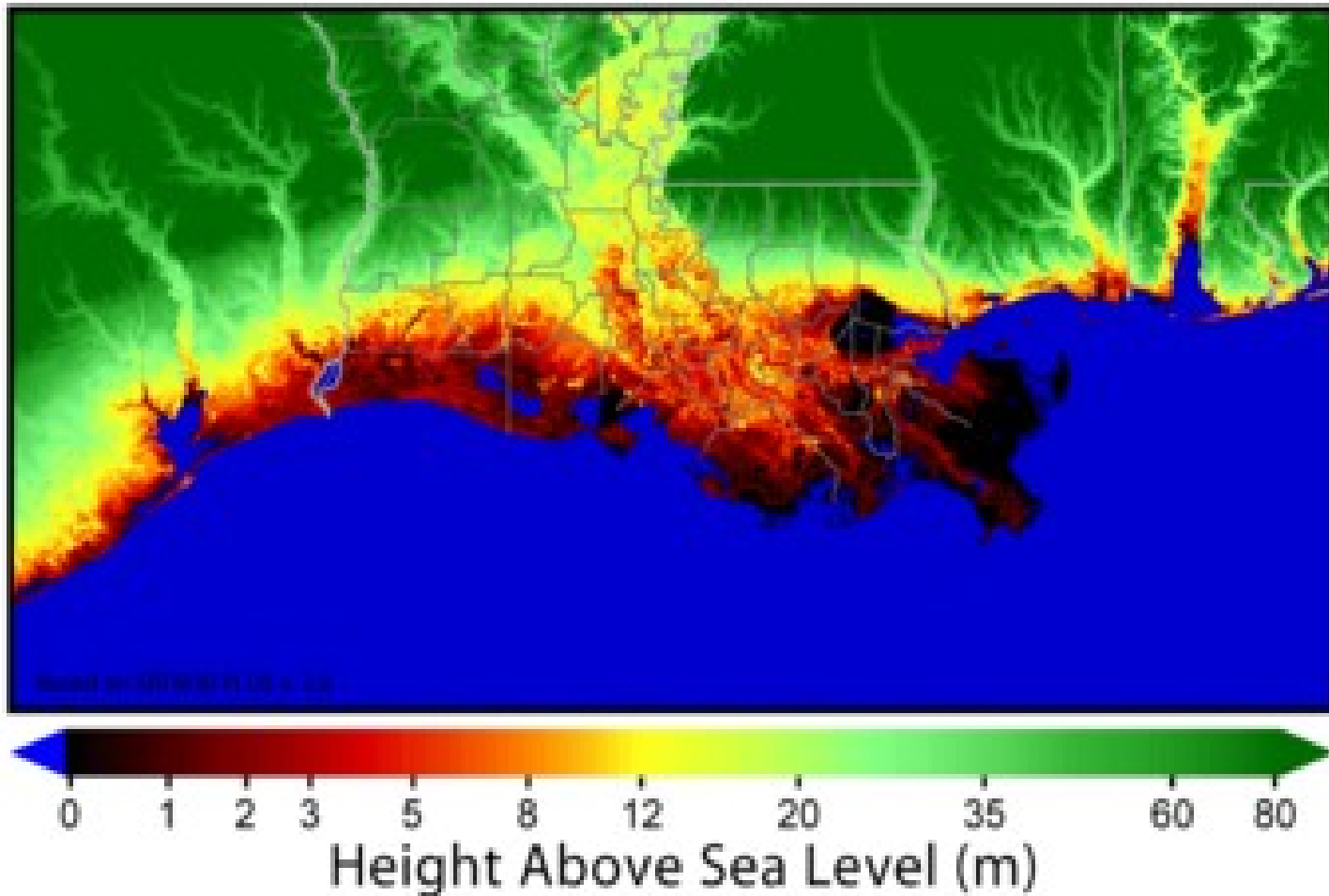


Diagram 5: Sea level rise impacts in Louisiana

Source: [http://www.globalwarmingart.com/wiki/File:Global\\_Sea\\_Level\\_Rise\\_Risks\\_png](http://www.globalwarmingart.com/wiki/File:Global_Sea_Level_Rise_Risks_png)

# Sea Level Risks - US East Coast

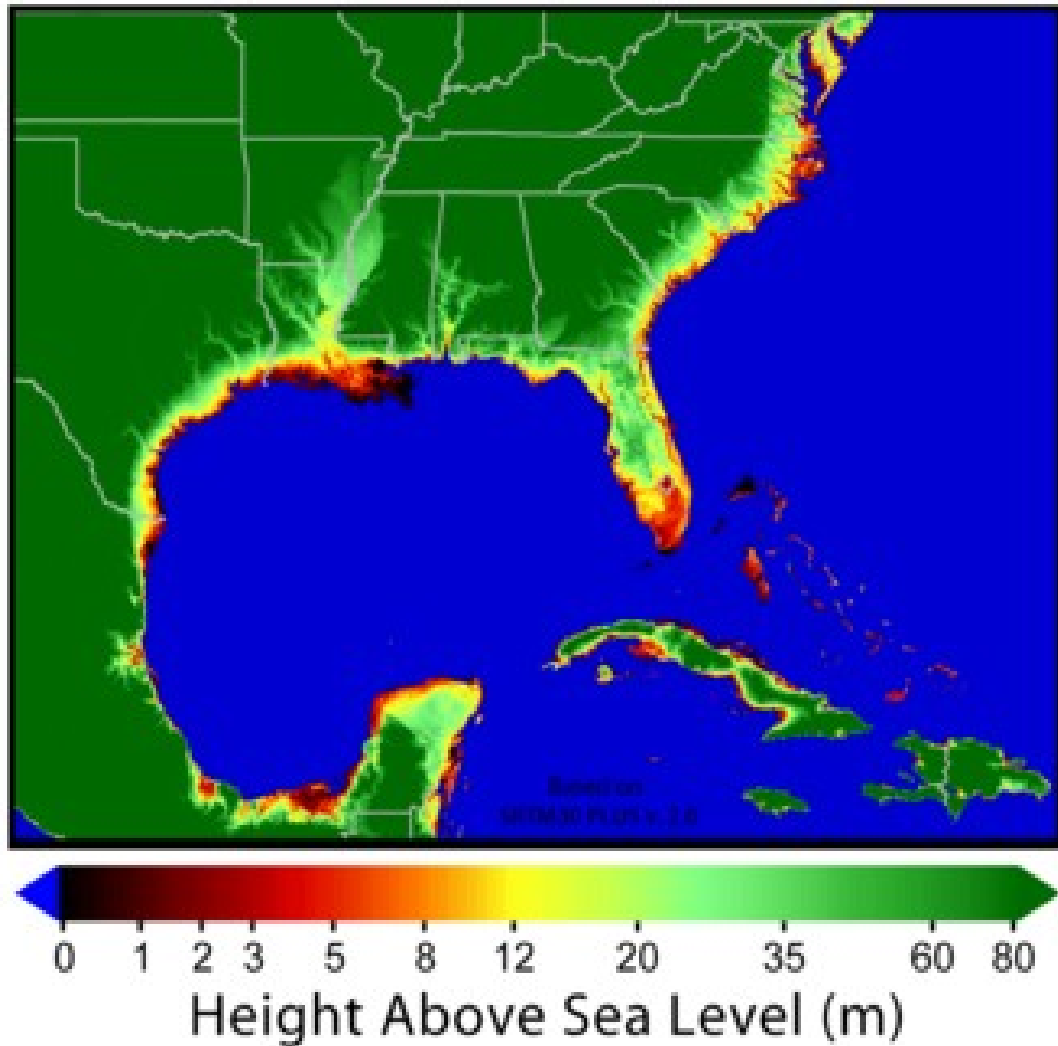
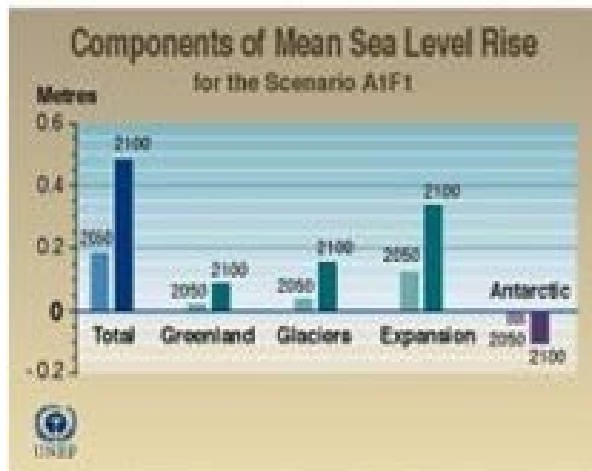
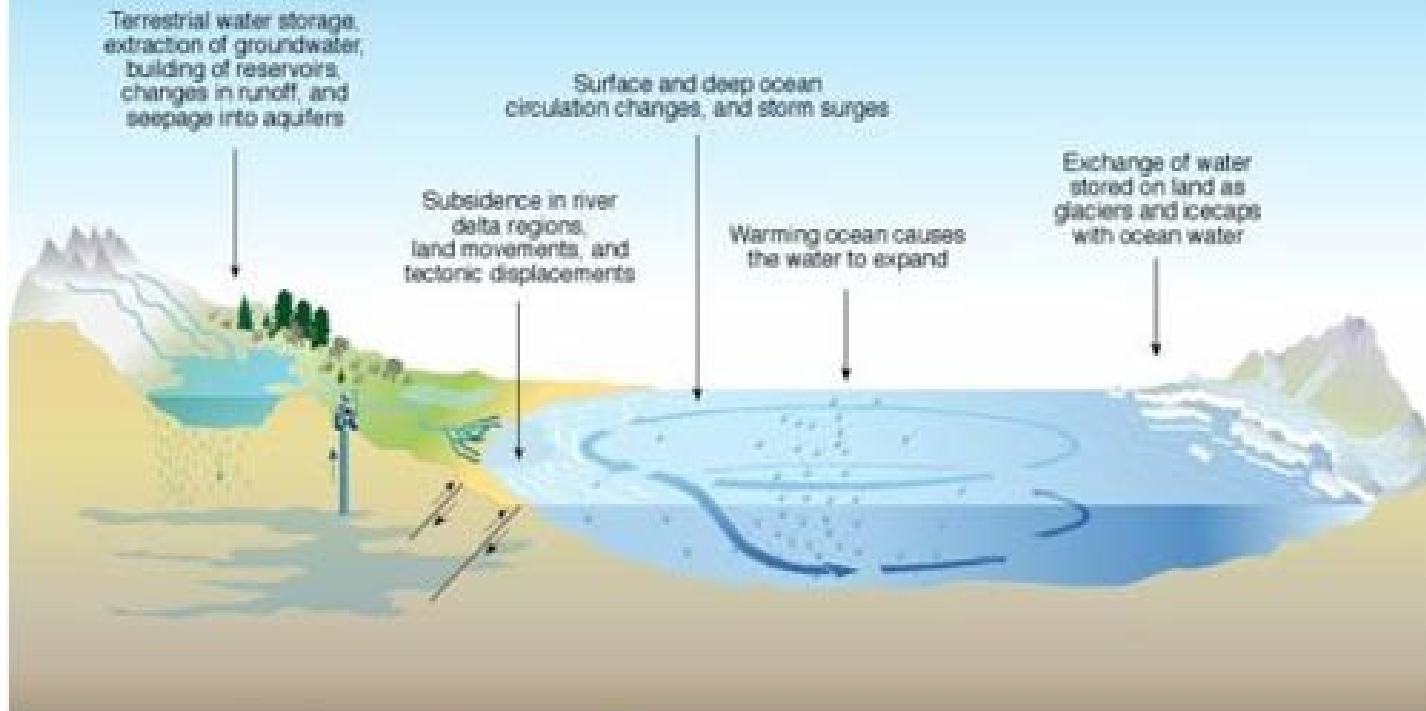


Diagram 7: Sea level rise impacts in Florida

## 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 II  
CONTRIBUTION TO THE  
FOURTH ASSESSMENT REPORT

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

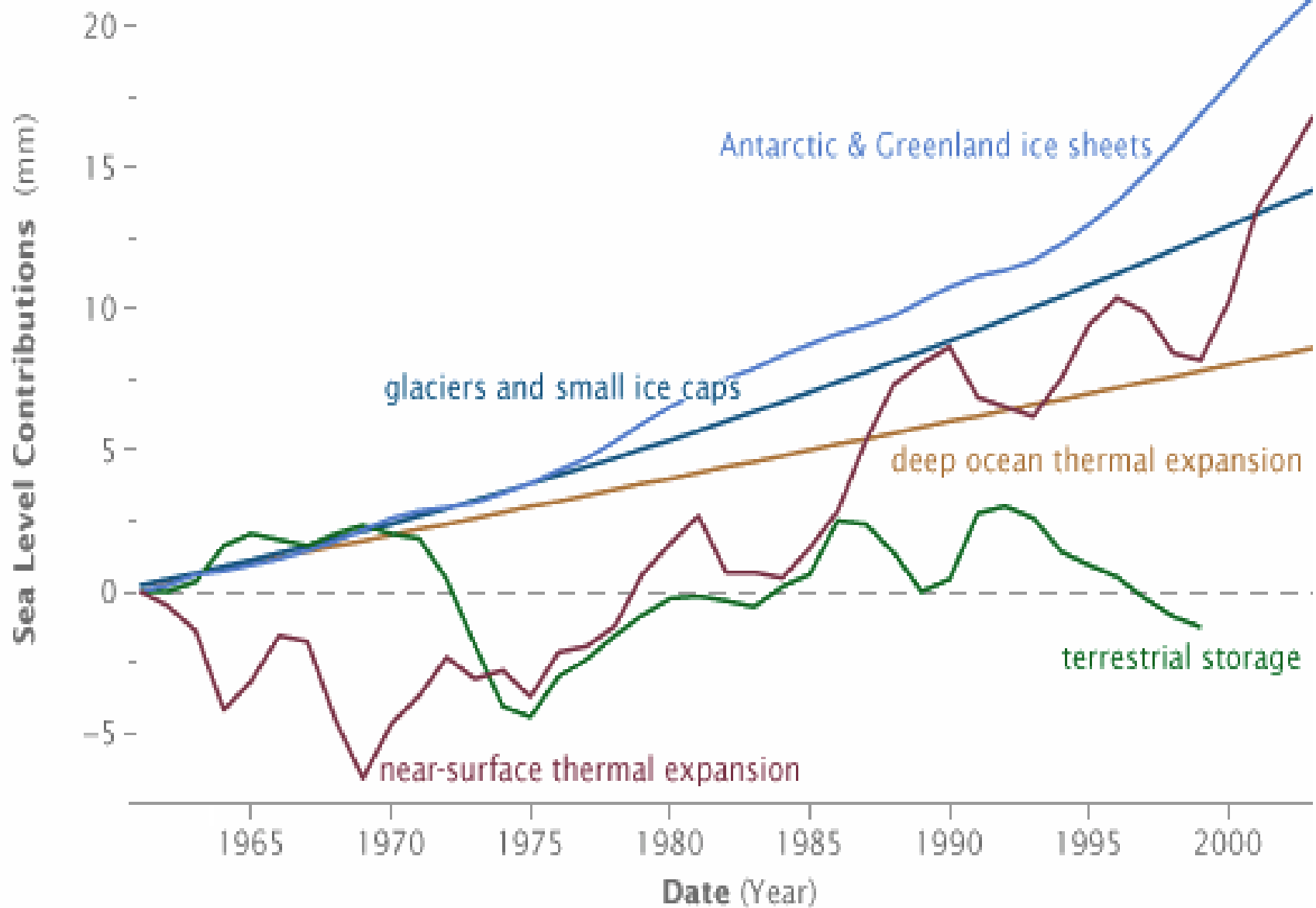


Diagram 8: Contributing factors to sea level rise over last 50 years

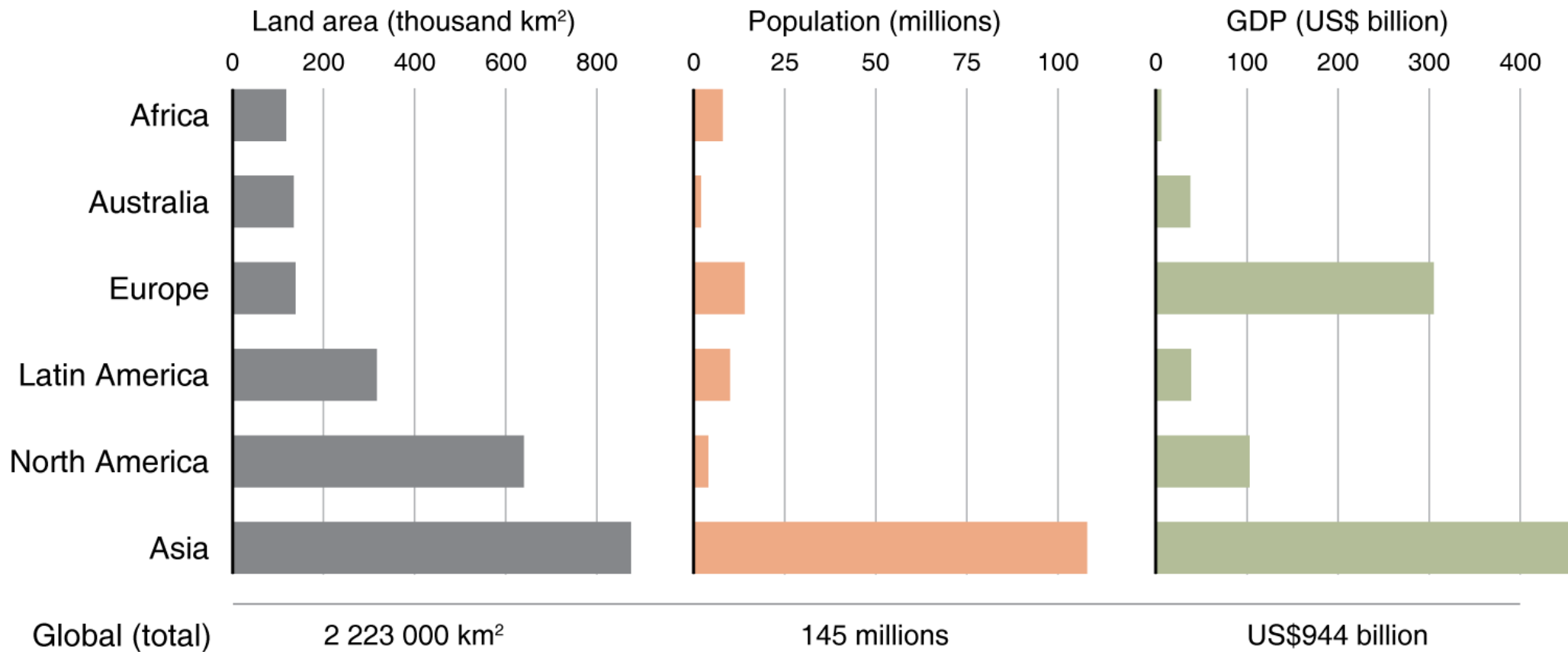


Diagram 9: Vulnerability to a 1m sea level rise (by continent)

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