Sea level rise - How much and how fast will sea level rise over the coming centuries?

The image contains text and descriptions related to climate change and sea level rise. It includes figures and tables with data and analysis. The text discusses models, projections, and the impact of climate change on sea level. The figures illustrate sea level changes over time and spatial distribution.

Selected references

Full reference list online under: http://www.palaeo-journal.com/vol/26_1/pal2012_10df

Steffen K et al. (2010) In: Church et al. (Eds) Sea level rise - 24(2): 94-111

Figure 1: Snapshots of modeled ice distribution, essentially as in Pollard and DeConto 2009, showing collapse of WAIS marine ice leading into Marine Isotope Stage 31, a dramatic collapse. Two other questions arise – at what rate will it reduce and how will the ice-volume be redistributed in the ocean?

Figure 2: Tenth-century sea level curve in black and associated uncertainty in light grey) based on tide gauge data and additional information from: Church and White 2011, Attard et al. 2013, and 2013-2015. Data from ARCTIC, www.palaeo-journal.com/vol/26_1/pal2012_10df

Figure 3: Sea level rise over the past 2000 years. The red line is the observed sea level rise, the blue line is the modeled sea level rise, and the green line is the estimated sea level rise. The error bars represent the associated uncertainty.