



Implications of our uncertainties on LIG sea level

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The Last Interglacial IS NOT an analogue for future sea-level change but IT IS a case-study that can be used to better describe the range of sea-level behaviour during past warm periods. In the absence of a more exact understanding of the sea-level response to climate change, past behaviour during warm periods represents plausible future behaviour. What are the similarities to the Holocene? Can we generalise our contemporary paradigms of ice sheet behaviour to different climate states? We will consider these questions by looking at the most recent data and modelling studies available for the Last Interglacial and examine the implications for sea-level change over the coming century. Most importantly we ask the question - How do our uncertainties on LIG sea-level relate to uncertainty in understanding plausible future change?