



## Making sense of past climate changes

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This presentation will summarize the paleoclimate perspective in IPCC AR5, which combines information from natural archives, paleoclimate simulations using both the CMIP5 framework and other simulations, model-data comparisons for model evaluation at hemispheric to regional scales, detection - attribution, and process studies throughout timescales such as polar amplification, carbon cycle or sea level change. It will highlight new findings and coordinated efforts which, within the scientific community, have allowed new information to emerge on time for AR5. It will also stress the aspects which could not be covered or assessed as well as suggestions for further inclusion of paleoclimate information to inform projections.