

# PMIP WG - Past2Future: insights from a constantly varying past

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## Group description

The P2F challenge: to use paleoclimate information to improve predictions of climate change

Paleoclimate modellers have for many years argued the importance of paleoclimate simulations as a means of increasing understanding of the climate system. However, it is only since the last iteration of the climate model inter-comparison project (CMIP5) that paleoclimate runs have been officially included. This means that there exists a coherent ensemble of climate models run for past climates, recent historical, control and future scenarios.

This working group seeks to help climate scientists make the best use of this unique situation, so that they may better use past climate information from models and data to learn about future climates.

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This working group was created by merging two PMIP3 WG:



- [Past to Future](#)
- [PaleoVAR \(Variability and Mean State\)](#)

The aim of the merger is to encourage researchers to look across multiple past and future climates in the PMIP ensemble. This is something that is especially useful for modes of variability, where the behaviour in future projections is often poorly constrained.

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