

# Focus of the P2FVar Working group

## The challenge

To make full use of the available paleoclimate information, with a focus on improving future predictions

## Strategy - methodology

1. Identify and document quantitative relationships across multiple time periods and check consistency with available observations.
2. Identify whether underlying mechanisms are the same between the time periods (be they past or future).
3. Identify and implement suitable methodologies to use the information to explore quantitative constraints on future climate change.

*Where possible code for methodologies should be fully published to enable participation of others*

## Targets

1. Understanding changes across multiple PMIP intervals - especially in climate variability
2. Exploring the potential implications of these changes for how we think about (future) climate change
3. Estimating future climate by using information quantitatively

## Openness and Integration

*This working group exists as an integrative activity across the whole of PMIP. The challenge will only be achieved if many people work together. It relies on extending into the analysis space the underlying rationale of PMIP: that more can be learned by coordinating our actions. Not only does it require output from multiple models for multiple time periods, it also relies on:*

- Openness about methodologies and derived diagnostics
- Data from all intervals needs to be publicly available.
- Input from process-based experts to advise on quantitative methodologies

From:

<https://pmip4.lsce.ipsl.fr/> - **PMIP4**

Permanent link:

[https://pmip4.lsce.ipsl.fr/doku.php/wg:ptof:current\\_aims\\_and\\_scope](https://pmip4.lsce.ipsl.fr/doku.php/wg:ptof:current_aims_and_scope)

Last update: **2018/09/19 17:15**

