

# Last Glacial Maximum Sensitivity Subgroup

The Last Glacial Maximum Sensitivity Subgroup was started recently to bring together those who are interested in the experiments which are aimed at analysing the LGM forcings separately. Members may have already have performed runs, be planning to perform runs, or be interested in analysing the runs from different groups.

The [basic Last Glacial Maximum \(LGM\) protocol in PMIP/CMIP](#) aims to realistically simulate the LGM. This involves changes compared to the present day in the imposed greenhouse gases, ice sheets, and orbital solar forcing. Considerable mismatch between models and data remains. This subgroup aims to consider the forcings separately in order to diagnose the effect of the different feedbacks, and to consider nonlinearities in the response to forcing that are relevant to expected future changes in the climate.

## People

Members may have already have performed runs, be planning to perform runs, or be interested in analysing the runs from different groups.

## Runs (CMIP3/5 models)

Includes existing available output, runs underway, and runs people have planned.

## Discussion on calculating model forcing

## Proposals for new sensitivity tests

**General Plans** Presently the main aim is to find what runs people have done and and interest in performing. We are also starting to consider ways in which these kinds of experiments may be made more useful or interesting in the future.

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