PMIP4-CMIP6 ice-sheet data

You will find on this page some of the boundary condition data that you have to use for

- Last Glacial Maximum
- Last Deglaciation
- Penultimate Deglaciation

Please make sure to read the HOWTO section in order to use the data correctly!

Get in touch with the following people if you have questions:

Masa Kageyama	LGM
Ruza Ivanovic	Last Deglaciation
Didier Roche	LGM, Last Deglaciation
Laurie Menviel	Penultimate Deglaciation
Emilie Capron	Penultimate Deglaciation
Jean-Yves Peterschmitt	Technical questions

References

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- Ivanovic, R. F.; Gregoire, L. J.; Kageyama, M.; Roche, D. M.; Valdes, P. J.; Burke, A.; Drummond, R.; Peltier, W. R. and Tarasov, L.: **Transient climate simulations of the deglaciation 21–9 thousand years before present, version 1; PMIP4 Core experiment design and boundary conditions**, Geosci. Model Dev., 9, 2563–2587, doi:10.5194/gmd-9-2563-2016, 2016.
- Menviel, L. et al, **The penultimate deglaciation: protocol for PMIP4 transient numerical simulations between 140 and 127 ka, version 1.0**, GMD, 2019, https://dx.doi.org/available_soon

How to use the data

- Choose the type of boundary condition you want to use. Look at the available data below, and at the ice-sheet gallery page.
  - Do not forget to document what you have chosen!
- Read the appropriate paper(s) in the References above

- After processing the boundary condition data, send a copy the BC data *as seen by your model* to Jean-Yves Peterschmitt: netCDF file and plot

Ice-sheet data

The input data for the boundary conditions is available in **netCDF files** provided by Dick Peltier and Lev Tarasov. You will find below some technical details about the data, and the related publications to cite

Data history

The data files may change a bit (rename or standardize the data, etc...) and you will find the change list below

Data

- Peltier ICE-6G-C for PMIP4
- Tarasov GLAC-1D for PMIP4

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