

Supplementary information

Pliocene Ice Sheet Modelling Intercomparison Project (PLISMIP) - experimental design

Aisling M. Dolan¹, Sebastian J. Koenig^{2†}, Daniel J. Hill³, Alan M. Haywood¹, Robert M. DeConto²

¹ School of Earth and Environment, University of Leeds, Leeds, LS2 9JT, UK

² Department of Geosciences, University of Massachusetts, Amherst, MA 01003, USA

³ British Geological Survey, Keyworth, Nottingham, NG12 5GG, UK

Output Requirements

Participants are asked to provide spatial and temporal information from their ice sheet model as listed in Table S1. These data requirements represent the minimum contribution from each group. Participants are able to submit further fields of interest from their models to be considered in the analysis.

Table S1. Specification of output fields and data formats to be submitted as part of the Pliocene Ice Sheet Modelling Intercomparison Project.

Name	Unit	Grid (20km resolution)		Time-step	
		Greenland	Antarctica	Greenland	Antarctica
Time	yrs	76 × 141	334 × 334	100 yrs	1000 yrs
Bed Elevation	m	76 × 141	334 × 334	100 yrs	1000 yrs
Grounded Ice Sheet Thickness	m	76 × 141	334 × 334	100 yrs	1000 yrs
Grounded Ice Sheet Volume	m ³	76 × 141	334 × 334	100 yrs	1000 yrs
Grounded Ice Sheet Area	m ²	76 × 141	334 × 334	100 yrs	1000 yrs
Surface Mass Balance	m yr ⁻¹ water equivalent	76 × 141	334 × 334	100 yrs	1000 yrs
Velocity	m yr ⁻¹	76 × 141	334 × 334	100 yrs	1000 yrs

Format should be NetCDF (preferred) or ASCII files.

Submission online at: www.leeds.ac.uk/redmine/public/projects/plismip - please contact A. M. Dolan for access to this website.