

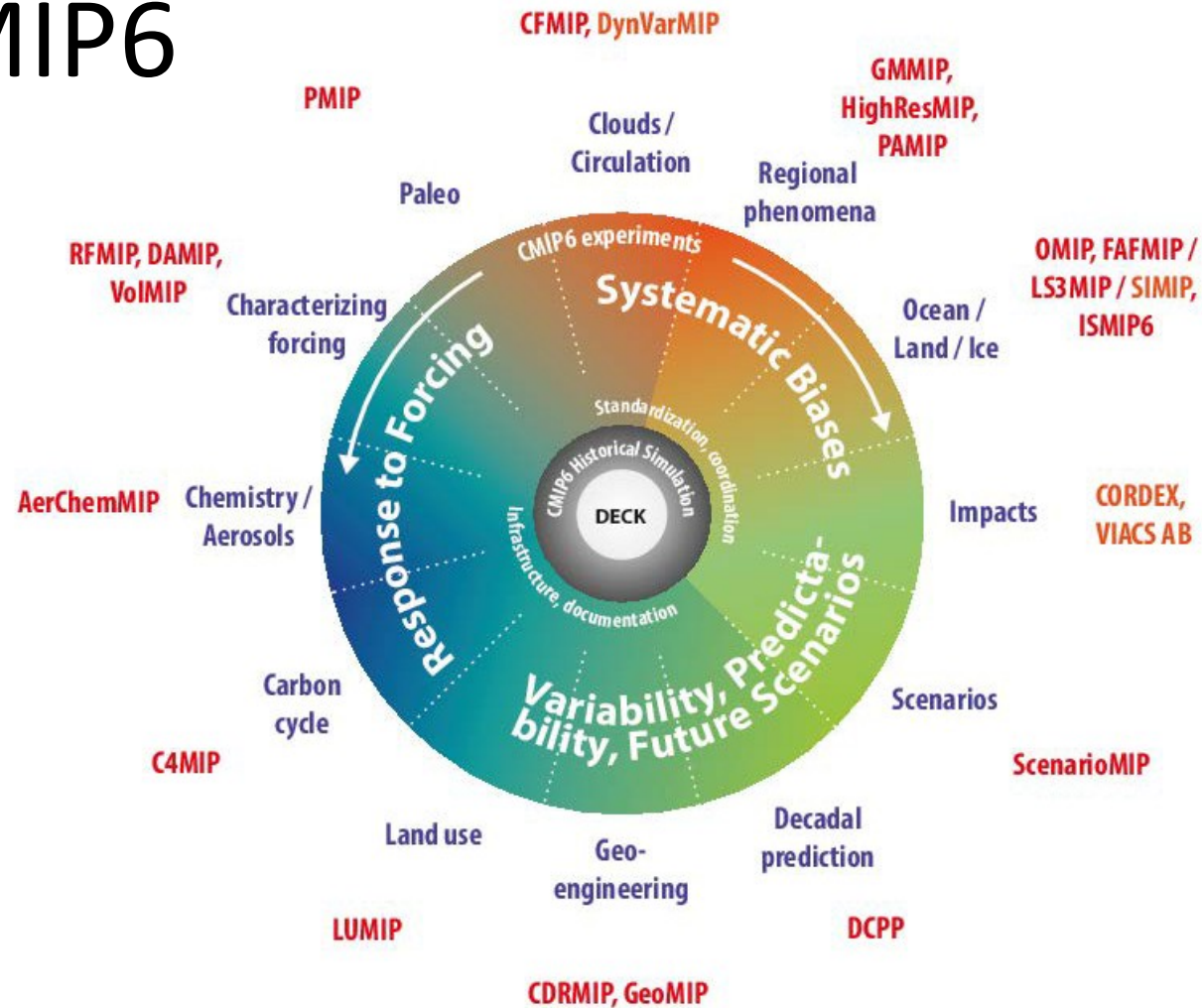
CMIP6: Past to Future

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CMIP6



23 CMIP6-Endorsed MIPs

- A sufficient number of modeling centers (~8) committed to performing MIP's Tier 1 experiments
- 42 institutions/consortia have registered (CMIP5: 31 inst.)
- 109 models are registered (CMIP5: 59 models)
- 287 experiments defined; 102 tier 1 (CMIP5: 33; 14 tier 1 expts.)
- 10 – 50 PB of model output expected (CMIP5: ~2 PB)



PMIP4

Paleoclimate Modeling Intercomparison Project

PMIP Entry card	PMIP Core	PMIP MIPs
Systematic benchmarking	Reference simulations	Key periods and analyses
PMIP data distribution	PMIP data distribution	PMIP data distribution
LGM or MH	LGM and MH	Benchmarking
	Past1000	Past2K
	LIG 128k	Quaternary Interglacials
	Pliocene warm 3,2 Ma	PlioMIP
	Deglaciation	Deglaciation
	Eocene	Pre-Pliocene climates
		Past to Future
		Ice sheet uncertainties
		PMIP-COMPARE ocean
		Isotope modelling
		Data assimilation

PMIP/CMIP6 experiments

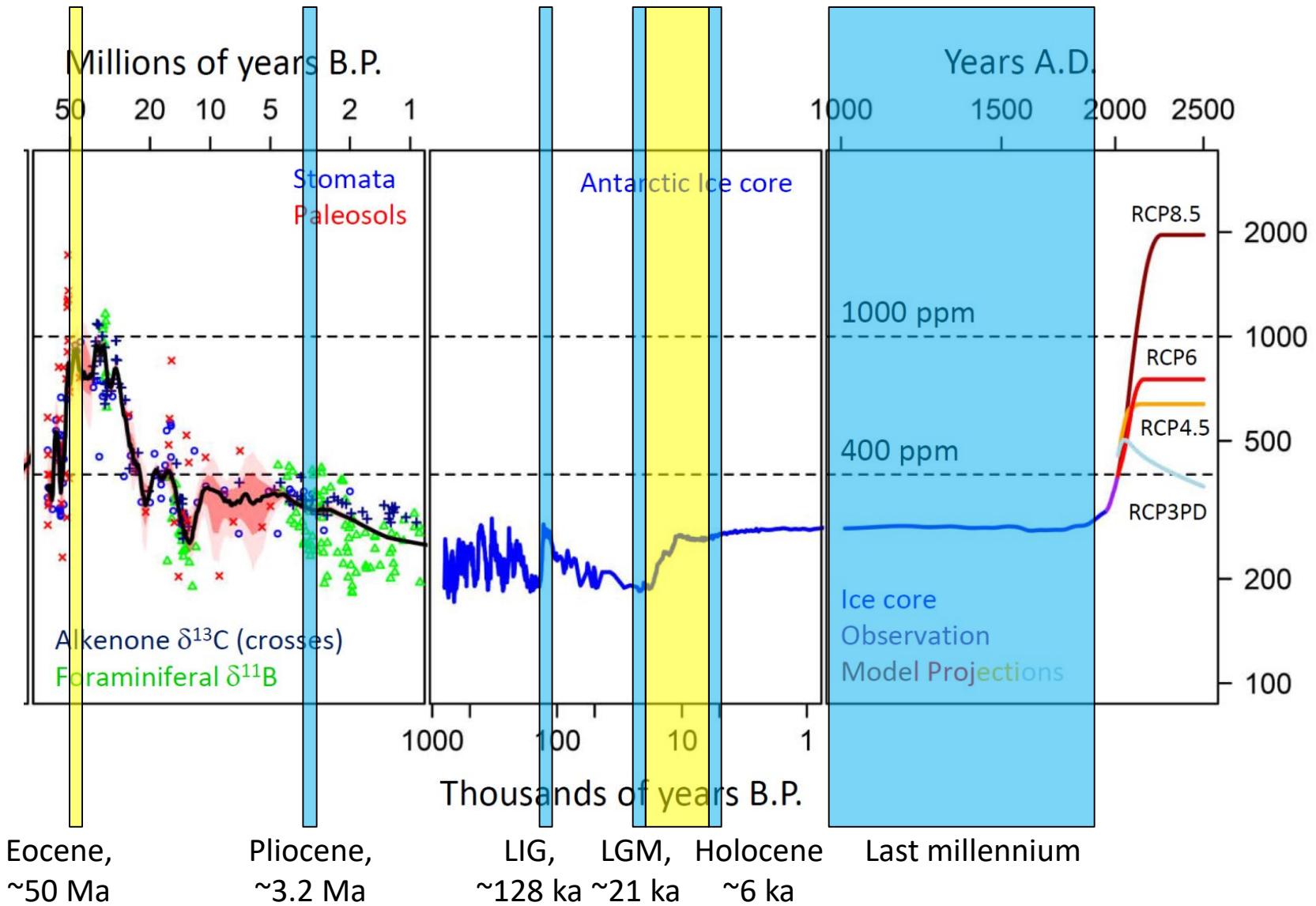
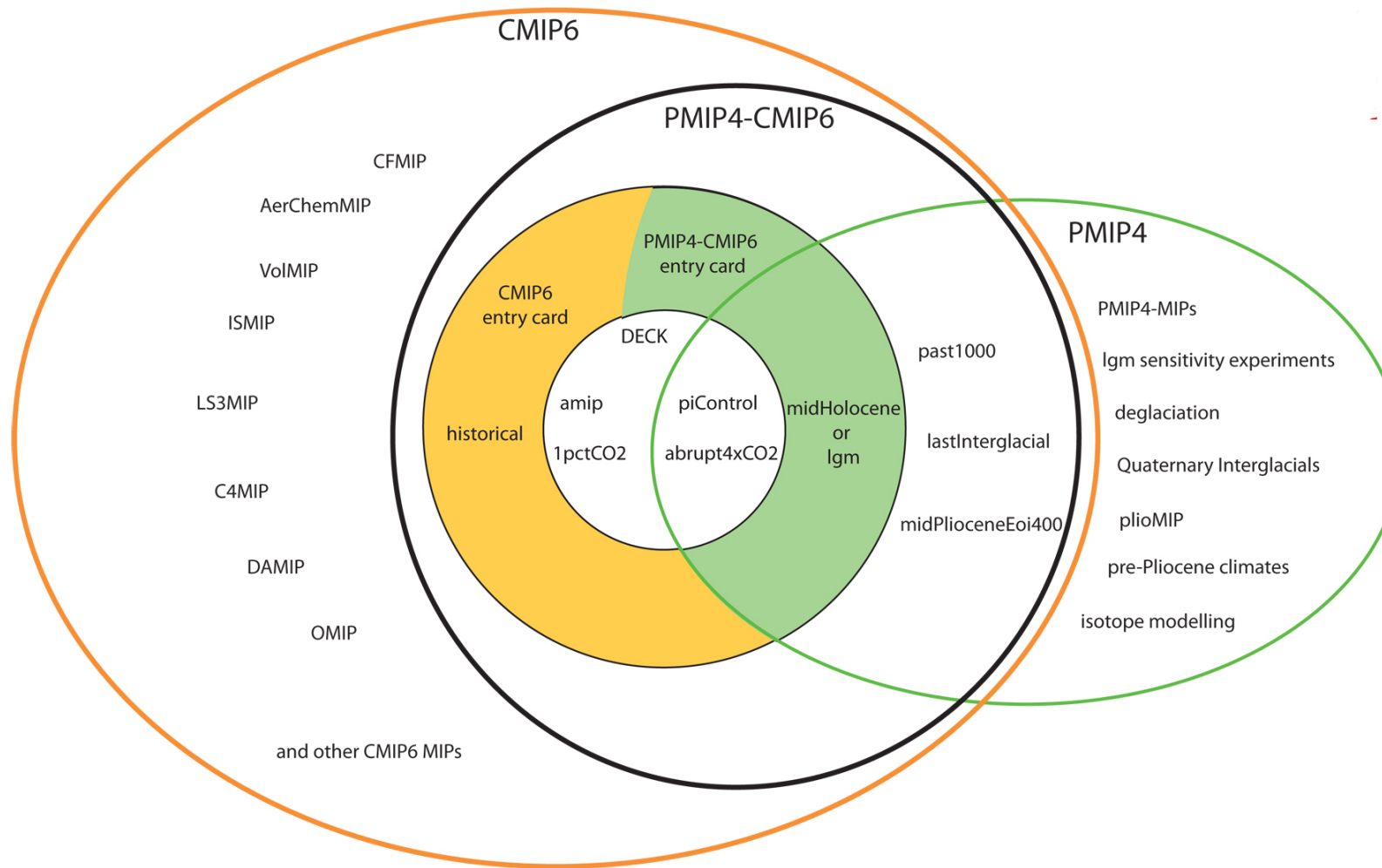


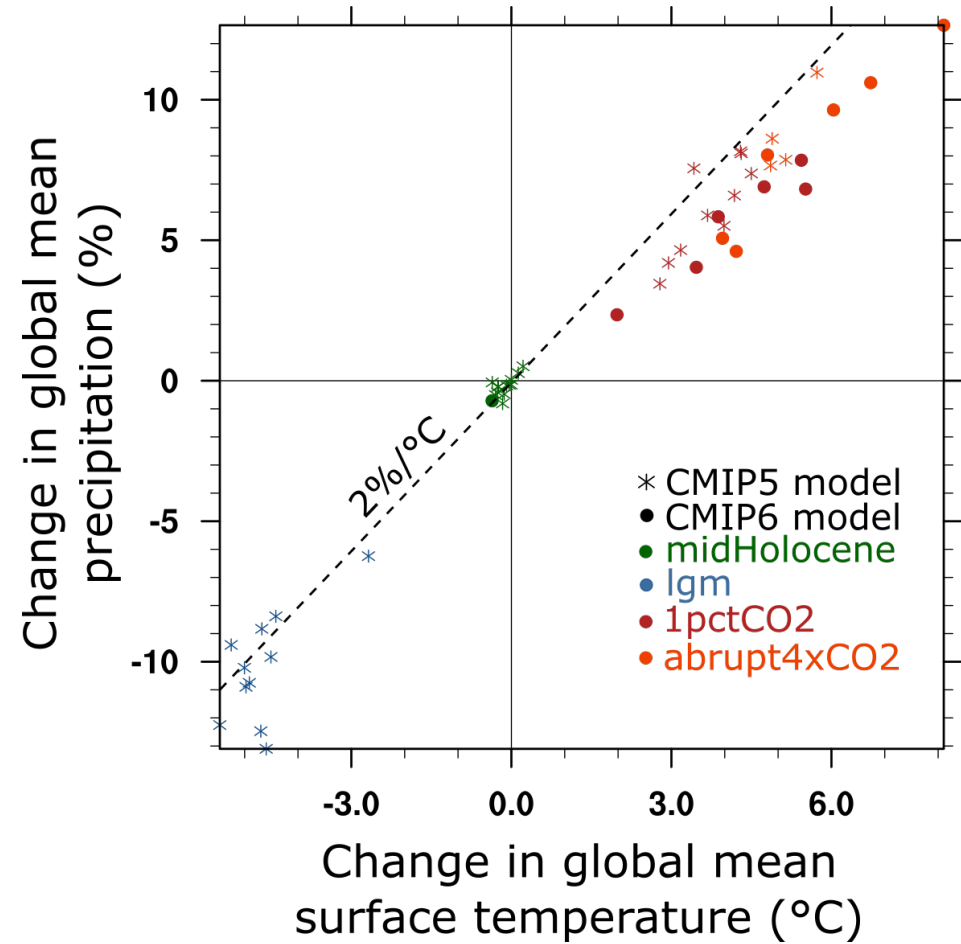
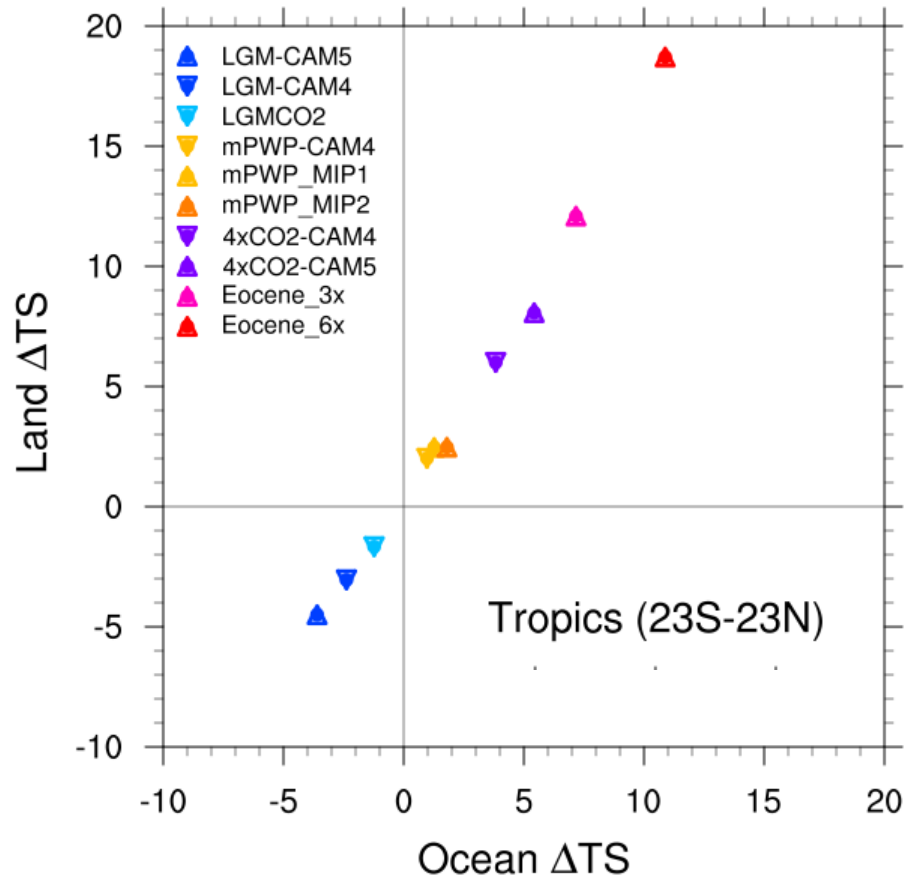
Figure courtesy of Dan Lunt



Connecting Past (PMIP4) to Future (CMIP6)



Past to Future



Figures courtesy of Esther Brady and Chris Brierley

