

Three ways to “observe” “climate sensitivity”

Global monitoring

Targeted to processes (clouds, most likely)

Observe large transients (e.g. volcanos)

Testing emergent constraints

Value is consistency across time scales, or...

Evidence that extrapolating anomalies is failing

against paleo?

against reanalysis?

For LTM no obvious alternative to field measurements

LGM dust distributions need more attention

We love field programs because they focus the community
But then we've had rather a lot of them and more are coming

MPI is planning an experiment around Barbados
Looking at MSE budgets, guided by CRM analyses

A large-scale experiment would have other benefits

Can CERES profiles be reproduced on smaller scales?
Sampling makes this hard

Any role for analysis increments?

Can paleo observations be obtained from any old island?