Let’s Flatten Some Ice!

- Continent warms (duh), rest of planet *cools*

We keep the surface albedo of AA the same

Singh et al 2016
Temperatures and Winds

- Warms a lot *aloft*, polar vortex weakens substantially

Singh et al 2016
Ocean Circ is Impt for Rain

- ITCZ ends up not shifting much b/c of a change in the ocean circulation

Singh et al 2016
Detection of Ice Sheet Collapses?

- Can we use ice cores from **East Antarctica** to figure out when the West Antarctica collapsed?

Temp change from collapse of West Antarctic Ice Sheet in a coupled climate model

Stieg, Kat Huybers et al 2015
One more thing...

- A celebration of outreach
  - Core goal of PCC
  - Capstone projects by grad students – do it!

- Discovery of ozone hole (by Jon Shanklin) occurred because of an outreach event!
  - Did calculations for an open house at British Antarctic Survey
  - wanted to show visitors that ozone loss was happening slowly so processed some old data...
Climate Gaming!

- EarthGames makes climate change video games
  - Let’s making learning about the planet fun!
  - earthgames.org

← EcoTrivia: Save the Animals! and Climate Quest are available for download now!
Climate change videos

- UW Atmos Outreach makes YouTube videos
  - Watch at https://www.youtube.com/user/UWAtmosOutreach