CAM Development Timelines

The path towards CESM2 and CMIP6 (as of Jun 2014)

- **2014 (CESM1.3)**
  - CAM5+MG2
  - CAM5 0.25 deg tuning
  - Vertical resolution testing (L60)?
  - Prescribed MAM testing
  - Efficiency improvements for 2deg CAM5
  - Breck

- **2015 (CESM1.4)**
  - UNICON
  - CLUBB+MG2
  - Test TMS and replace scheme with EC scheme + GWD
  - CSLAM (tracers)
  - Other physics changes
  - CAM5 0.25 deg tuning
  - Vertical resolution testing (L60)?
  - With CAM5 physics

- **2016 (CESM2)**
  - CAM6 model in CESM2 for CMIP6
  - Control simulations with CAM6 physics
  - CAM5.5 0.25 deg tuning
  - Vertical resolution testing
  - With new physics options
  - CAM5.5 0.25 deg tuning
  - Vertical resolution testing
  - RRTM radiation update
  - CAM5.5 0.25 deg tuning
  - Vertical resolution testing
  - RRTM radiation update

Physics decisions for CAM5.5

Physics decisions for CAM6

Physics decisions for low-res CAM6

Decision for vertical resolution increase (w/ WACCM)

Physics decisions for CAM6

CAM6 low resolution model

CAM6 model

CAM6