Development priorities and protocol

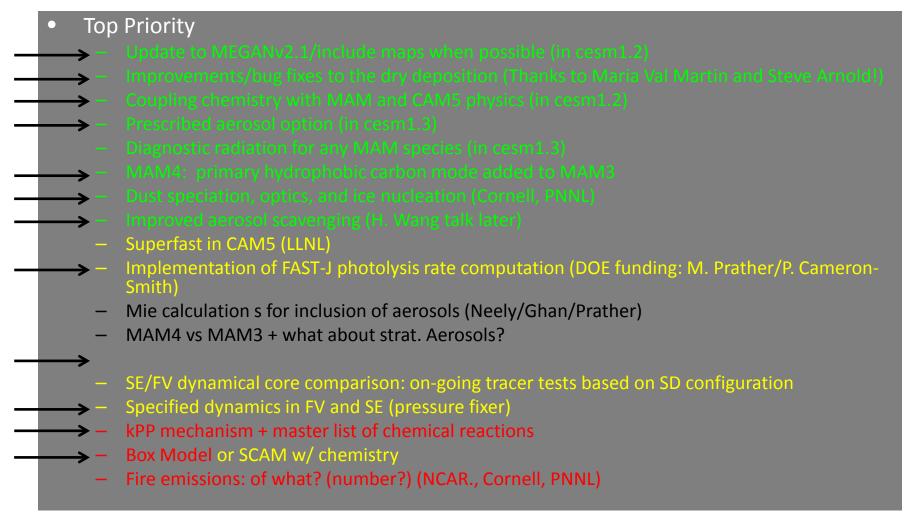
"Protocol for inclusion in CESM trunk" document

Available on the web:

http://www2.cesm.ucar.edu/working-groups/ccwg

- Main points are
 - Improvement of specific biases or added process representation
 - Approval by WG co-chairs and members before being included in the trunk and released

ChemClimWG Development Plan (from June 2013 meeting)

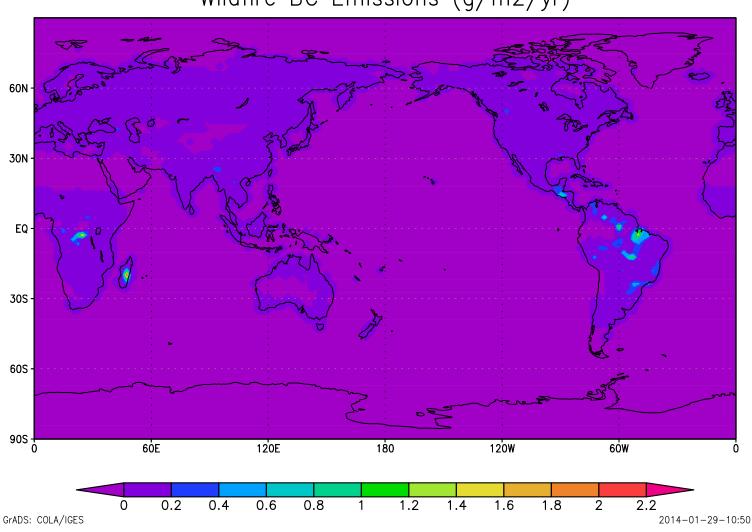


Wildfire Emissions

- Francis Vitt branch of CESM
- Li et al. (2012) wildfire model in CLM4.5 estimates fuel burn rate (kg m⁻² s⁻¹)
- fire_emis_factors.nc has g/kg for CO₂, CO, CH₄, NHMC, H₂, NO_X, N₂O, PM_{2.5}, TPM, TC, OC, BC, SO₂ for all PFTs from Hoelzemann et al. JGR (2004)
- Namelist controls which emissions go to CAM
- Vertical distribution presently prescribed
- Maria Val Martin working on plume model

4 Tg/yr Pre-Industrial BC Emissions in First Year Dominated by Amazon





ChemClimWG Development Plan (from June 2013 meeting)

