

Eva, Jan-Peter, Merja

Approach 1

Update of Eva's work on climate simulation set-up and literature search.

Discussion of Knorr's approach (prognostic) versus Polcher's approach (diagnostic).

Get familiar with Knorr et al. approach and how and at which position in the code it is implemented in stand-alone TERRA from Jan-Peter.

Which parameters are needed and find parameters for all 23 PFTs of the GlobeCover2009 data to be used for the Knorr et al. approach. Find out how they can be implemented in the model.

Set-up meeting with Uli Schättler at the training course in Langen on Friday to learn about time-stepping procedure, model structure and variable dependencies in the climate model.

Implement Knorr et al. approach into the climate model (after the decision in which model).

Other tasks:

Get familiar with the phenological scheme of CLM and ORCHIDEE.

Read the literature on dynamical LAI and phenology.

Contact Reto Stöckli, maybe visit MeteoSwiss by applying for funding from COSMO.