DOFOCO – Do Forest Cool the Earth

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Aim: The overall goal of DOFOCO is to quantify and change. Specifically, the current focus on the carbon cycle will be understand the role of forest management in mitigating climate replaced with a total climate impact approach.

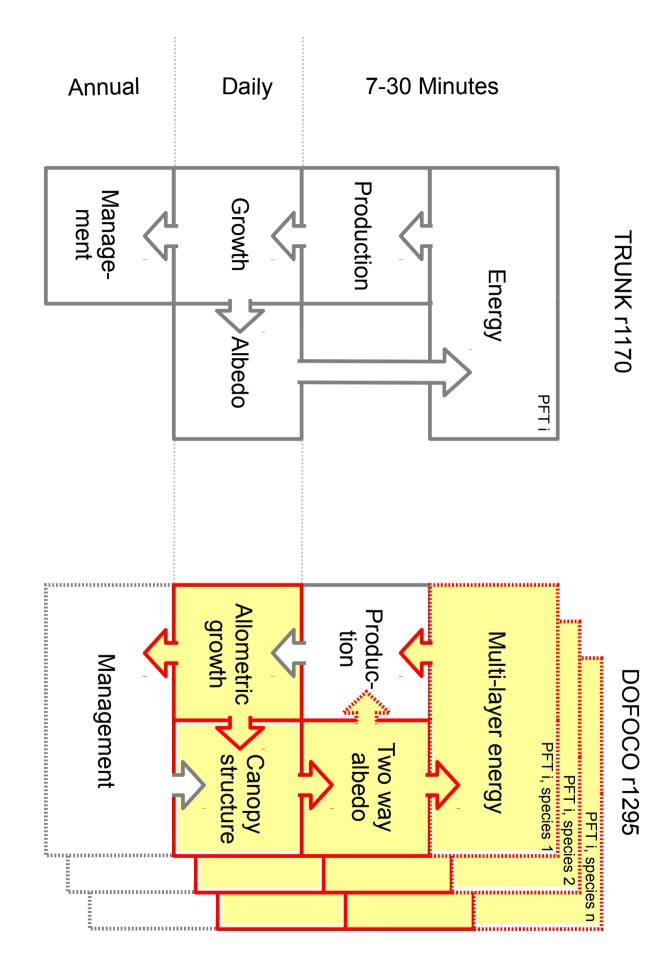




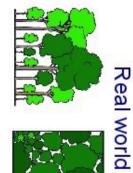


Conceptual shortcomings to the current version(s):

- land-atmosphere interaction only through LAI
- no tree diameter (management & canopy) or height (roughness) - surface area forest/bare soil is changing but not the forest itself
- no different management systems
- PFTs instead of species



ORCHIDEE DOFOCO branch









LAI & GPP

PFT 6

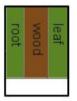
MaxLAI

Height

NPP & biomass

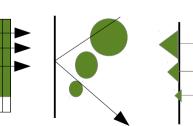
Albedo













Energy budget

Key developments

- biogeochemical (allocation) processes - Discretisation of biophysical (energy budget & albedo) and
- Integration of Sechiba and Stomate
- Level of interest to stakeholders