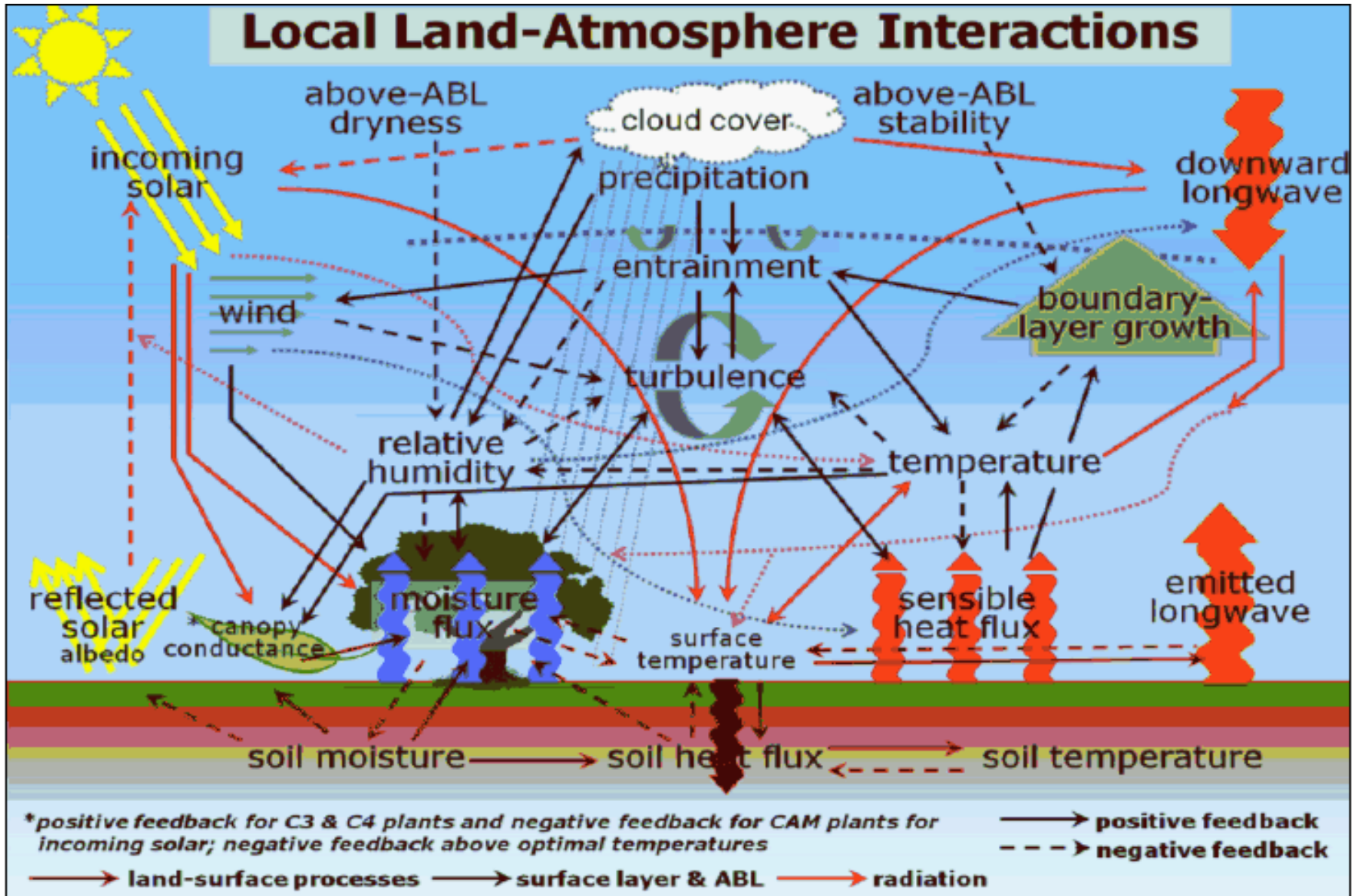




GLASS / Vision of 2016-rapporteurs

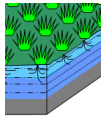
GLASS oral report started with this Figure ...

If this is all that GLASS needs to work on and understand ... What has not yet been touched upon?



From Benchmarking to coupled simulations

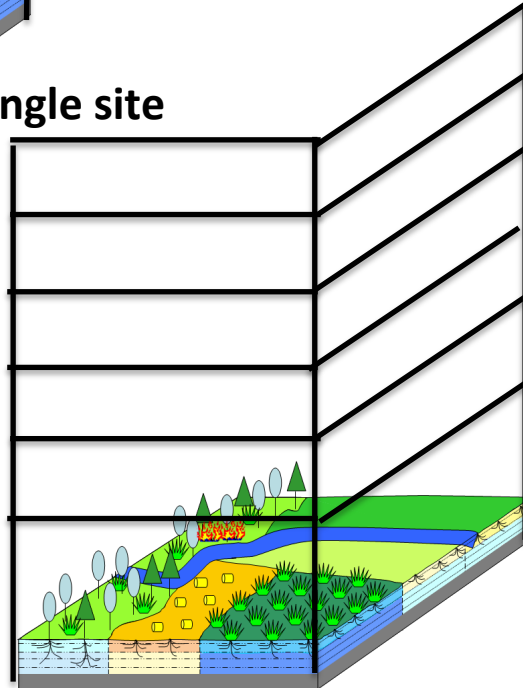
0D (single point / regional / global), 1D L/A and then 2D L/A → consistency?



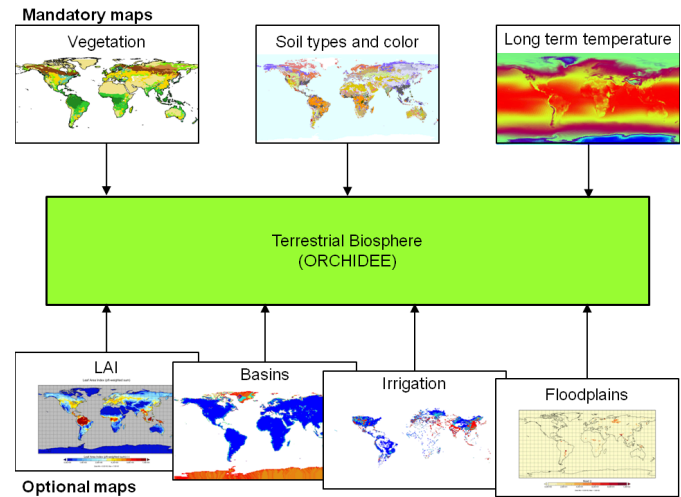
0D off-line
– single site



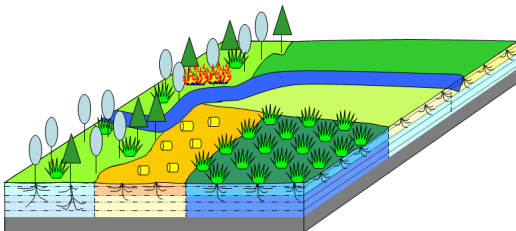
1D – single site



2D / GABLS – Regional



2D global ... GSWP / LandMIP



0D off-line - Regional

Benchmarking & Tools

- PALS was constructed by Gab but should be (?) community effort
- ➔ how can GLASS get organized for that?
 - Need to be adapted to 2D-studies
 - Can it be expanded to any PROES?

Regarding Evaluation/Benchmarking

- On going problem of land-surface models is their inability to correctly represent the partitioning of available energy between Latent Heat Flux (LE) and sensible heat flux (H) [mentioned in PLUMBER, LUCID]
- ➔ No improvements since PILPS (~90s) ??? Can we do better?

Regarding improved representation of Human forcings

What about

- human-induced land cover changes ?
 - Crops in our LSMs ?
 - Managed forests ?
 - Pasture ?
- ➔ Link with iLEAPS, LUMIP, ...

LoCo coupling indices

- How transferable / usable is it to apply to CMIP models, CORDEX models?
- What do we learn in terms of how strongly the Land & Atmosphere are coupled?