

Global map of soil carbon
under LU in ~~14~~ tC/ha (2010)

Global map of tSCF on cropland
in ~~44~~ % (2010)

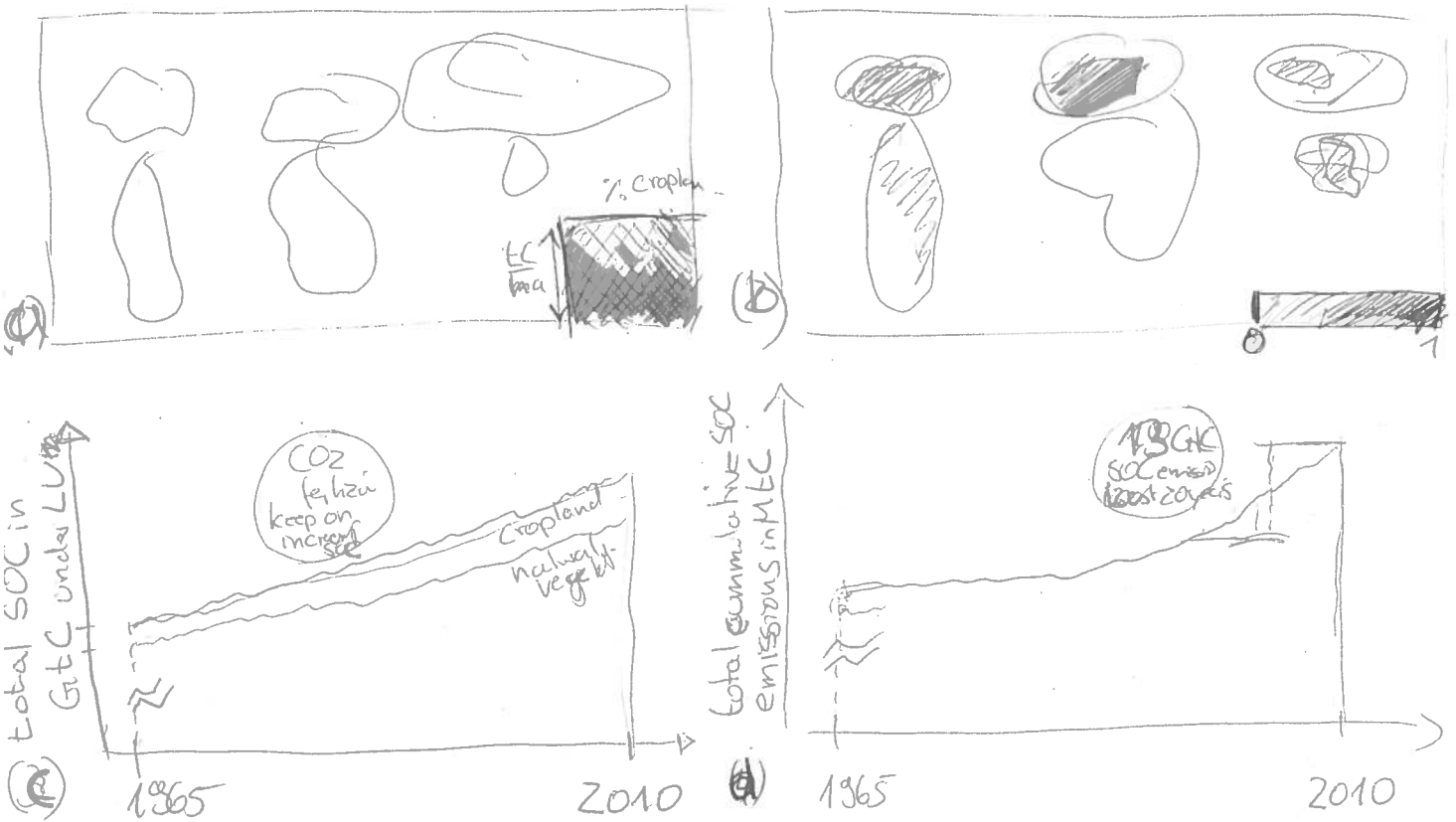


Fig (1)

Remarks:

- to (1) 2D-coloring indicating SOC status and Land use at the same time
- to (2) mask out just areas with cropland
- to (3) } key message in
- to (4) } bubble
- Simple table to put our results in context to other estimations will be added in result part on total Global Number

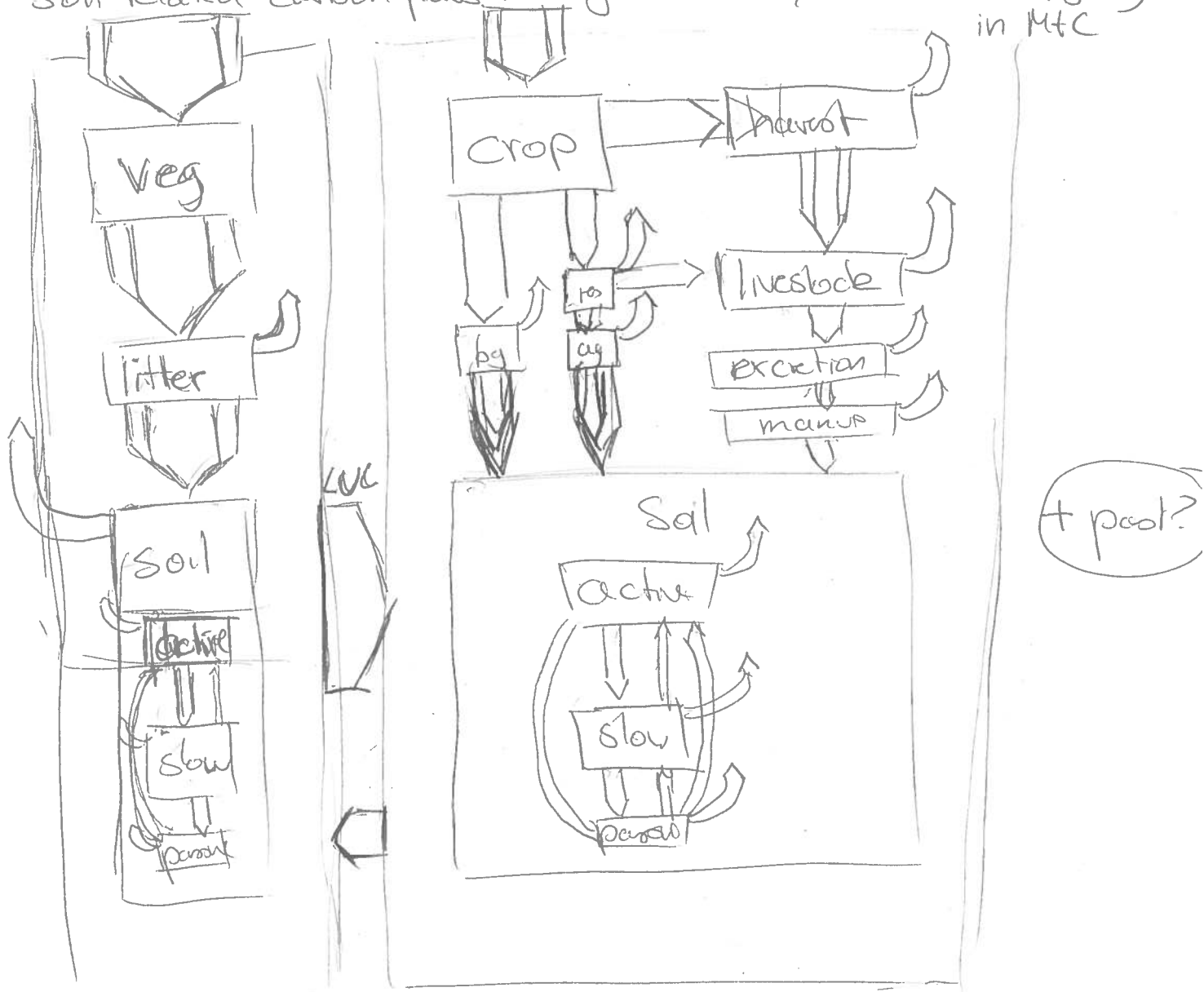
| | SCF - Tier 2 $\frac{tC}{tC}(\%)$ | SCF - Tier 1 $\frac{tC}{tC}(\%)$ |
|-----------------|----------------------------------|----------------------------------|
| temperate dry | 0.87 () | 0.92 |
| temperate moist | 0.87 () | 0.85 |
| tropical dry | 0.60 () | 0.70 |
| tropical moist | 0.50 () | 0.62 |

Fig 3. Comparison of stock change factors

(*) maybe including sensitivity analysis of Tier 2 approach here remarks:

- if there are big mismatches (not clear so far), add a fig.(4) that address the problem of "missing" carbon in the budget to come closer to Tier 1 approach values

Soil related carbon flows in agricultural system w.r.t (1985) in MtC



Fig(2)

remarks

- maybe including both data for 2010 and 1986 or 1965 (as in Benni Nitrogen Budget Paper)
- if pasture budget will be included explicitly has to be decided later (dependency on LPSm additional LPSmL data that Susanne has to provide)