

Swiss KP-LULUCF Reporting

Nele Rogiers

Swiss Federal Office for the Environment,
Forest Division

Swiss Init. Report: Forest Management = productive + unproductive forest

| | Tree species | Area kha | Data |
|---------------------|---------------------------------|----------|------------------------------------|
| Productive forest | Picea abies, Fagus sylvatica | 1240 | NFI |
| Unproductive forest | Alnus viridis, Pinus Mugo | 95 | Case studies Gains = losses = 0 |



Unproductive forest: Δ carbon stocks?

- **Δ C living biomass**
scarce information on stocks: data available on geographical extension (increase); no repeated measurements NFI to calculated gross growth and cut&mortality
- **Δ C dead wood, litter and SOC:** yasso applicable?

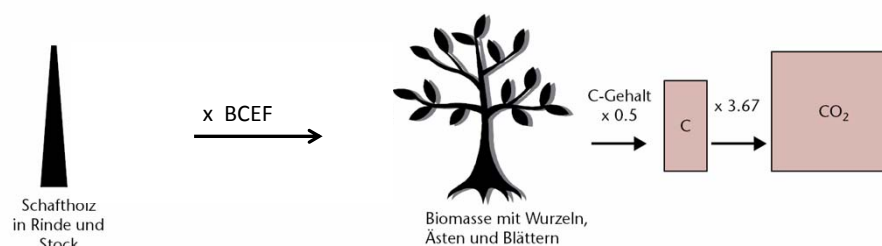
ERT: However, some of the assumptions used **still require further justification; for example, by providing the references to published literature** (e.g. the assumptions concerning the carbon stock changes in unproductive forests and the average growing stock of these forests can be supported by literature instead of being based on expert judgement).

-> **provide references to support the assumptions**

-> **incorporate additional information on the scientific justification for the basic assumptions**

Living Biomass: gains & losses

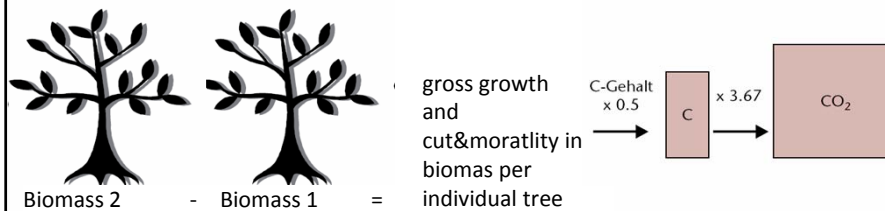
Untill NIR 2012: application of BCEF



- BCEF: Biomass Conversion and Expansion Factor
- Aggregation at the beginning: 30 BCEFs for Switzerland
- $BCEF_{\text{gains}} = BCEF_{\text{losses}}$

Living Biomass: gains & losses

From NIR2013: individual trees



- Estimates of biomass based on established allometries to tree-dimensions; no BCEFs
- Aggregation **at the** end to generate results per region

Living Biomass: gains & losses



Use of „included elsewhere“ ?

- Above and below ground biomass
- Yasso-Output

In our view, the reporting is complete, the reviewer argues with „comparability“ and „transparency“

-> when is „IE“ allowed ?