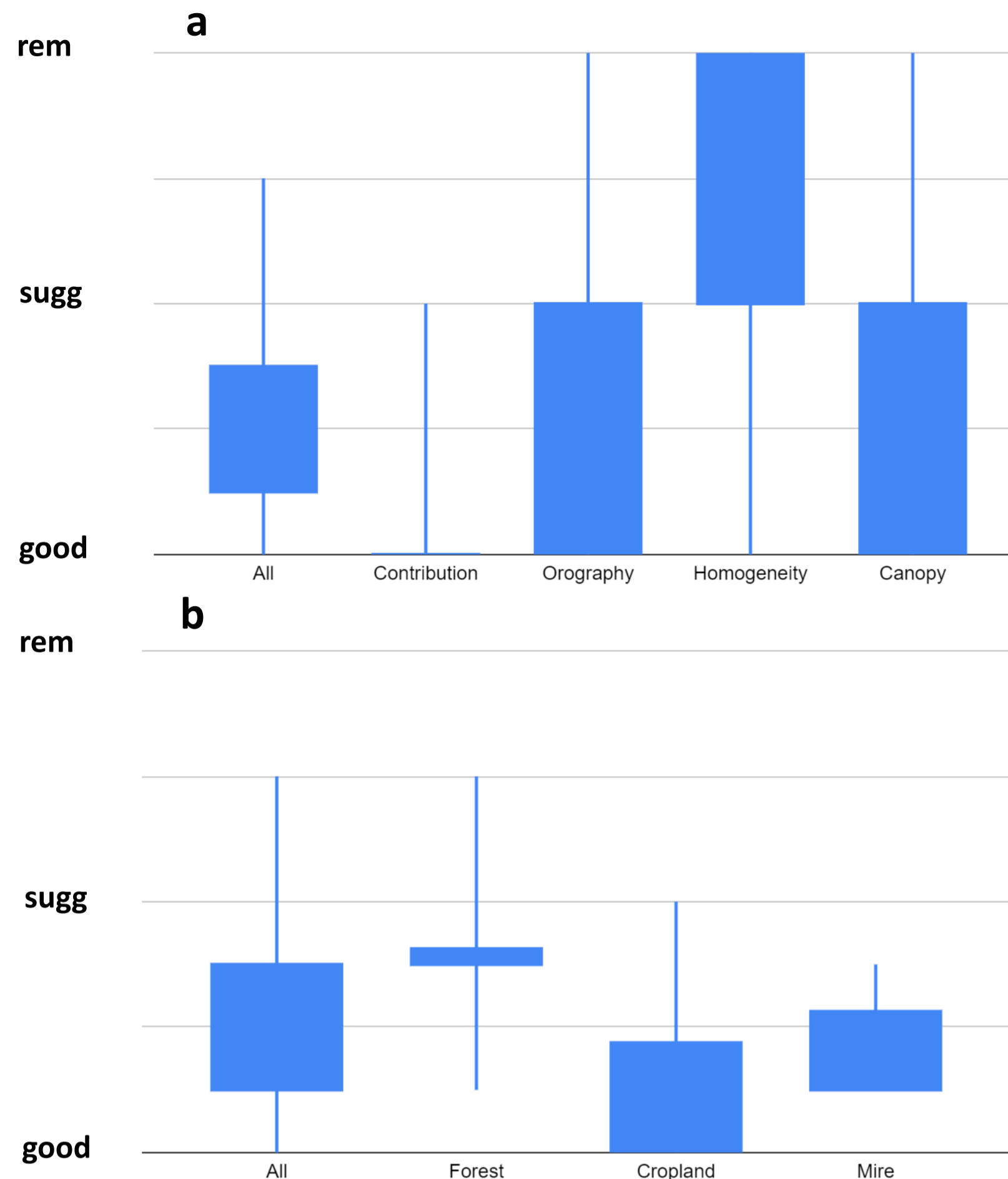
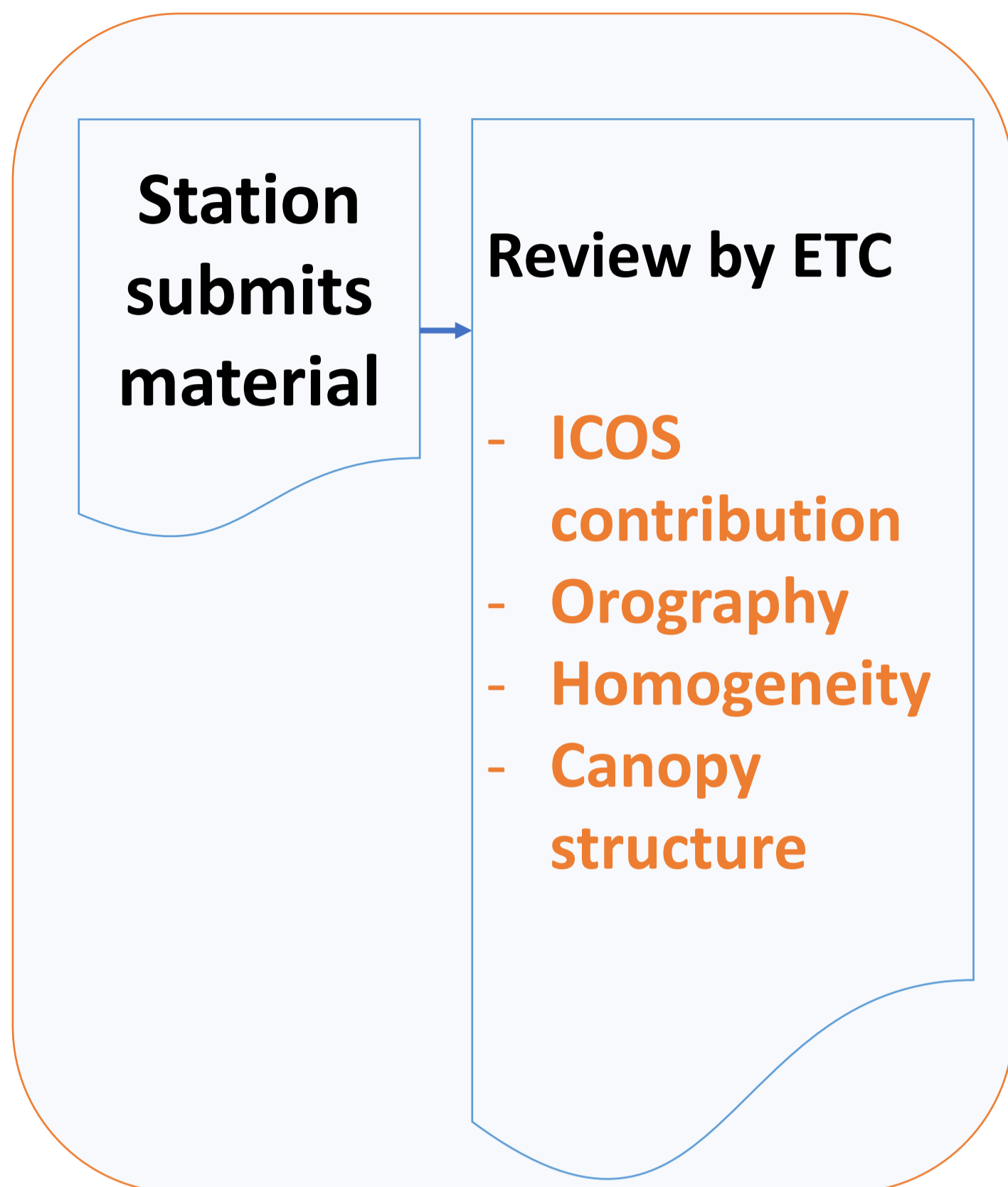


# Optimisation of Data Quality: Challenges and Strategies from the Labelling of ICOS Ecosystem Stations

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## Step1



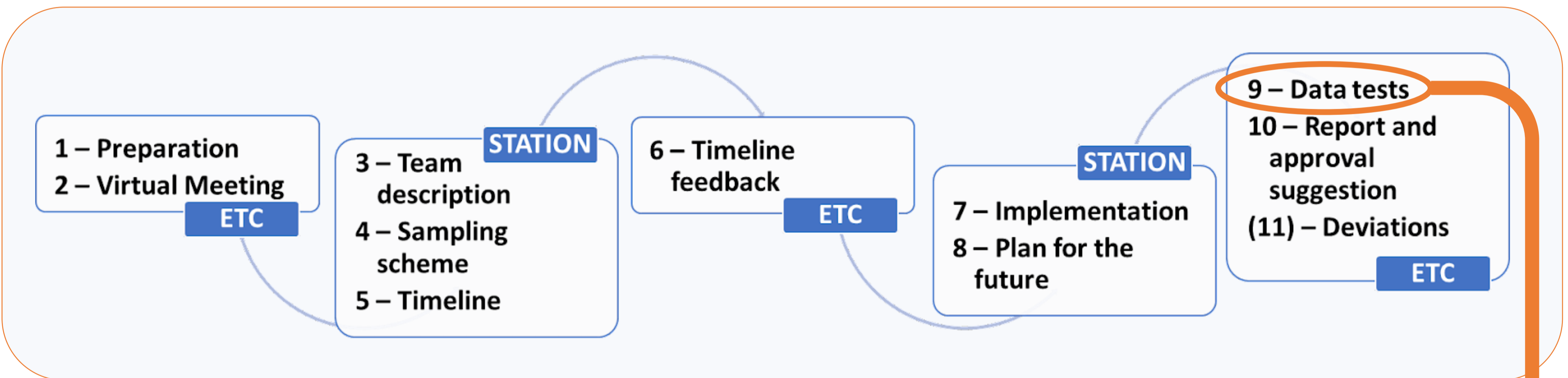
**Fig. 1** – average of scores (good, suggestion, remark) given by ETC reviewers in Step1 per criteria (a) and per ecosystem (b)

### Corrections:

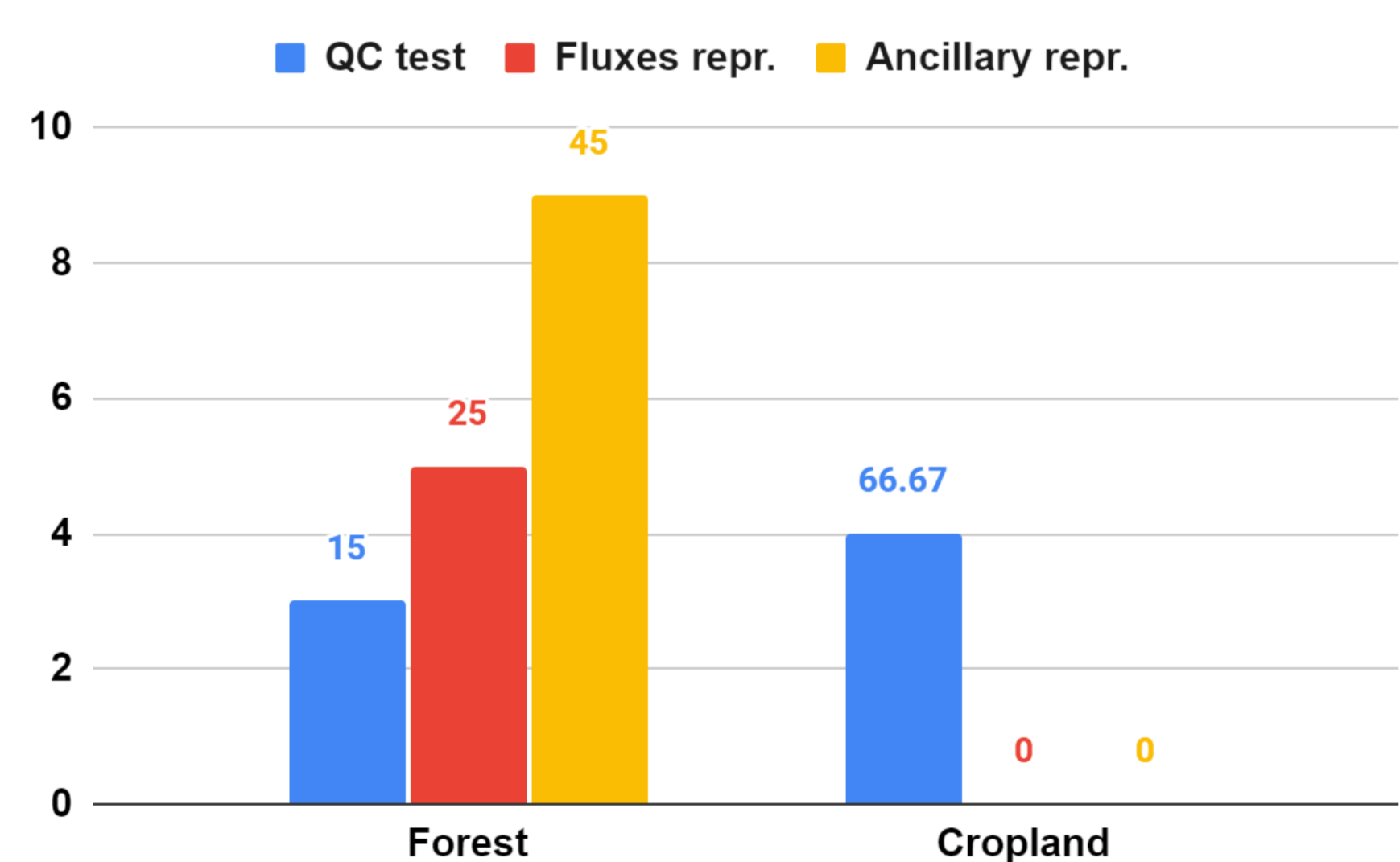
- Rotate SAT
- Adjust measuring height
- Displace the system

*After correcting, the station enters the Step2*

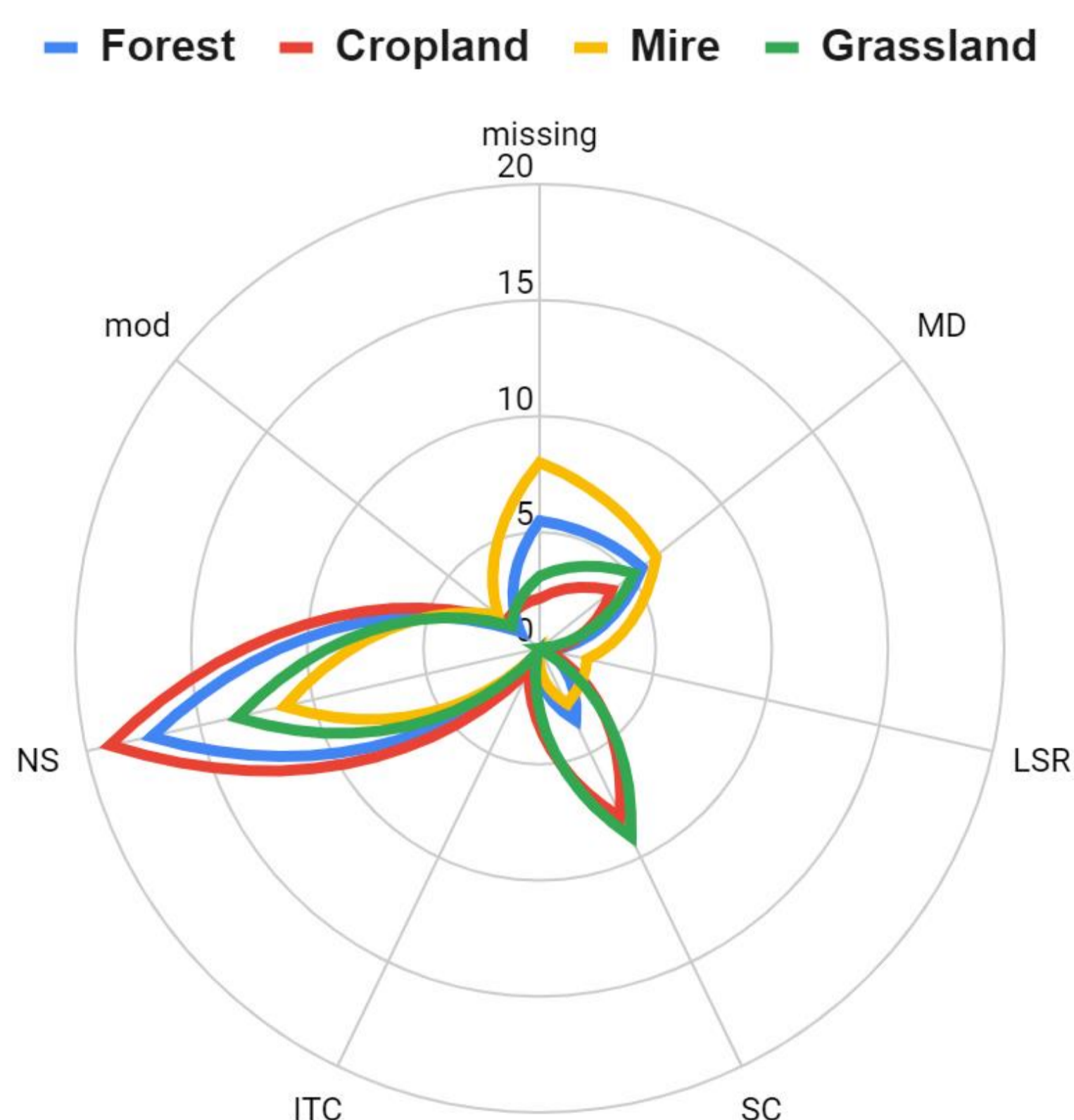
## Step2



**QC → data cleaning on NEE**  
**Fluxes representativity → footprint in the TA**  
**Ancillary representativity → of measur. plots**



**Fig. 2** – number of tests failed per ecosystem. Label reports the percentage relative to the ecosystem type



### Conclusions

- Step1: homogeneity more common issue (forests)
- Step2: croplands fail more, forests the repr. tests
- Non stationarity issues the more present in QC
- Importance of sensors setup and sampling design
- Link structure complexity-corrections needed
- *All issues corrected, ETC makes a report, available on the CP webpage, and the station gets the official ICOS label*