

Where: Wallonia (Ardennes, Condroz, Famennes)

What: Compressed Sward Height(CSH) [mm]

When: 2018-2019: pasture periods Month How: Rising platemeter Jenquip EC-20G Apr Aug Why: Predict CSH from remote sensing Jun May Sep **Results**:

- ➢ 72,975 records on 30 parcels
- ➢ High variability of CSH

Managing the high variability of compressed sward heights

Non-normal distribution





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Principles:

- Create « standards units » aka blocks
- > Fill the blocks with values of variables that might be relevant
- > Train and validate data mining models on independent datasets, using blocks as elementary units
- > Apply the most performing model on
 - Images coming from Sentinel-2
 - Pasture management data ullet
 - Climatic data
- Implement the results in a Decision Support System

