Pasture Ecosystem Services Indicators : an expert based set of indicators of ecosystem services

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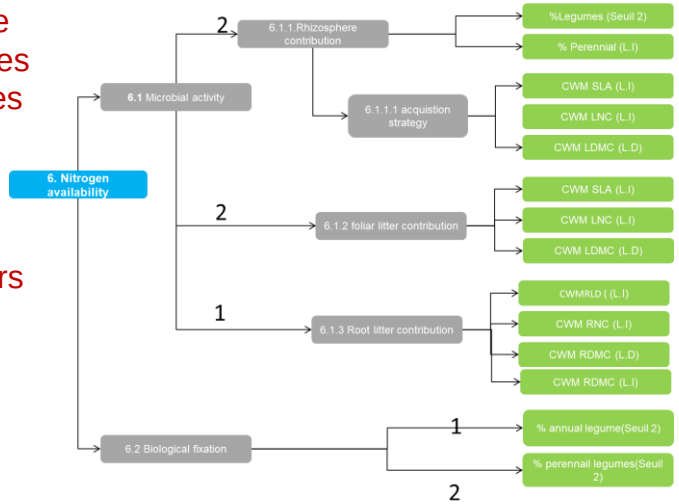
- Grassland provided many Ecosystem services(ES). ES are related to grass biodiversity.
- Grassland vegetation descriptors could be used to assessed ES.
- Goal: creating ES indicators from vegetation descriptors (forage production, flexibility in forage production, pollination, biodiversity conservation, resilience to extreme event, nitrogen availability).
- Use of multicriteria analysis tools to aggregate different descriptors based on expert knowledge

Experts Workshops

Identification of the ecosystem processes that support services

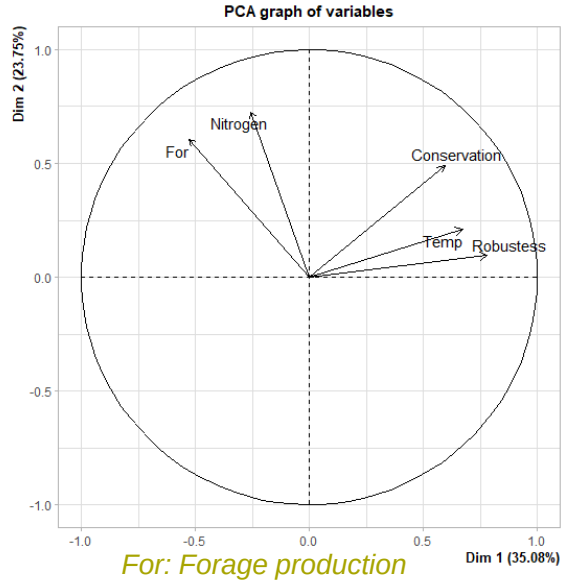
Selection of the vegetation descriptors

Multicriteria analysis TATALE



Calculation of descriptors of the 1754 botanical surveys from the eflorasys database.

Trade off between services



For: Forage production
Nitrogen: Nitrogen availability
Conservation: Biodiversity conservation
Temp: Forage temporality
Robustness: Resilience to extreme event

- Outpus: Proposition of set of indicators of ES that can be calculated from botanical surveys