



AGROSYL

Feed autonomy and animal welfare thanks to trees and woodlands

GO PEI AGROSYL was born from the willingness to provide innovative solutions to livestock farmers in Ariège, valuing local trees resources, as 50% of the superficies are covered in woodlands. Short terms targeted impacts are improvement of feed autonomy and income diversification, and long term impacts will be better resiliency towards climate change. 4 solutions are tested in pilot farms, on the basis of a diagnosis with farmers. Next move will be training livestock farmers and technicians, in order to promote these innovations at a local level.



A concerted approach of diagnosis

Trees, a relevant resource used by livestock farmers



80 livestock farmers were surveyed, in collaboration with partners from research, development and counselling

Percentages of livestock farmers with trees and woodlands



Hedges around permanent grassland



Woodlands



Groves



Hedges around crops



79 % of livestock farmers use their wood
25 % sell their wood

Trees perception according to farmers*

* 62 farmers surveyed

A strength for the farm...

Animal shelter

92%

Landscape integration

89%

Soil protection and biodiversity

57%

...with inconvenient

Increase of workload

57%

Maintenance cost

51%

Loss of production

36%

5 needs identified by farmers

- Animal welfare
- Feed autonomy
- Income diversification
- Expenses decrease
- Improving herd and grazing management

Experimentations to build local references

34 technical solutions identified... 4 solutions tested in 6 pilot farms



Forest chips for litter

- 2 pilot farms
- Study of cleanliness, wounds and animal behavior



Fodder trees

- 1 pilot farm
- Study of *morus alba* tree behavior and yields



Silvo-pastoralism

- 3 pilot farms
- Impact of thinning on grass and leaves production



Valuation of fruits

- 1 pilot farm
- Production of acorns and consumption by sheep

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