Grassland in Pays de Caux (France): balancing trade-off between livestock feeding and decreasing runoff

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INTRODUCTION AND CONTEXT
How can livestock farmers manage grassland in order to decrease runoff while cattle production remains profitable?
- Pays de Caux (Haute-Normandie): agriculture in competition for land with industry, tourism and urbanization
- Most farmers breed dairy or suckler cows: focus on dairy farms
- Main forage resources for dairy cows: maize silage, concentrate, with grassland

METHODS
Study of farm global functioning and forage system

RESULTS
Different ways to combine productive and environmental performances

CONCLUSION AND OUTLOOK
Forage self-sufficiency leads to a better trade-off between dairy production and runoff mitigation
- Cultivated high quality grass: a way to increase grass contribution in dairy cows diet
- Better forage self-sufficiency based on grassland: lower dependence on uncertain prices of inputs and milk
- … but which technical advice about integration of sown grasslands into a cropping plan?