Creating stakeholder categories through their identified ecosystem services and linking them to underlying ecological processes using synthetic matrices

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Scientific Problem addressed

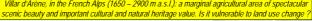
Marginal agricultural areas such as the mountains of Europe provide a variety of non market services besides agricultural production, involving a wide range of possible stakeholders

Assessing the vulnerability of such areas depends on identifying who will be affected and why.

The EU funded <u>VISTA project</u> models (agro-)ecosystem changes under a set of <u>prospective</u> agricultural land use <u>scenarios.</u>

Categorising stakeholders through their vision and understanding of (agro-)ecosystems and their landscape setting makes possible an assessment of <u>scenario impact on</u> stakeholders.







Methodology We used semi-guided interviews to gather social data on the value and description of the landscape and its grassland component

We preferred spontaneous descriptions of sub-alpine grasslands and their landscape setting in Villar d'Arène (Hautes Alpes, France) to a set questionnaire. Semi-guided interviews were used to keep the interviewee in focus. 45 interviews were carried out during the summer of 2004. The survey did not intend to be representative of a stakeholder population, but of its diversity.

A <u>qualitative synthesis</u> was made of grassland features identified by stakeholders as being important for different values of the local grasslands. We called these features "<u>descriptors</u>". They can be related to either <u>ecological characteristics of those grasslands or current land use practices (measured and/or modelled in the VISTA project</u>). Other descriptors relate to given landscape components that will not change in the VISTA project's time frame). Other descriptors do not relate to measurable features of the grasslands – we do not take them into account.

A <u>multivariate statistical analysis</u> of interviewee data (co-inertia of tables "interviewee x landscape description" and "interviewee x grassland description") was carried out to identify how landscape and grassland descriptions relate. This information was used to create abstract ideal type discourses about grasslands in their landscape setting. Those <u>ideal types are our way of classifying stakeholders</u>.

