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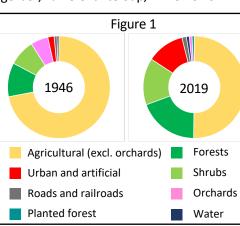


Context :

Our study zone has undergone urbanization, agricultural intensification and agricultural abandonment (fig 1). The latter is followed by succession and create a diversity of agricultural zones in succession (1). It affects ecosystems and consequently biodiversity, services (SE) and disservices (DES) (2). Stakeholders' perception of those zones is driven by different dimension (3) (4). SE and DES are one tool helping to understand this perception and the position of stakeholders (in favor or opposed) (5). The characteristics of stakeholders also explain landscape perception, for instance professional activity (6) and relationship to nature (7).

Clermont

Auvergne



2) How to explain this perception ? Methods :

We conducted 29 semi-structure interviews with :

1) How do stakeholders perceive agricultural

zones in succession ? Are they in favor or

- Local representatives (9)
- Managers (16)

Ouestions:

opposed ?

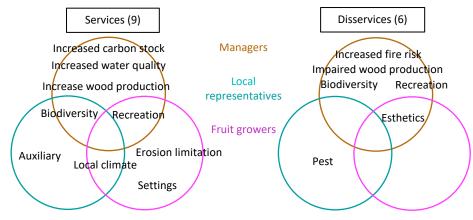
Farmers (fruit growers) (4)

Results :

1) Agricultural zone in succession : a multiplicity of wording

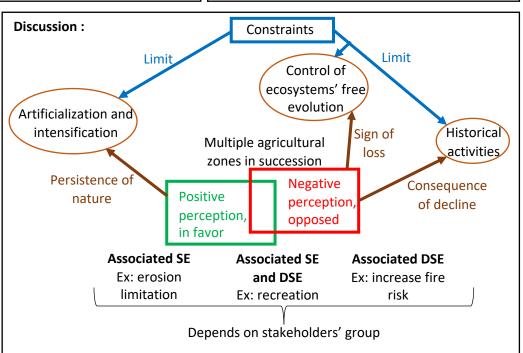
31 words and expressions including *forest, wood, nature, trees, closed* and *friche.* It shows that these zones are diverse but also hard to define for stakeholders.

2) Different services and disservices associated with agricultural zones in succession



3) Other themes structuring perception are common to all stakeholders

- Declining historical activities ; Control of the ecosystems' free evolution ;
- Artificialization and intensification in the territory ; Constraints (natural, land property, economic)



References : (1) Jepsen, Martin Rudbeck, et al. "Transitions in European land-management regimes between 1800 and 2010." Land use policy 49 (2015): 53-64. ; (2) Ustaoglu, Eda, and Marcus J. Collier. "Farmland abandonment in Europe: an overview of drivers, consequences, and assessment of the sustainability implications." Environmental reviews 26.4 (2018): 936-416. ; (3) Hunziker, Marcel. "The spontaneous reafforestation in abandoned agricultural lands: perception and aesthetic assessment by locals and tourists." Landscape and urban planning 31.1-3 (1995): 399-410. ; (4) Kaur, Egle, Hannes Palang, and Helen Sooväli. "Landscapes in change—opposing attitudes in Saaremaa, Estonia". Landscape and Urban Planning 67.1-4 (2004): 109-120. ; (5) Moreau, Clémence. Mettre en débat l'état de référence. Analyse des représentations des dynamiques paysagères au prisme des services écosystémiques. Diss. Université de Montpellier, (2015). ; (6) Garrido, Pablo, et al. "Stakeholder perspectives of wood-pasture ecosystem services: A case study from Iberian dehesas." Land Use Policy 60 (2017): 324-333. ; (7) Benjamin, Karyne, André Bouchard, and Gérald Domon. "Abandoned farmlands as components of rural landscapes: An analysis of perceptions and representations." Landscape and Urban Planning 83.4 (2007): 228-244.