

Challenge 1: Sustainable agroecosystems in a context of global change

Objective: optimize the integration of the agricultural systems into their environment and territories

Agroecosystems are facing numerous challenges: climate change, decline in biodiversity, need for input reduction, need for sustainable quality food supply, new dietary behaviors as well as new perception of agriculture at a global level, etc.

Our production modes need to adapt in order to face the threefold challenge: economic, social and environmental sustainability. Challenge 1 of CAP 20-25 focuses on two agricultural systems that are emblematic of the Auvergne region: **cereals** (predominant in the plain of Limagne) and **herbivores** (predominant livestock in moderately mountainous areas), as well as on key socioeconomic partners such as **Limagrain** and the **ARIA**. Ultimately, the project ambition is to **optimize the integration of agricultural systems into their environment and territories**. This implies raising these systems resilience and sustainability levels taking into account their production and environmental performances, while addressing social demands (end-product quality, animal welfare, etc.).

Structure

Challenge 1 structured its work around 8 deliverables, each with a roadmap defining an action plan for the coming years.

Challenge 1 deliverables:

The living lab "LIT" on field crops in Auvergne