

Hydrological flows explaining seedbank biodiversity in agroecoABSYSs

OBJECTIFS

In this context, our main objective is to assess which factors will affect the spatial distribution of seeds by focusing on runoff transport of seeds in linear features of different origin, size and shape. Three scientific questions will be answered in the project:

- What will be the fluxes of seeds displaced by hydrochory in linear features such as ditches?
- How runoff regime, geomorphology of the linear features (microhabitats) and standing vegetation will affect these fluxes?
- How the soil seedbank diversity (alpha and beta) will differ according to the properties of ditches in agroecosystems and their surroundings?

The answers to these questions should help implementing a process-based model linking seed-vegetation-water to implement Nature-Based Solutions focused on ditches natural rehabilitation.

Responsable :

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Montant :

