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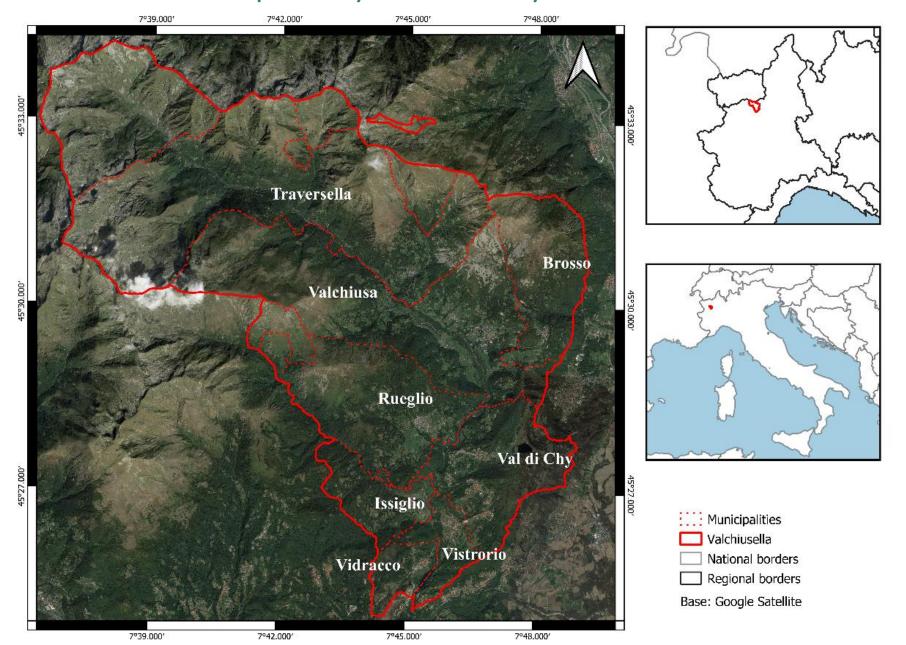
The case:

A Picit Jeu

A role-playing game about pasture and forest management for wildfire preventionc



Valchiusella
Italian alpine valley characterized by rural abandonment





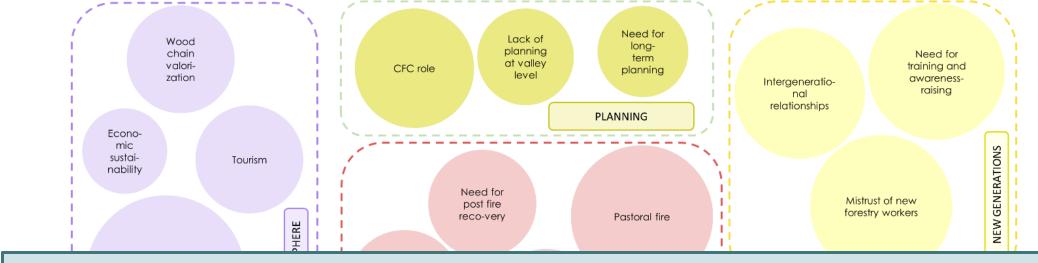




Game development process

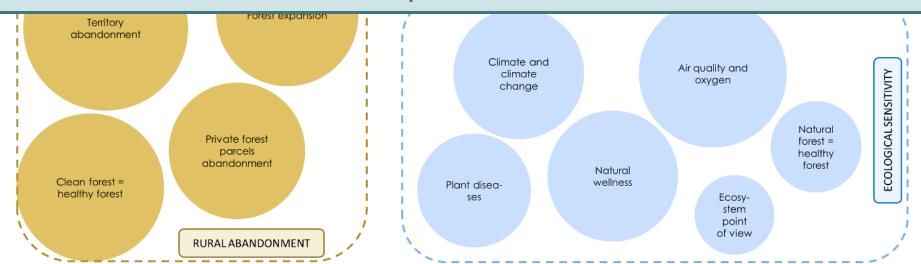
Semi-structured interviews

 Analysis of the local community's perception about the interaction between ecosystem dynamics, human activities and wildfire regime



Leading question:

How can we reduce wildfire risk by assuring the economic sustainability of forest and pasture management of public and private parcels?



Game development process

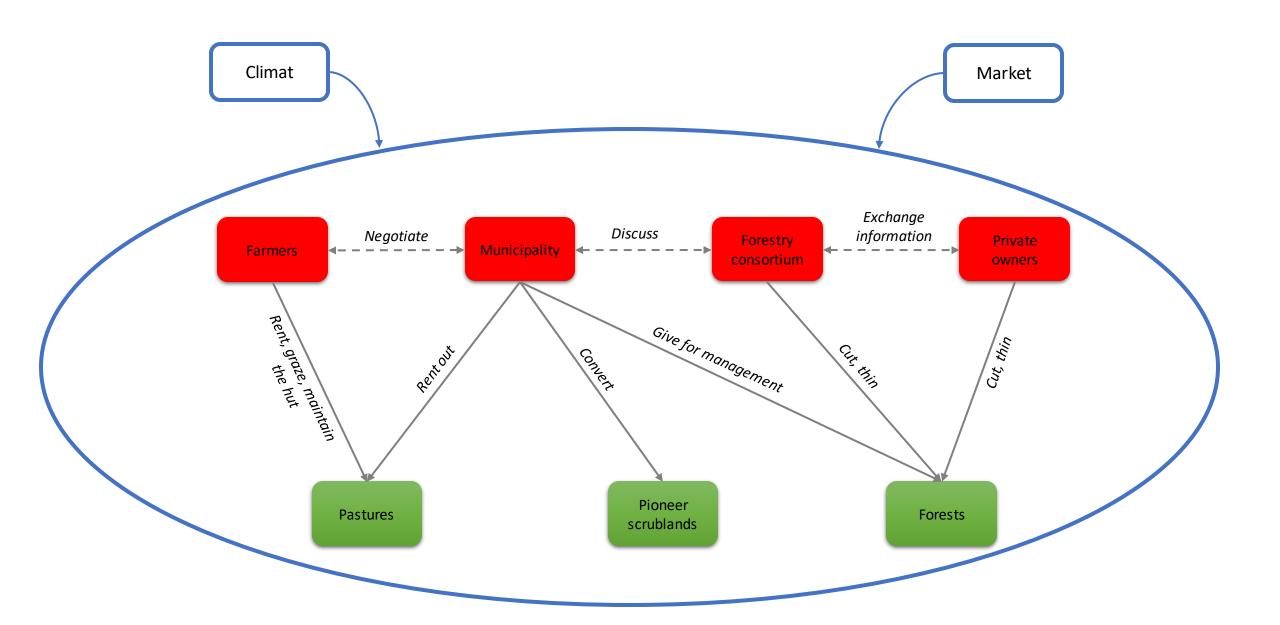
Semi-structured interviews

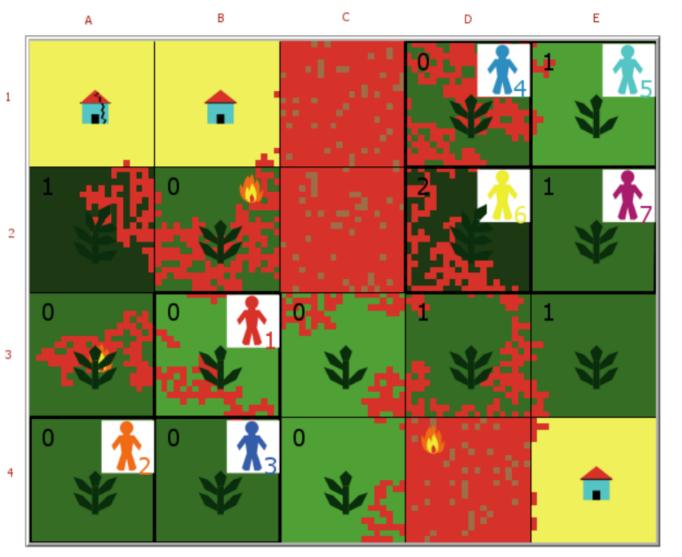
Analysis of the local community's perception about the interaction between ecosystem dynamics, human activities and wildfire regime



Game design

- Construction of an Agent-Based Model representing local socio-ecological interactions
- Development of a role-playing game about territorial management, based on the ABM







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Game design

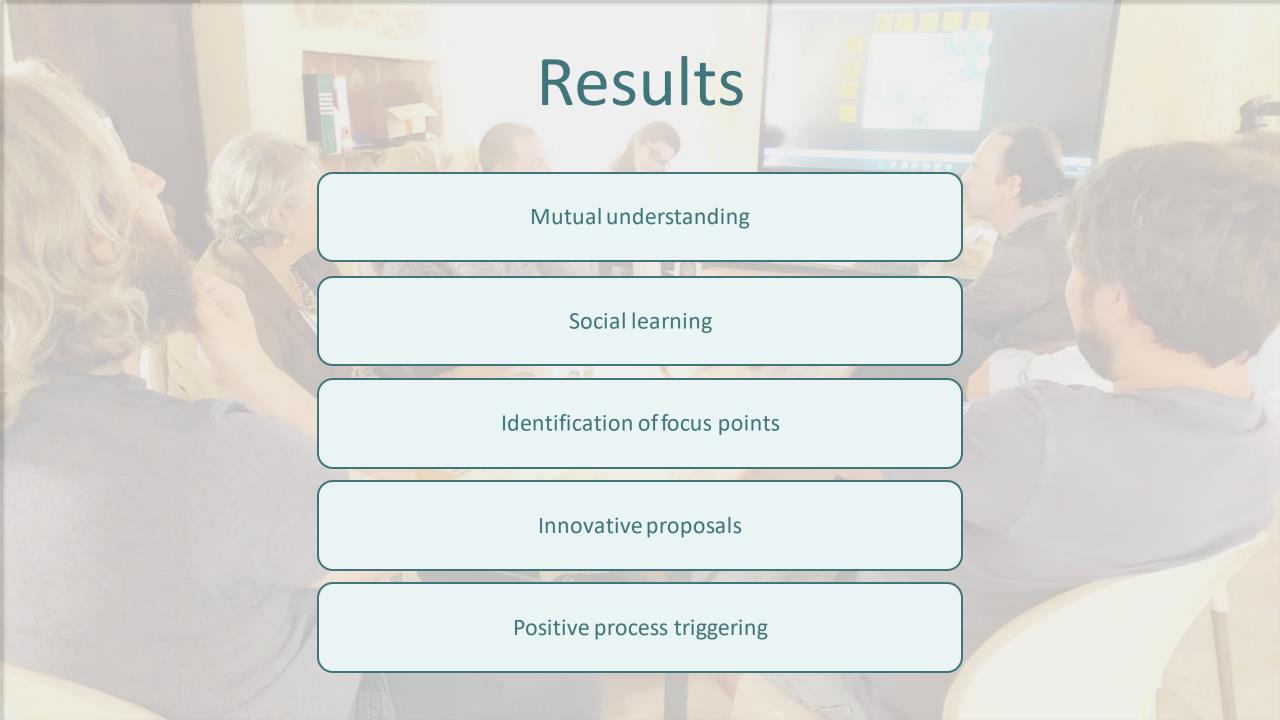
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Game sessions

 Organisation of focus groups involving local stakeholders of land management, using the game as a support for the discussion







Serious games as a powerfull tool in risk management

Serious game as a

case specific tool

Serious game as a

resource-intense tool

