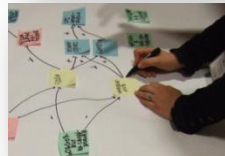
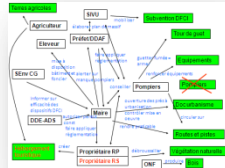


FIRE RISK AWARENESS-RAISING USING A COMPANION MODELING APPROACH: A pilot experience in the Cevennes, France

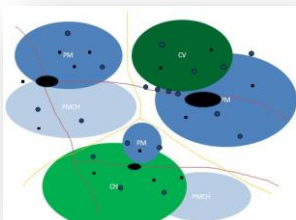


**Working together to learn how to manage together:
A 3 step process**

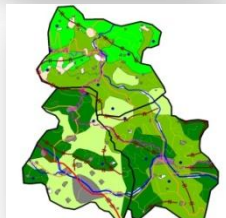


1) Participatory modeling with local stakeholders: The ARDI method

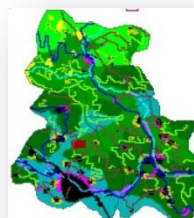
- ✓ Identifying the **Actors** who are involved in fire risk management, directly or not, and/or exposed to fire risk
- ✓ Identifying their **Resources** to manage fire risk
- ✓ Identifying the **Dynamic** of the environment and the fire risk
- ✓ Identifying the significant **Interaction** between these elements



The first representation of the environment



The map after the data analysis on GIS



The map in the CORMAS multi-agent model



2) Multi-agent modeling

- ✓ Analyzing the local data to reach a generic representation of the local environment
- ✓ Programming the interactions layer of the Multi-Agent System on CORMAS
- ✓ Fitting the Multi-Agent System interface to the implementation context

3) Role-playing Game

- ✓ Developing the game physical supports (cards, dices...), rules and agenda
- ✓ Training facilitators for dissemination
- ✓ Playing the game with local stakeholders, involved in, or exposed to fire risk to raise awareness about fire risk

Results

- ✓ A first step to action-planning with stakeholders
- ✓ The first participants evaluated this role-playing game as a simple and very understandable activity, addressing the true problems of their everyday life
- ✓ Even if the environment of the game is abstract, the game was found realistic
- ✓ Moreover, most of these participants were very satisfied with the dialogue created among them by this activity