Agroecological Innovations for Resilience and Sustainability of Alpine Livestock Farming Systems:

**INVERSION**

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Innovation broker is a farm (responsible for the coordination)

- 6 farms
- 1 Museum – association (Eco museo delle dolomiti del Garda)
- 1 Veterinary – technician

Alpine Livestock Farming Systems Issues (Giudicarie, Trento)
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- Intensification of dairy farming
  Higher external input (concentrate feed)
  Livestock increased in number
  Reducing number of little farm (profitability)

- Monoculture instead of pasture
- Land abandonment

- Low economic suitability
- Reduction of animal welfare

- Environmental risk due to a high level of slurry production

Loosing Linkage to territory: **identity**

- Higher concentrate costs
- Lower milk price
Farmers from a valley (Trento) from different municipality

Bottom up  willingness of change  (even too much 😊 )
A gradient of Farms

Agrilife
Athabaska
Maso Pisoni
Fornas de Curè
Marchetti
Cargos

Diversified farming
A gradient of Farms

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Intensive dairy farming
Participatory approach

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• 2 Research institutions: University (Sant’Anna School- Pisa), (CNR – biometeorology)
Participatory approach → INVERSION objectives

- Common priority needs and target services
- Co-definition of agroecological practices
- Co-definition of indicators
- Co-evaluation and adaptive adjustment of practices
- Adoption of tailored and successful agro-ecological practices
- Dissemination of information and scientific results
Arising conflict

• Generational conflict inside farm (no conflict between actor involved)

• Main conflict between (concentrate) **feed dealer** and **Academic agroecologist**
Questions for discussion:

How to increase awareness of agroecological practices that can increase economic, social and environmental sustainability of farms?

What can be done to get close to farmers who need guidance in agroecological transition?

- How to reach them?
- How to help them?