

Pilot study:

Biodiversity conservation in the agricultural landscape through the development and integration of the educational model into farming activities

LILIJANA MAHNE

SANDRA POTUŠEK

AJA BONČINA

PROF. DR. ELENA BUŽAN



PROGRAM
RAZVOJA
PODEŽELJA



Evropski kmetijski sklad za razvoj podeželja: Evropa investira v podeželje



Threats to biodiversity

Fragmentation and degradation of habitats

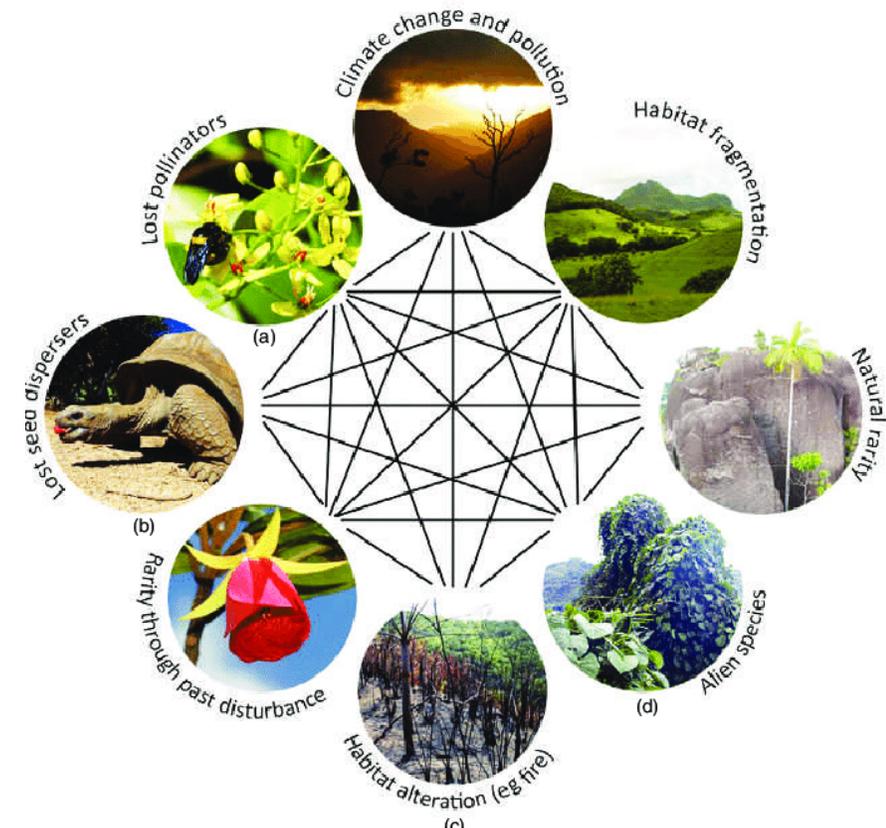
Introduction of invasive species

Pollution of air, soil and water

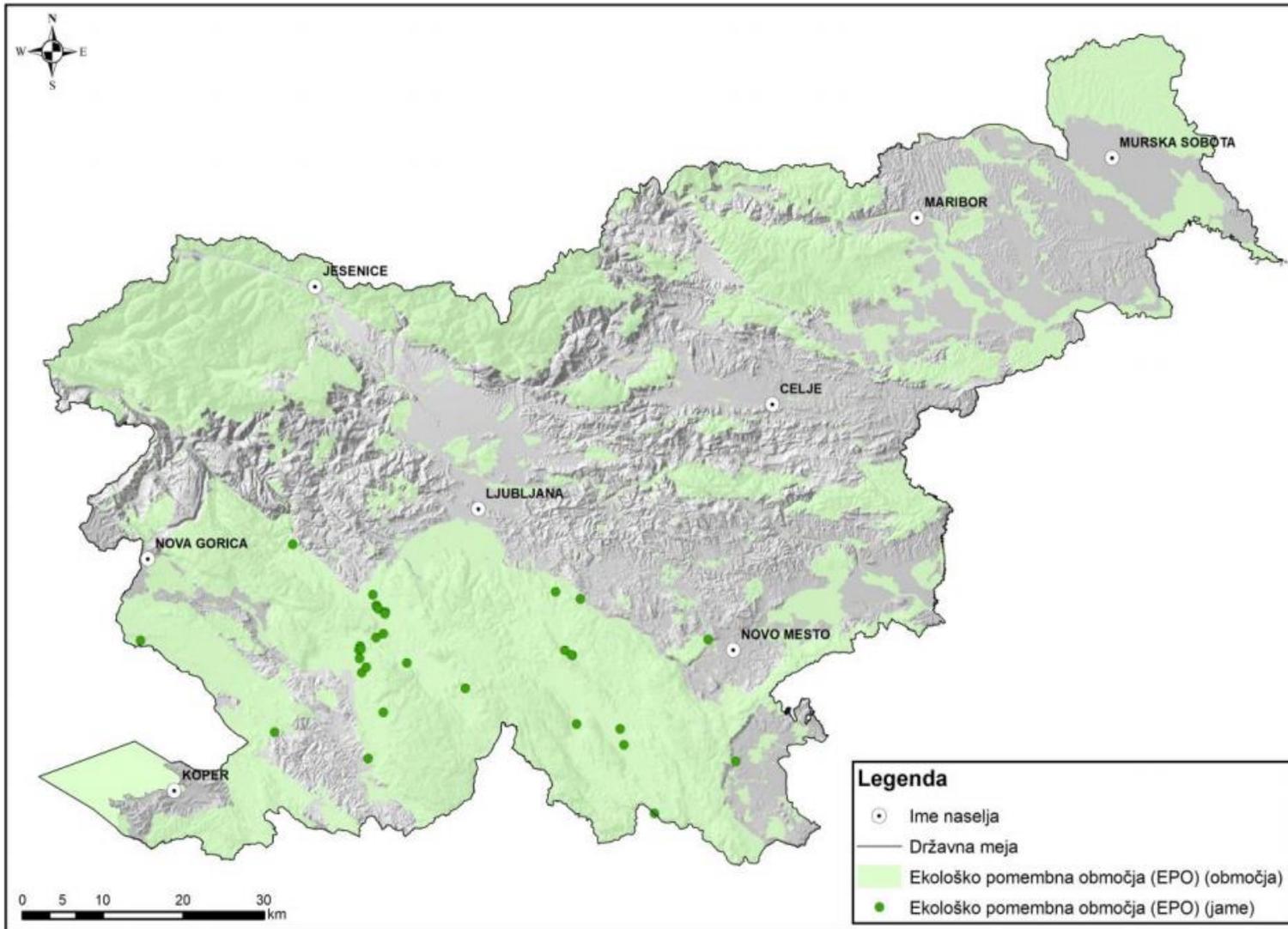
Intensive monoculture agriculture practise and forestry

Urbanization and land use alteration

Intensive and inappropriate exploitation of species



Protected areas in Slovenia



1 national park

3 regional parks

46 nature parks

1 strict nature reserve

56 natural reserves in 1164 natural monuments.

270,184 ha (13,33%) protected areas

37% Natura 2000 areas

Why farms?

There are 676.000 ha of agricultural areas in Slovenia

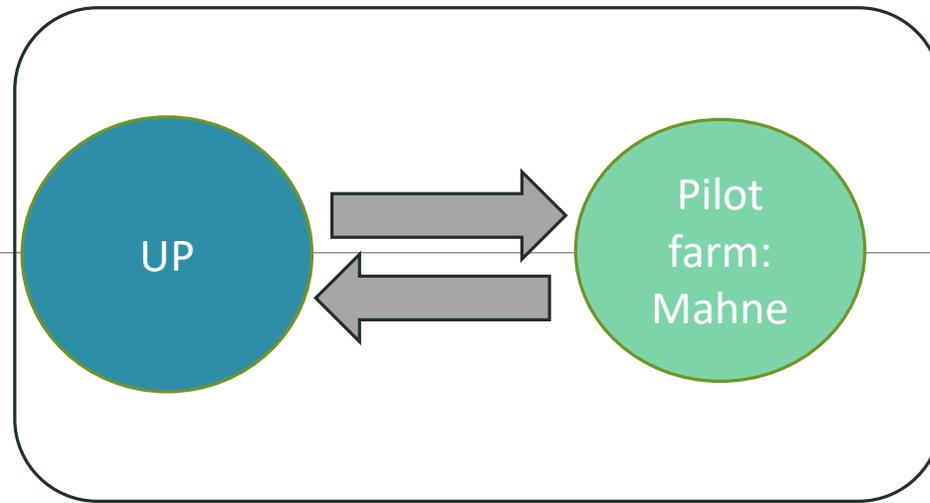
Farms in protected areas - exposed to limitation of farming due to measurement of biodiversity conservation.

Conflict of interest between nature conservation managers and farms owners (economic sustainability of implemented farming limitations).



Objectives

- Development of an appropriate, efficient and economically sustainable farm management model - to better preserve the biodiversity in the agricultural landscape - case of a pilot farm (Mahne).
- Development of tools for the knowledge transfer – increasing awareness of various stakeholders (other farms, schools, local community, universities) regarding the importance of the agricultural landscape for the biodiversity protection
- Test of a pilot model on a test farm (Lambergar Farm).
- Mutual learning between different stakeholders.
- Conservation of species diversity in the agricultural landscape.



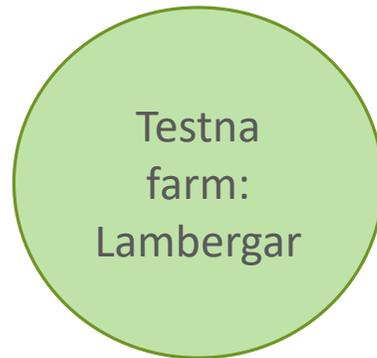
- R1 → Analysis of agricultural landscape features important for biodiversity conservation
- R2 → Educational workshops
- R3 → Additional activity: mutual learning
- R4 → „Laboratory in nature“
- R5 → Preparation of appropriate farming management strategy

3 key partners

Leading partner: University of Primorska

Pilot farm: Kmetija Mahne

Test farm: Kmetija Lambergar



Project design

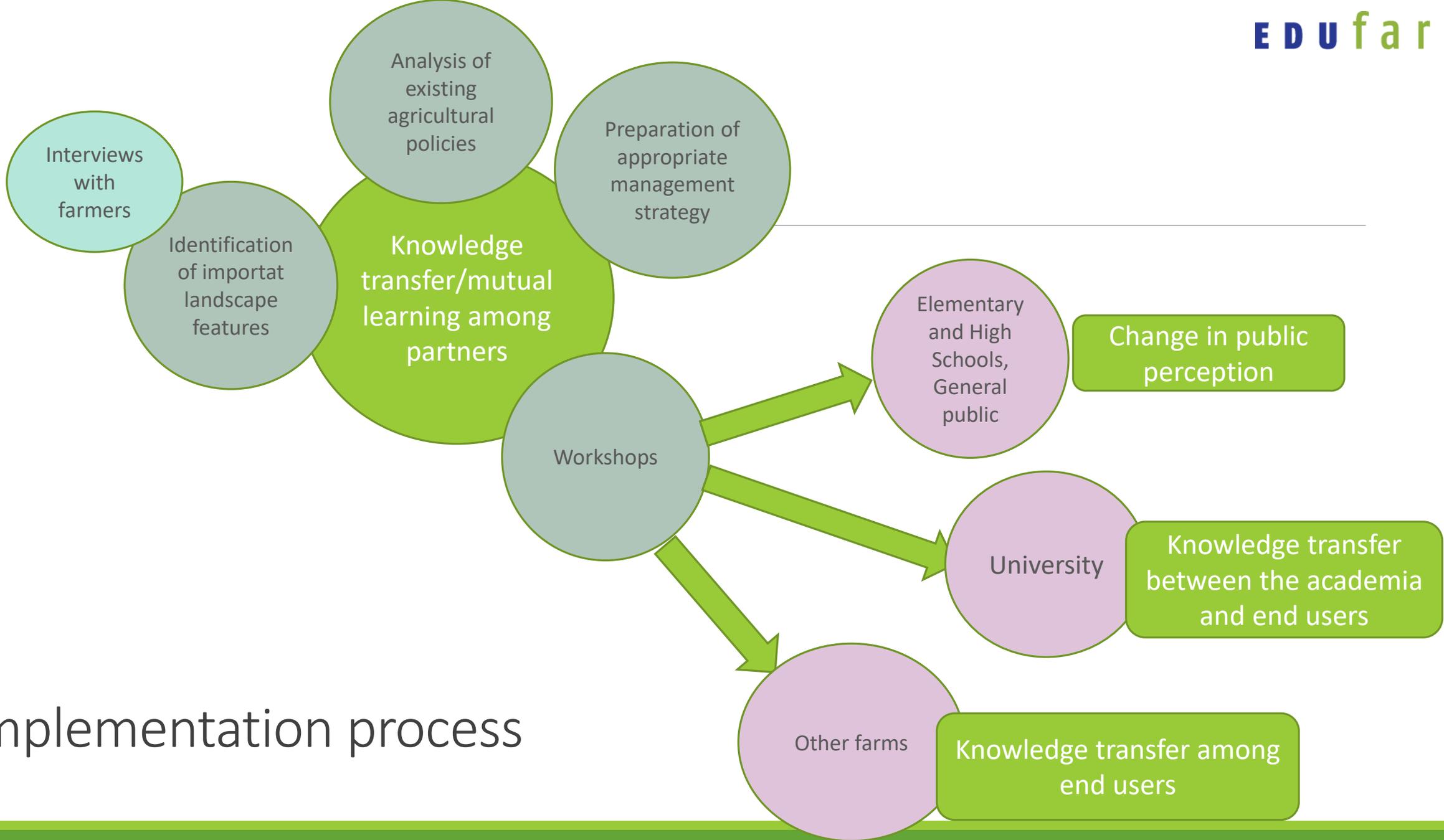
Pilot farm: Kmetija Mahne

Main activity: walnut plantation, extensive production of produce.

Complementary activity on the farm is related to the preservation of the cultural landscape, biodiversity, preservation of cultural heritage, education, production and processing of local self-sufficiency products and wood processing.

50 ha of land (70% of the forest).

Part of the farm belongs to the Natura2000 area and lies in the 3rd zone of the water protection zone, there is also 5 ha of forest reserve.



Implementation process