

11-12 FEBRUARY 2025

RABAT, MOROCCO

Institut Agronomique et Vétérinaire Hassan II



WEFE NEXUS INTERNATIONAL CONFERENCE

**EXPLORING AND BRIDGING NEXUS FOR
A SUSTAINABLE FUTURE**



These projects are part of the
PRIMA programme supported
by the European Union.

WEFE NEXUS INTERNATIONAL CONFERENCE

Day 2 – 12th February 2024

INNOVATIVE SOLUTIONS FEATURING INNOVATIVE, DISRUPTIVE TECHNOLOGIES, NATURE-BASED SOLUTIONS (NBS), ANCESTRAL PRACTICES, AND MORE.....



Natural-based solutions in intensive agricultural systems. The case study of Alentejo, Portugal.

Jessica Loureiro, Irene Pérez-Ramirez, Rita Lopes, Paula Antunes, Rui Ferreira dos Santos & Nuno Videira



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Nature-based solutions in intensive agricultural systems

The case study of Alentejo, Portugal

Jessica Loureiro, Antunes, P., Lopes, R., Pérez-Ramírez, I., Santos, R.F. & Videira, N.



NOVA SCHOOL OF
SCIENCE & TECHNOLOGY



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WEFe challenges in Alentejo

Before 2000: Crop mosaic
(Montados and cereal steppes)

2000: Alqueva dam

After 2000: Permanent crops such as
olive groves, almond orchards and
vineyards



WEFe challenges in Alentejo

- Water scarcity
- Ecological and chemical imbalance in surface waters
- Soil degradation
- Biodiversity loss
- Degradation of traditional ecosystems



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Nature-based solutions

"Nature-based Solutions are defined as actions to protect, sustainably manage, and restore natural or modified ecosystems, that address societal challenges effectively and adaptively, simultaneously providing human well-being and biodiversity benefits" (International Union for Conservation of Nature (IUCN), 2016).



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COVER CROPS IN
ALENTEJO



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01

Nature-based solutions
tested in BONEX

02

Participatory approach

03

NbS in agrosystems in
Alentejo

Nature-based

tested in BONEX



Watercourse restoration



Cover crops

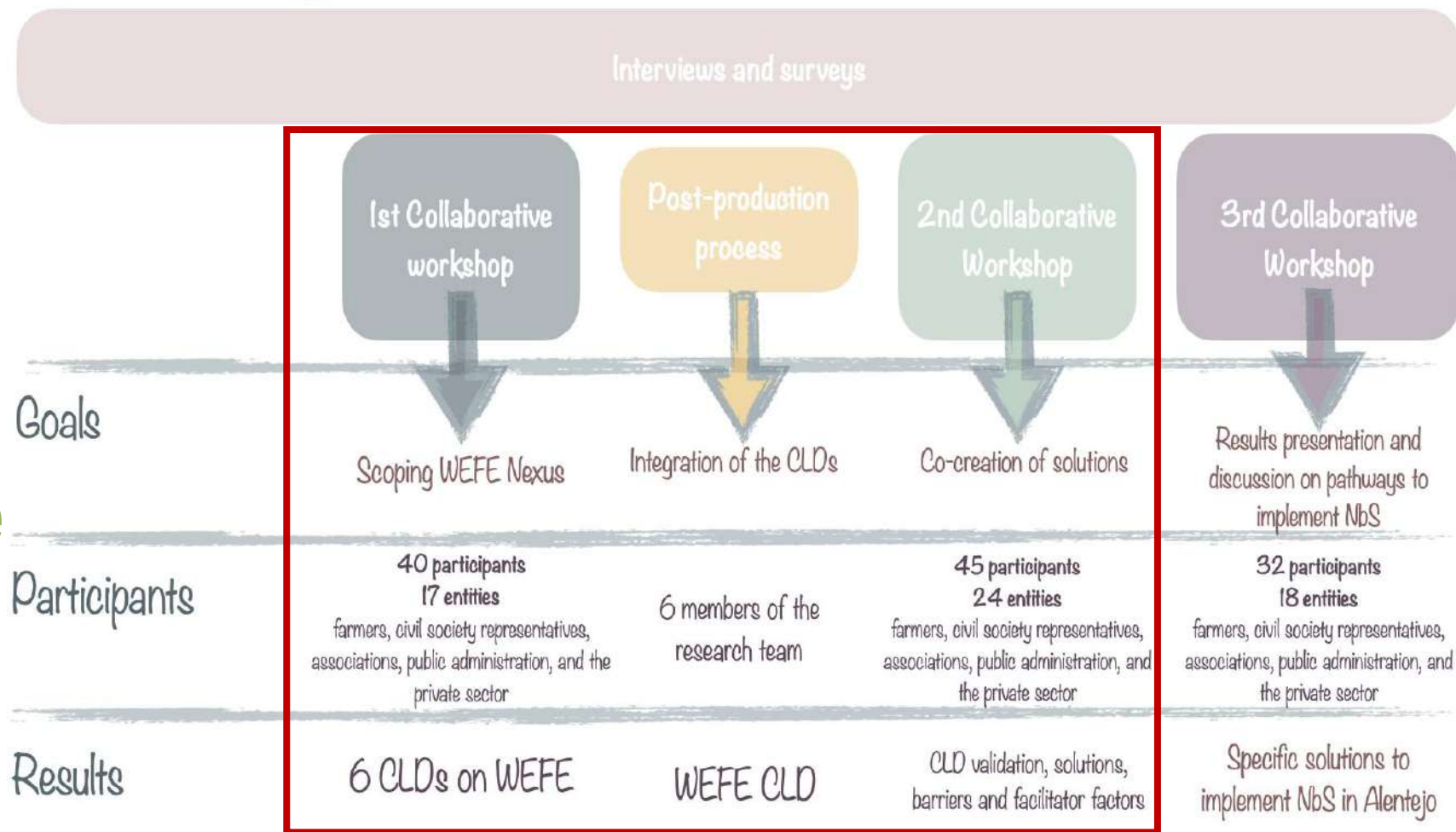
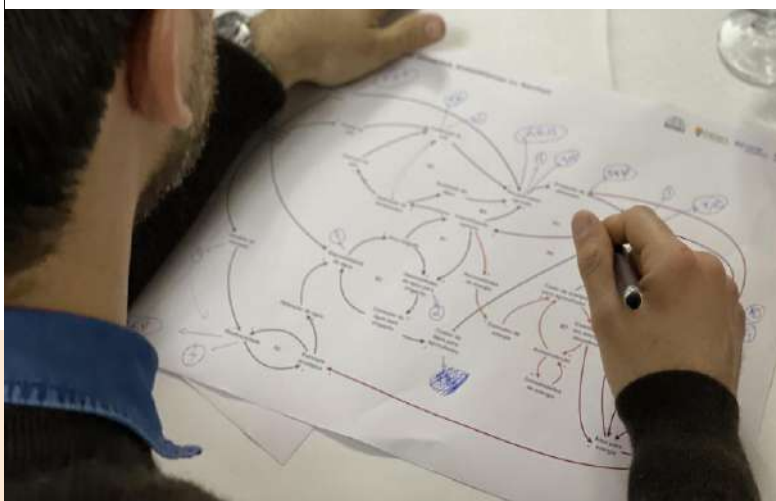


Pond restoration



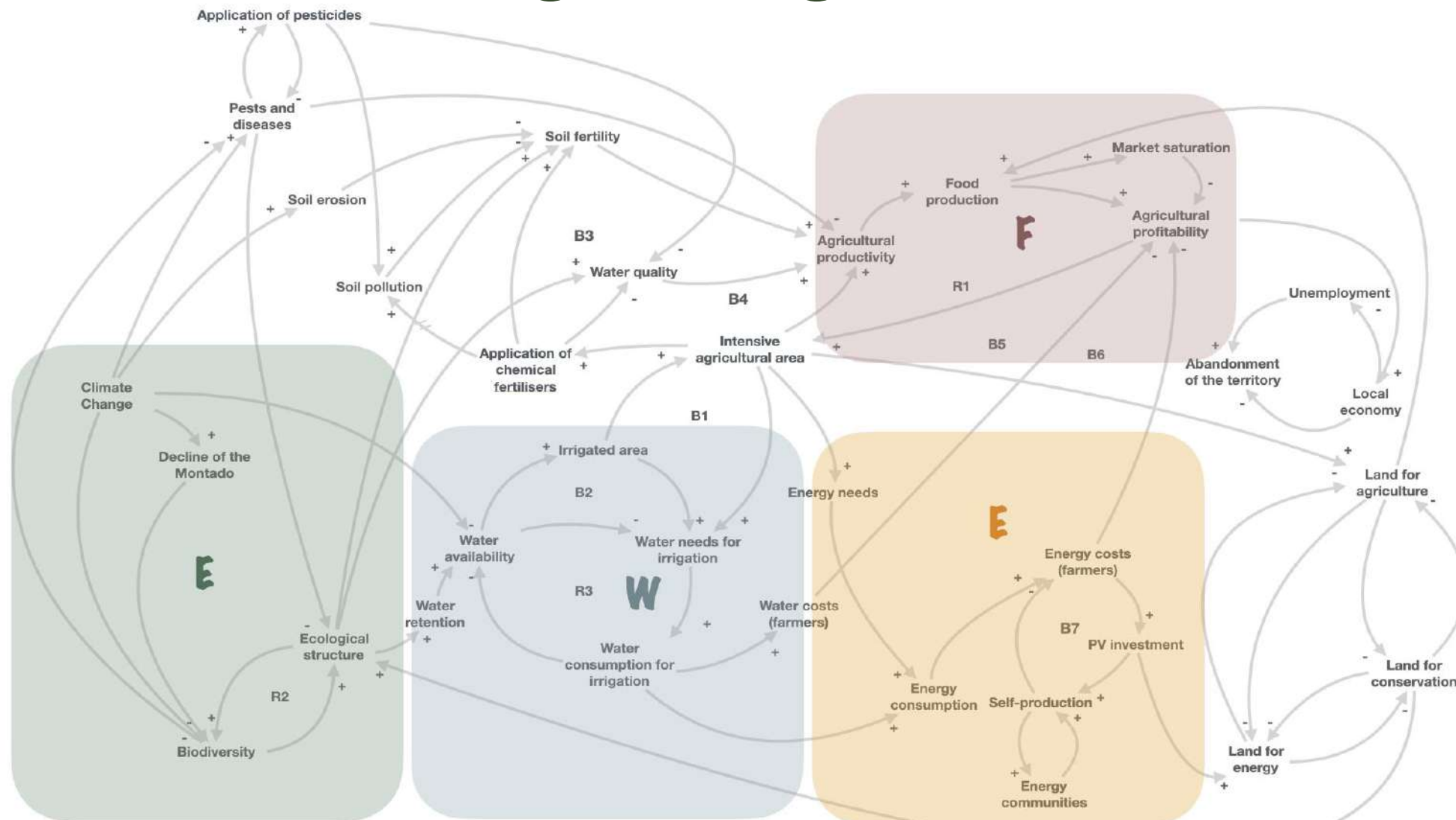


Participatory approach WEF



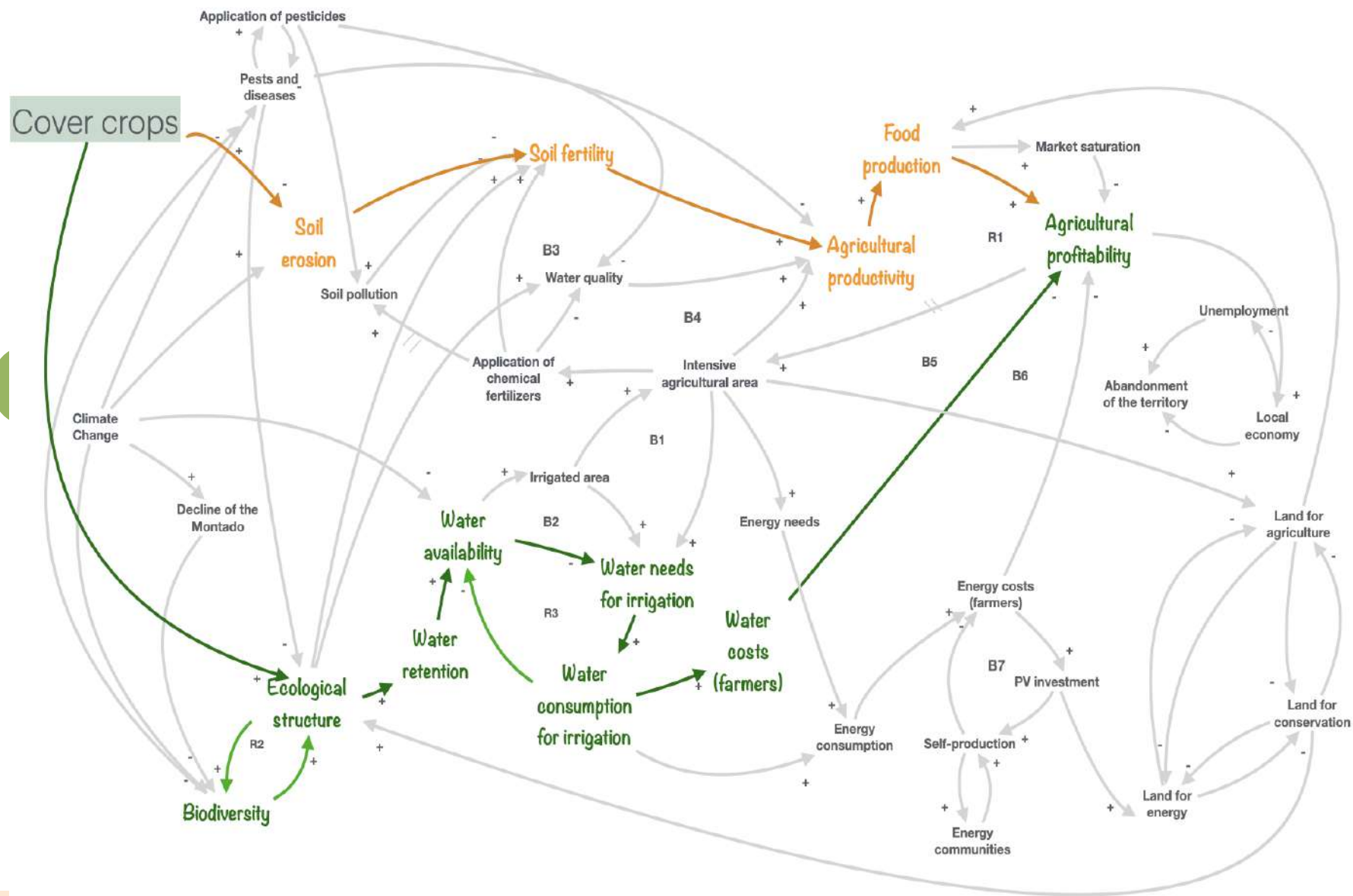


Understanding the system

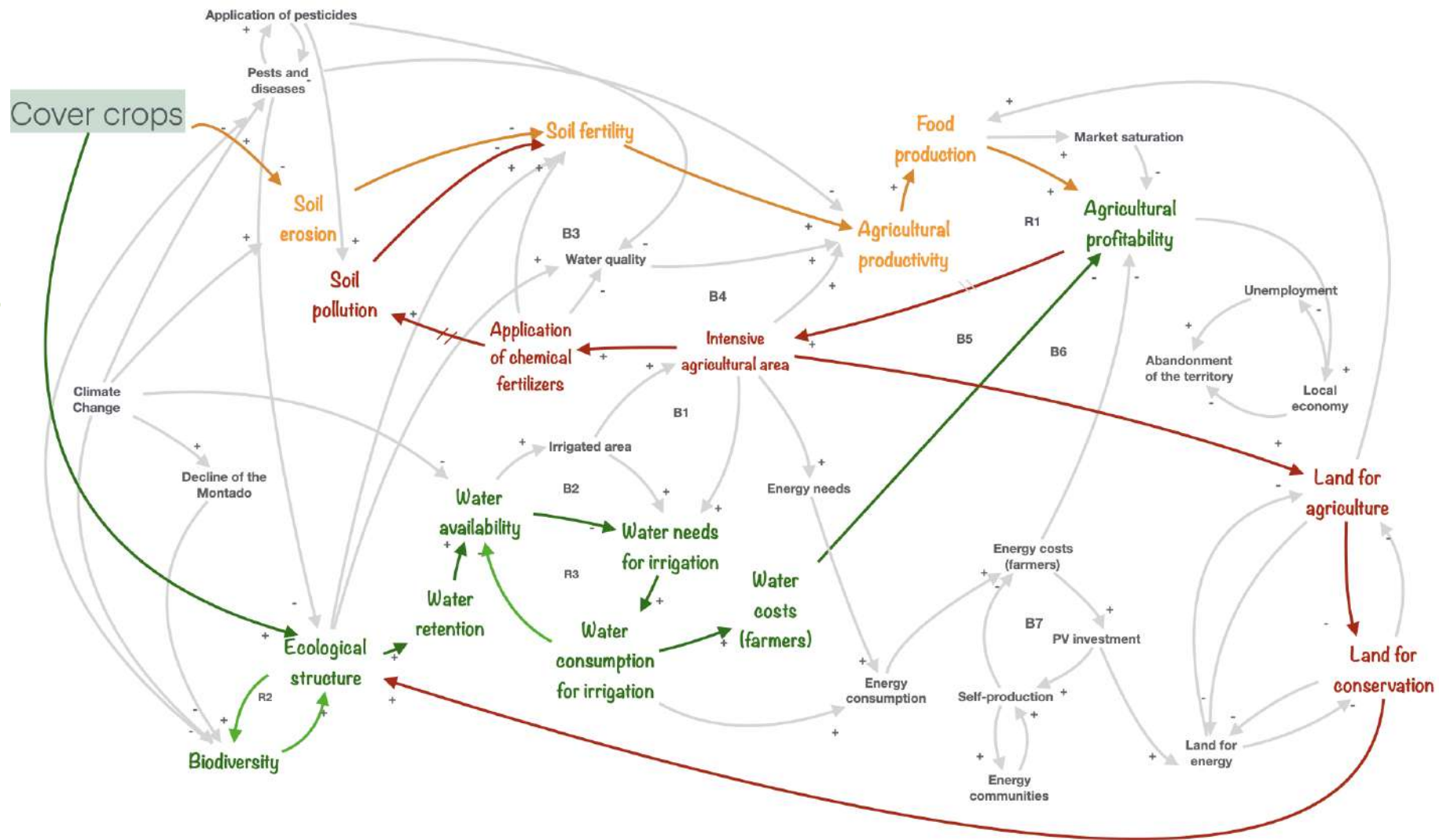


Ecological
Economic
Social

NbS in Alentejo

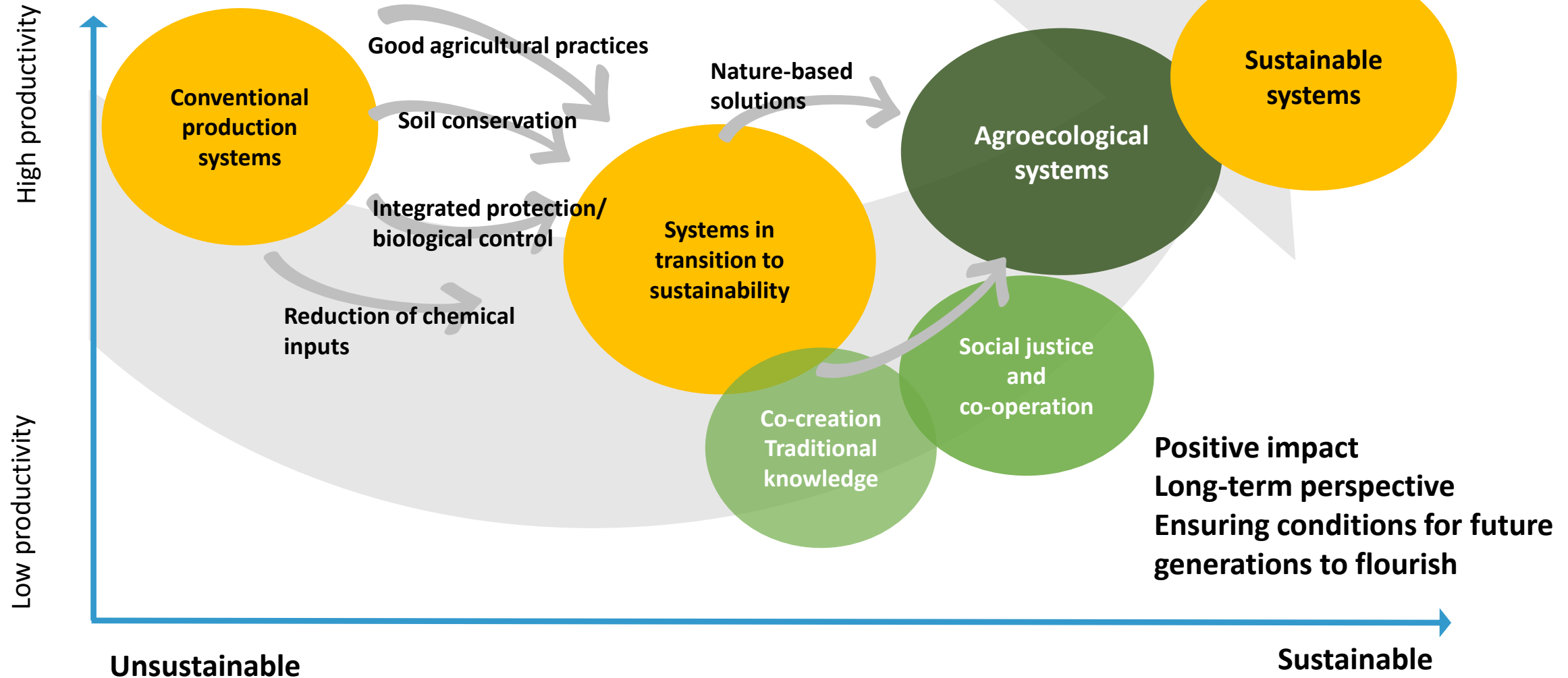


NbS in Alentej





Transforming agri-food systems





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@PrimaProgram