



UNISECO

UNDERSTANDING & IMPROVING
THE SUSTAINABILITY OF AGROECOLOGICAL
FARMING SYSTEMS IN THE EU



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 773901.

Philippe Fleury
ISARA-Lyon



 THÜNEN  **crea**
Consiglio per la ricerca in agricoltura
e l'analisi dell'economia agraria

 ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ
AGRICULTURAL UNIVERSITY OF ATHENS 

 **BOKU**
University of Natural Resources
and Life Sciences, Vienna

 **BEF**
LATVIA

 **BEF**
LITHUANIA

 **Isara Lyon** 

 **GEONARDO**
STATE-OF-THE-ART AND BEYOND

 **WWF**

 **SLU**
SVERIGES LANTBRUKSUNIVERSITET

Nafarroako Ingurumen Kudeaketa, S.

 **Luke**
NATURAL RESOURCES
INSTITUTE FINLAND

FiBL

 **IAEI** | INSTITUTE OF
ECONOMICS



The ambition and overarching objective of UNISECO is to address the key dilemma and to strengthen the sustainability of EU farming systems, through co-constructing improved and practice-validated strategies and incentives for the promotion of improved agro-ecological approaches.

UNISECO

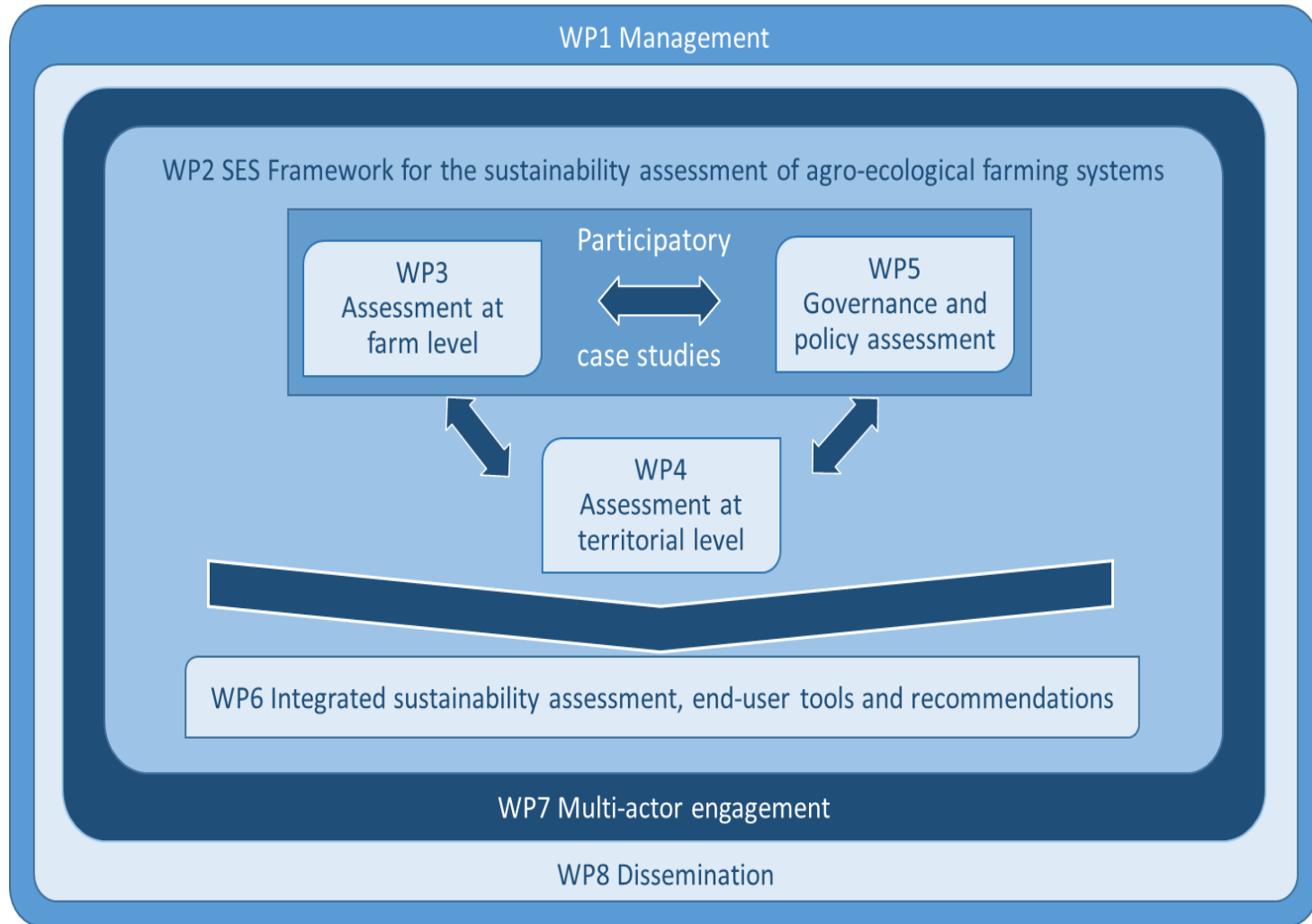
L'ambition et l'objectif principal d'UNISECO est de se saisir d'un dilemme clé, renforcer la durabilité des systèmes agricoles européens.

Pour le développement d'approches agro-écologiques améliorées nous co-construirons des stratégies et des incitations politiques et de marché validées par la pratique.

Objectifs détaillés d'UNISECO

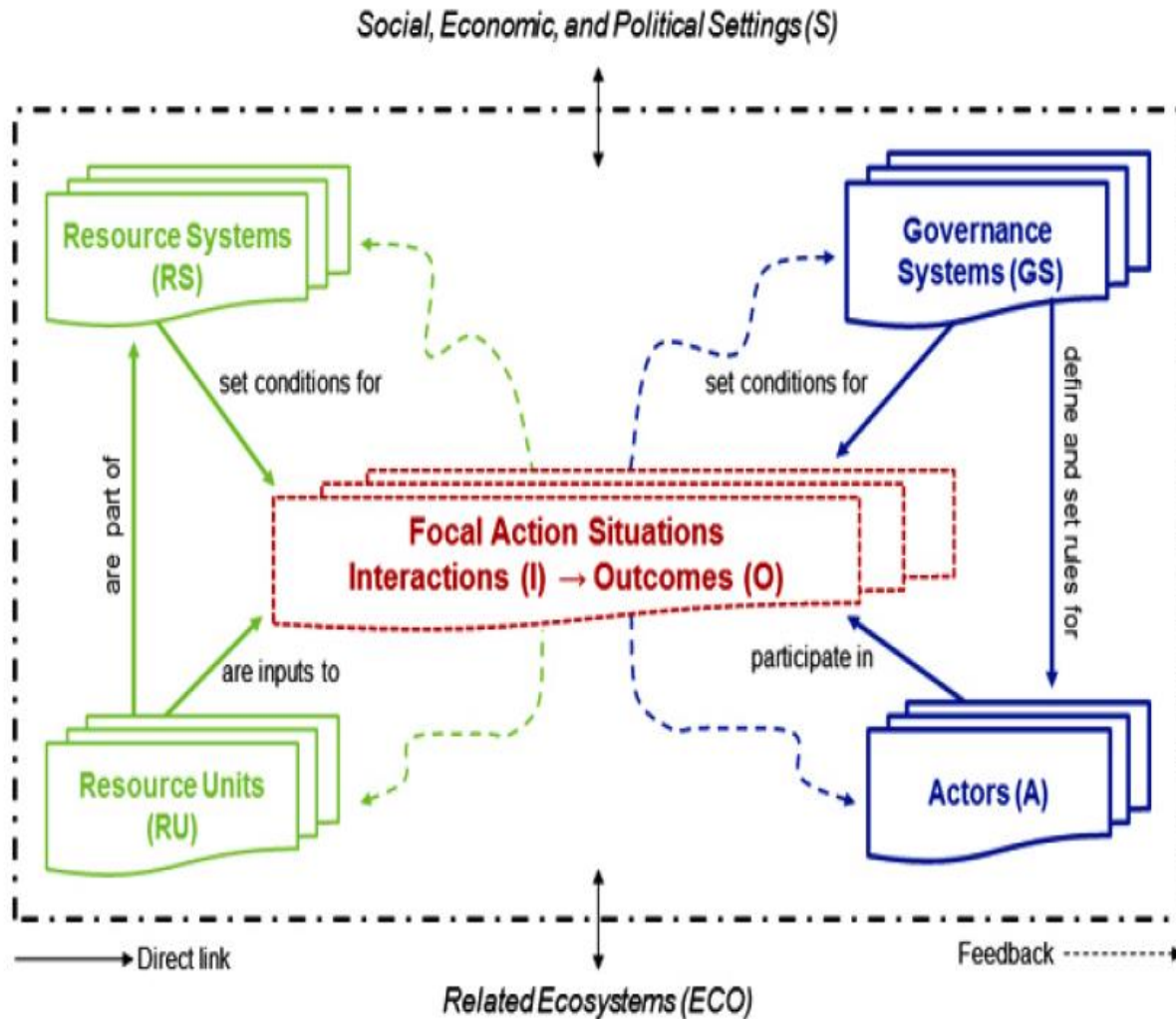
Underpinning	1. To develop and operationalise a conceptual framework of socio-ecological systems for the sustainability assessment of agro-ecological farming systems	2. To critically review drivers that may hinder or foster the successful implementation of agro-ecological approaches in EU farming systems, leading to improved management strategies	3. To develop and test new transdisciplinary methodological approaches to improve the assessment of the sustainability of agro-ecological farming systems
Primary analysis	4. To assess the social, economic and environmental performance of agro-ecological farming systems in comparison to conventional systems at farm, farm-group and territorial level, based on representative typology	5. To co-construct innovative management strategies for agro-ecological farming systems considering gender participation and farming demographics and to assess these in case studies reflecting the diversity of EU farming systems	6. To assess the territorial sustainability impacts of large-scale implementation of agro-ecological farming and to highlight environmental, economic and social synergies and trade-offs at regional, national and EU level
Policy and practice oriented outputs	7. To assess the effectiveness of co-constructed innovative market and policy incentives promoting agro-ecological farming systems to increase productivity, public good provision and job creation in the agricultural sector and rural areas in the EU	8. To test the feasibility of the practical implementation of innovative market and policy incentives through multi-actor engagement in case studies at farm level and at regional, national and EU levels	9. To improve the integrated capacity and knowledge sharing of end-users, stakeholders and scientists to address barriers for enhanced agro-ecological approaches informing recommendations for effective policy support for agro-ecological farming

Structure du projet UNISECO



Le concept de Système socio-écologique (Ostrom, 2009)

Les systèmes agricoles agro-écologiques dans leur contexte



Au-delà de la panacée

Barrières et leviers

- Une approche multi-niveaux
- L'agriculteur et son exploitation (**diversité et économie**)
- Les dynamiques collectives locales et non territoriales
- Le marché (**barrières et incitations**)
- Les politiques publiques

Collectifs de chercheurs et plateformes multi-acteurs

- 15 études de cas approfondies
- Plateformes régionales et plateforme européenne

Associer différentes formes de validation des connaissances

- Analyse qualitative
- Analyse statistique
- Analyse comparée
- Modélisation et scénarios
- Transdisciplinarité (approche participative)
- Essai/erreur (learning)

Intérêts, pertinence

Du niveau régional au niveau européen

Des façons de poser les questions, des concepts, des méthodes (et des résultats) issues de la diversité :

- des disciplines,
- des cultures
- des situations

Important pour nos activités de:

- Recherche
- Enseignement
- Appui au développement local