

Indicatori di biodiversità per la sostenibilità in agricoltura

Fabio Caporali

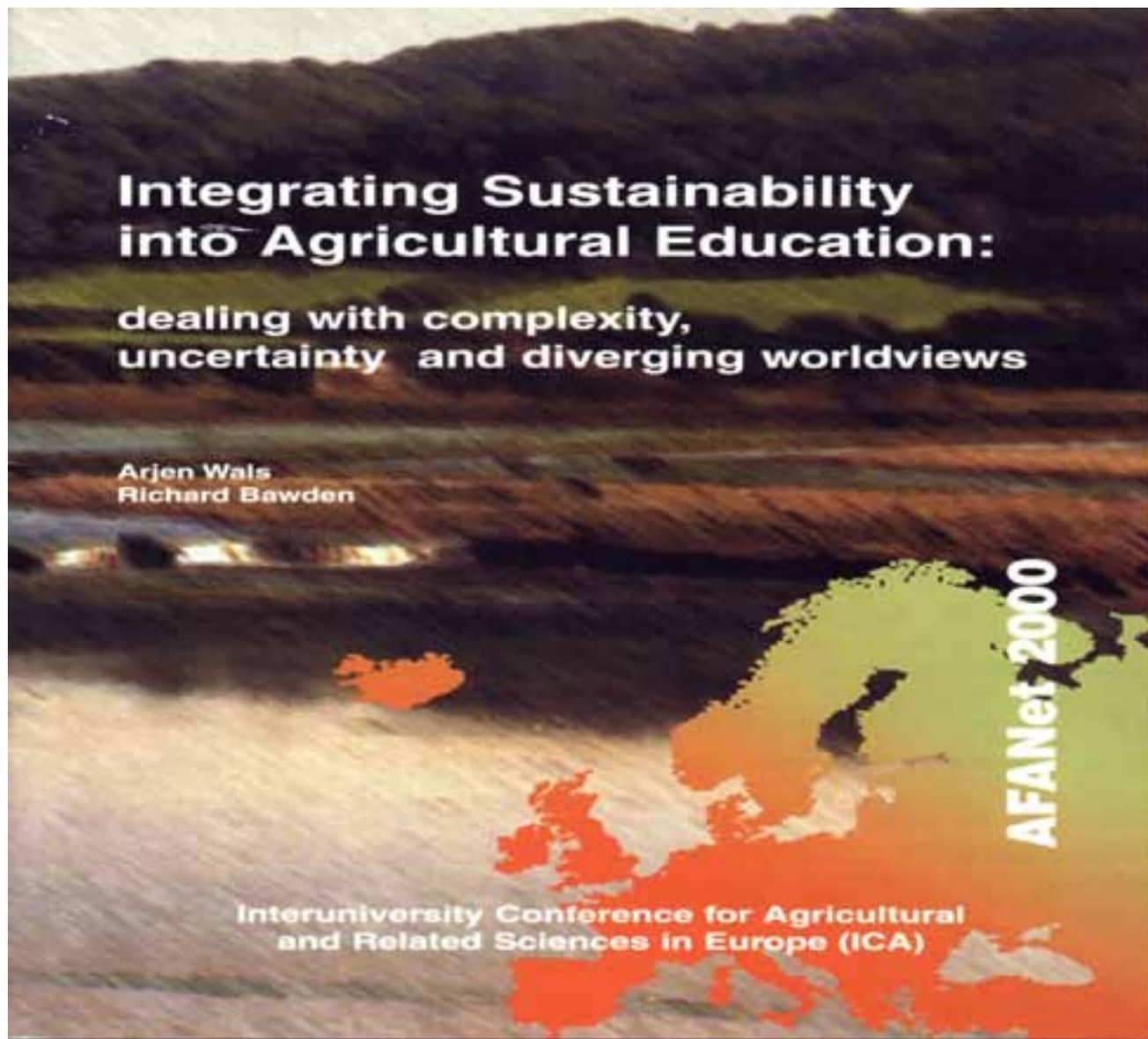
Università della Tuscia

As Scientists, we have to subscribe to a New Social Contract for Science

The new and unmet needs of society include:
more comprehensive information, understanding and technologies for society to move towards a more sustainable biosphere- one which is ecologically sound, economically feasible, and socially just (Lubchenco, J., 1998)

The Magna Charta of University

- The University is an autonomous institution that produces, examines and hands down culture by research and teaching
- Universities must give future generations education and training to respect the great harmonies of the natural environment and of life itself
- Universities regard the mutual exchange of information and documentation as essential to the steady progress of knowledge





Countries participating in ENOAT

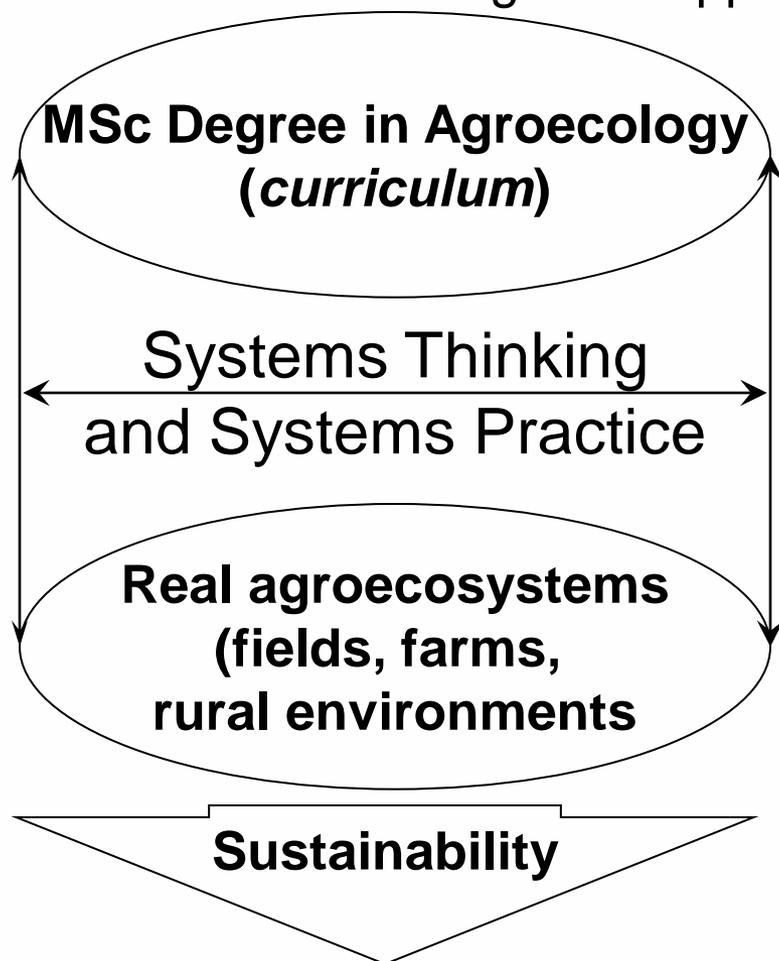
Organization of the MSc Degree Course in Agroecology

Contents and methods are based on an integrative approach called “systems paradigm”

Theory

Systems Paradigm (epistemological and ontological tools)

- Ecosystemic approach
- Input/output analysis
- Context culture
- Ethical and aesthetical issues
- Sustainability indicators



Praxis

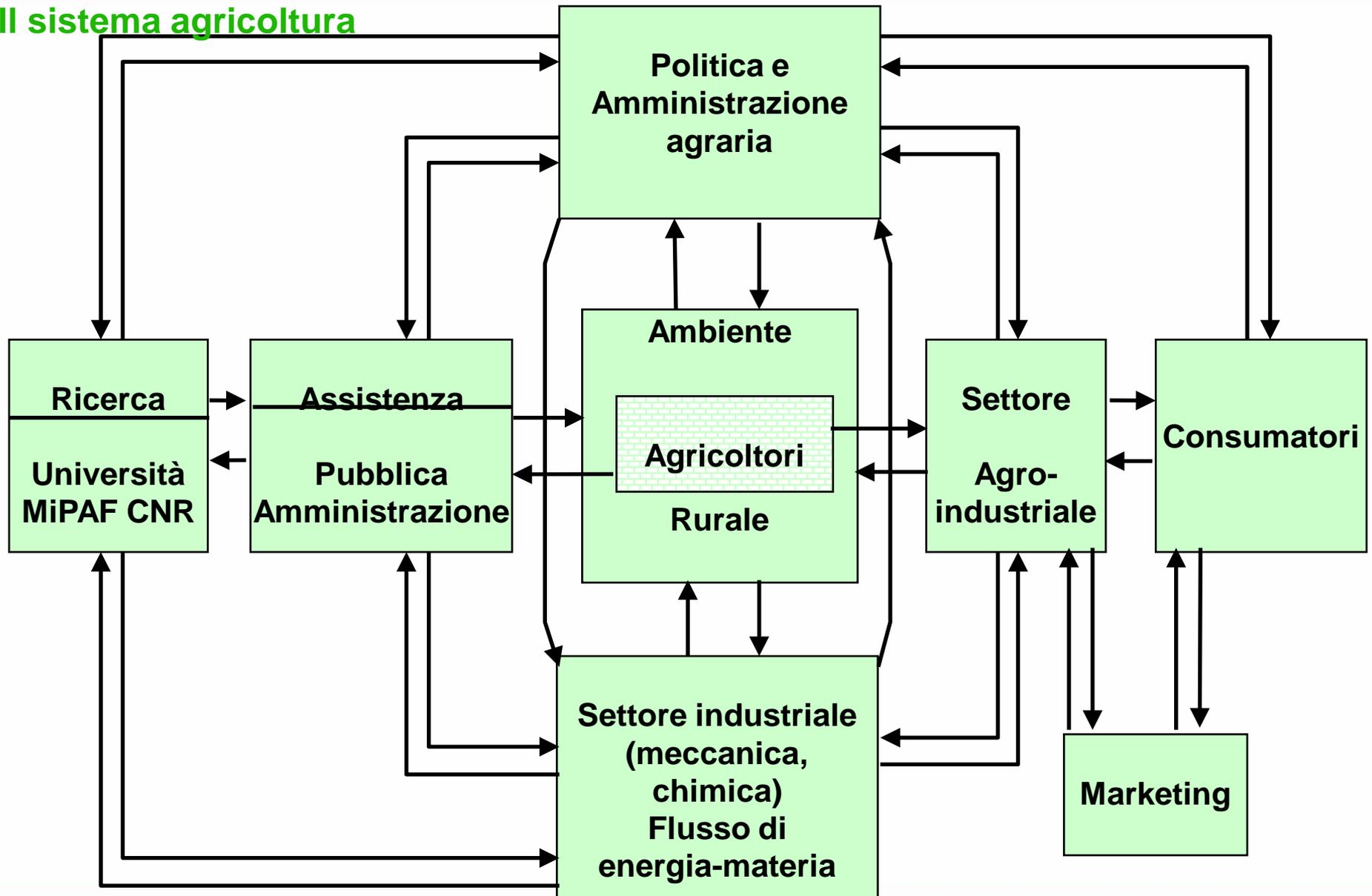
Systems Paradigm (methodological tools)

External

- Participatory research and learning
- Experiential learning
- Problem based learning

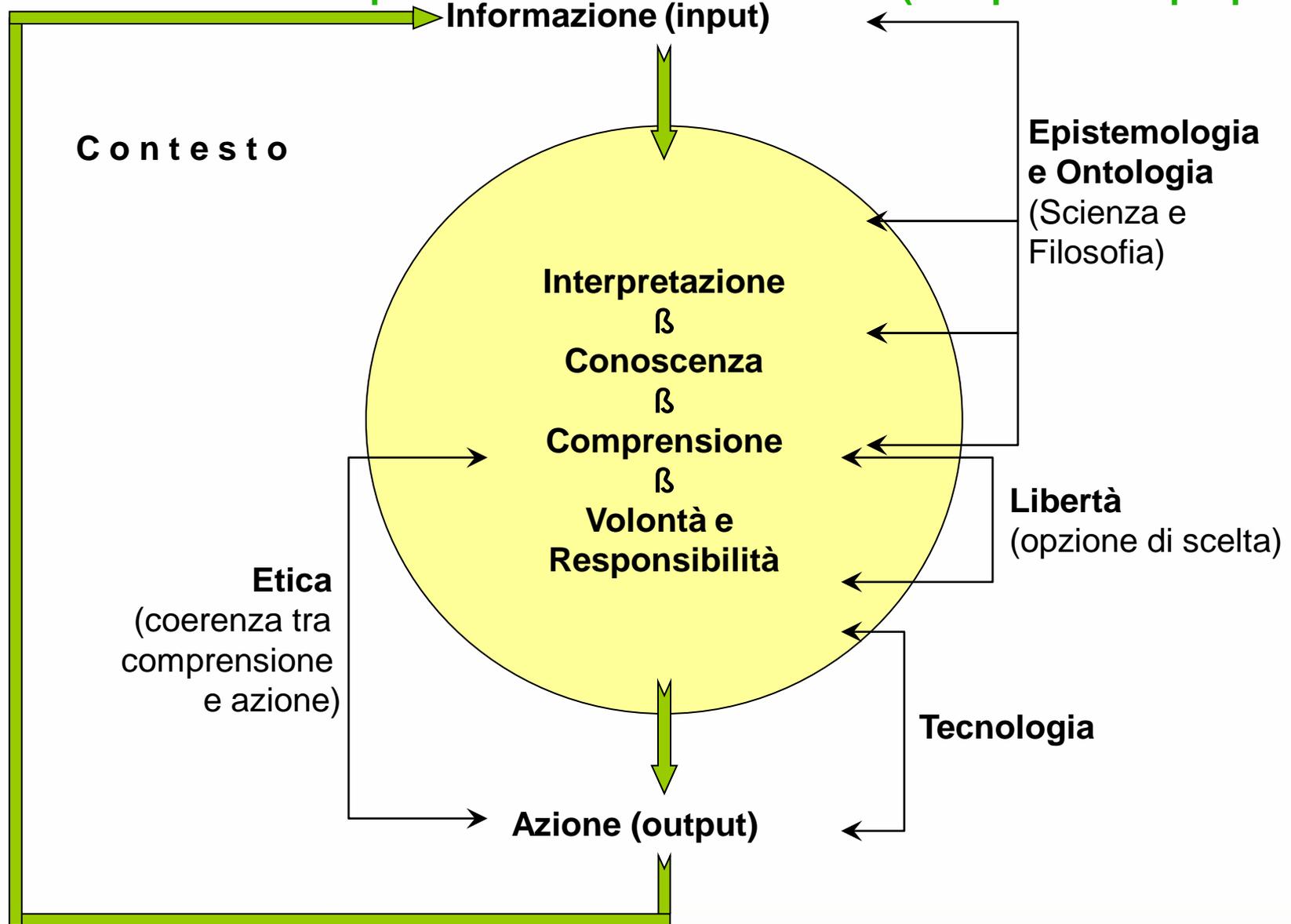
Internal

- Interdisciplinarity
- Trans-disciplinarity
- Team-teaching
- Flexible learning activities

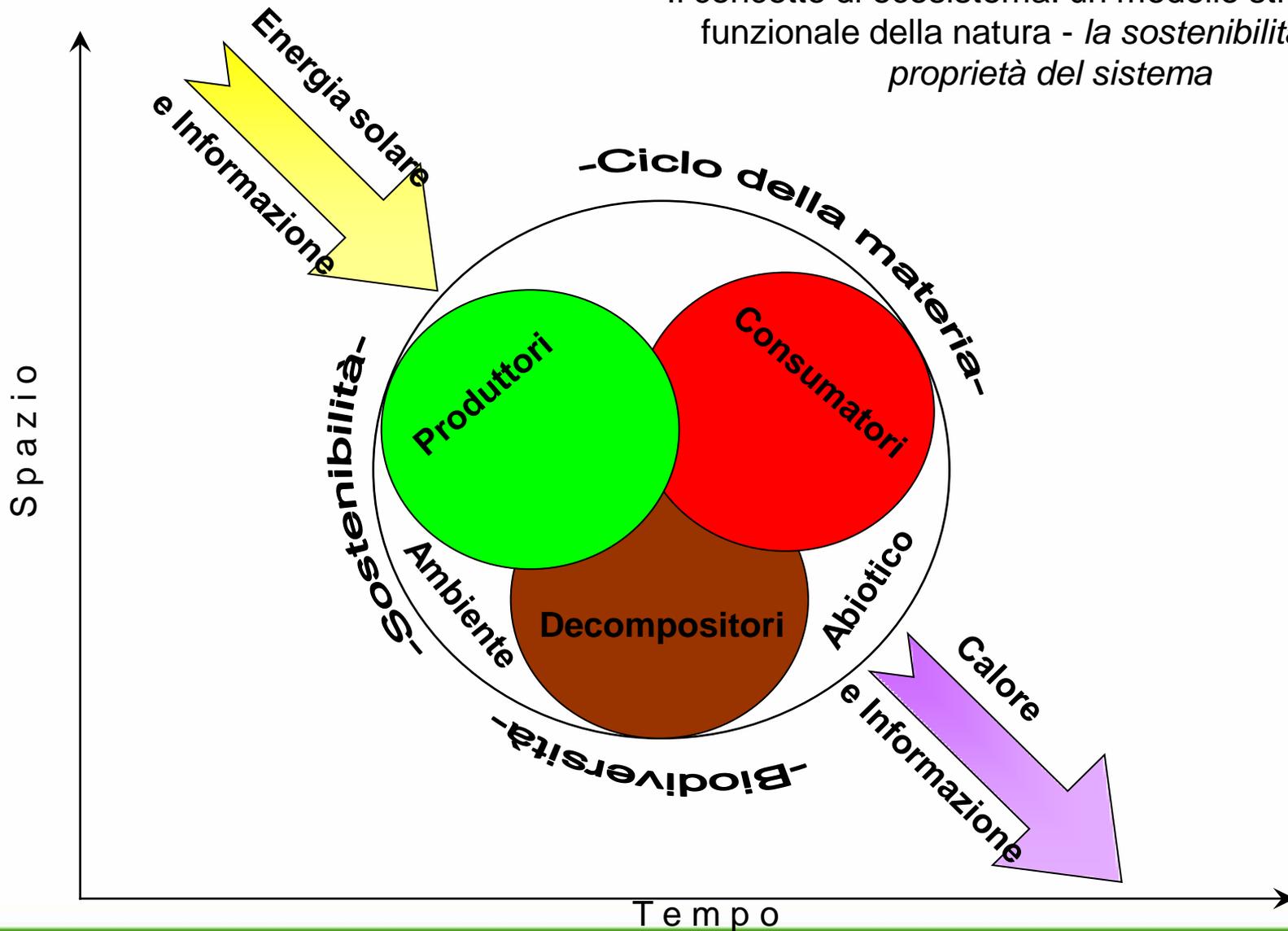
Il sistema agricoltura



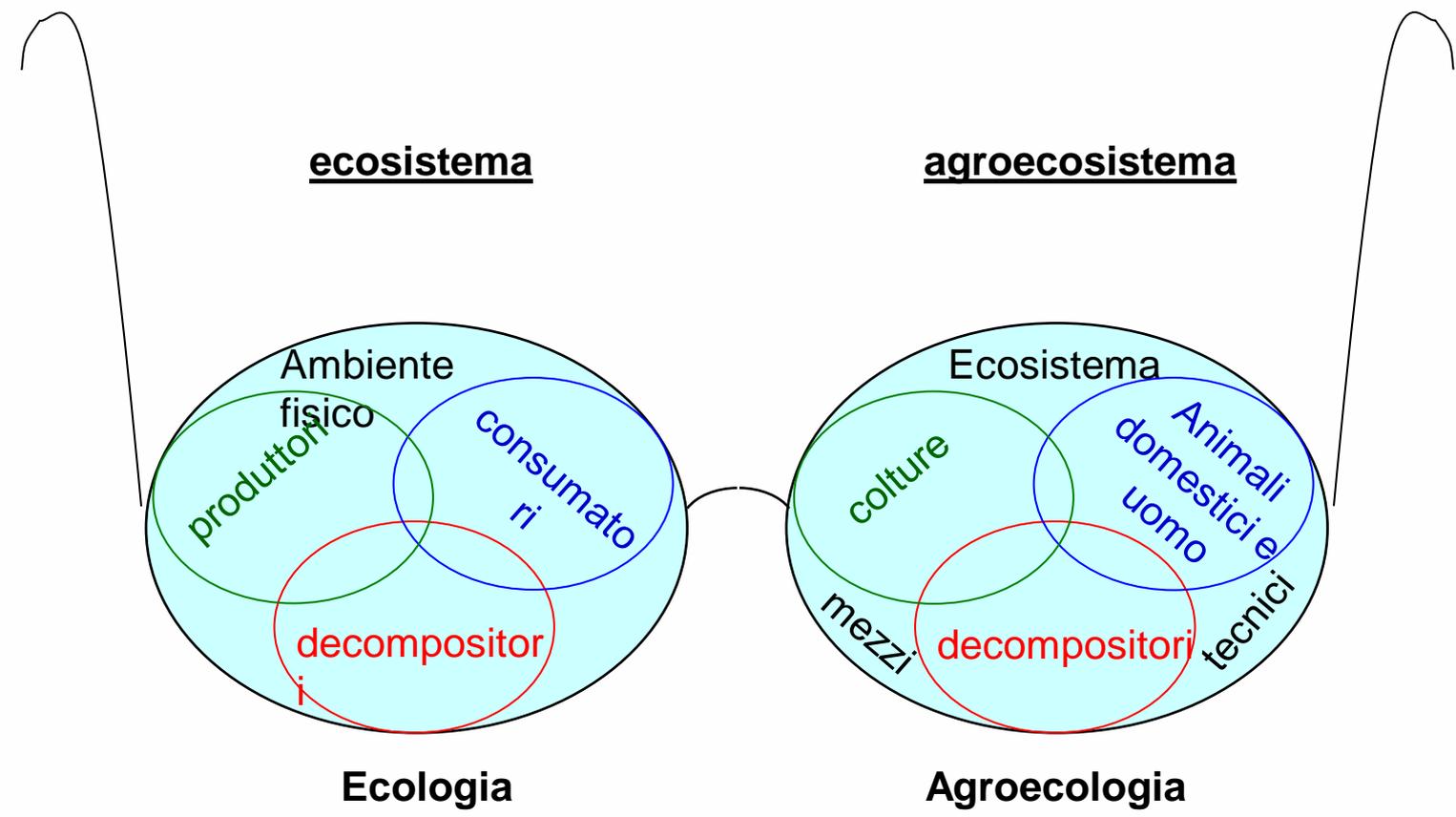
Concettualizzazione del processo decisionale umano (componenti e proprietà)



Il concetto di ecosistema: un modello strutturale e funzionale della natura - *la sostenibilità è una proprietà del sistema*



Gli "occhiali" dell'ecologia



Model of a farming system (Caporali, 1991).

