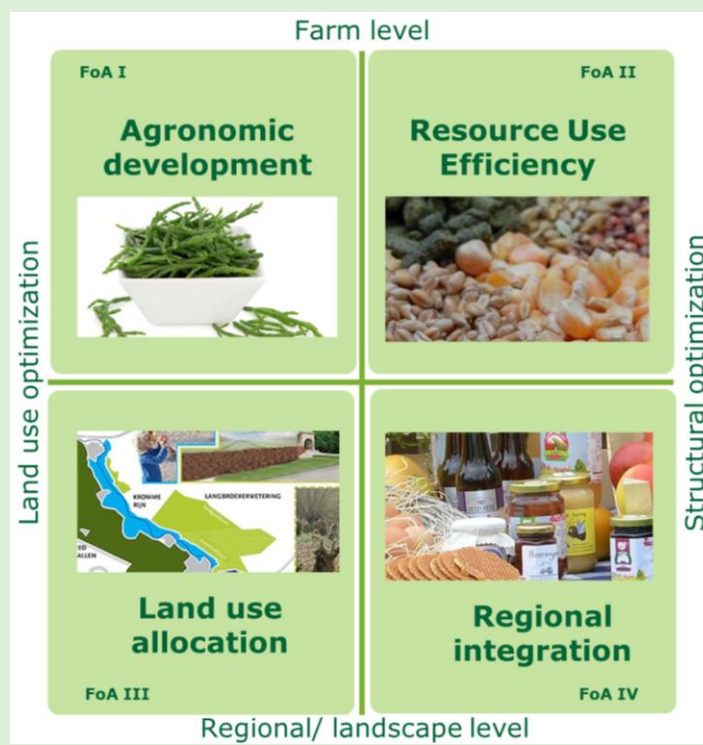


## RESULTS 2016-2017 AND OUTLOOK 2018-2019

### FOUR FIELDS OF ACTION<sup>1</sup>

- Sustainable intensification (SI) actions can be taken on farm level or regional level, affecting the land use or the production structure.
- Current: actions mainly focused on Fields of Action 2 and 3.
- Future: high potential and need for regional integration (Field of Action 4).

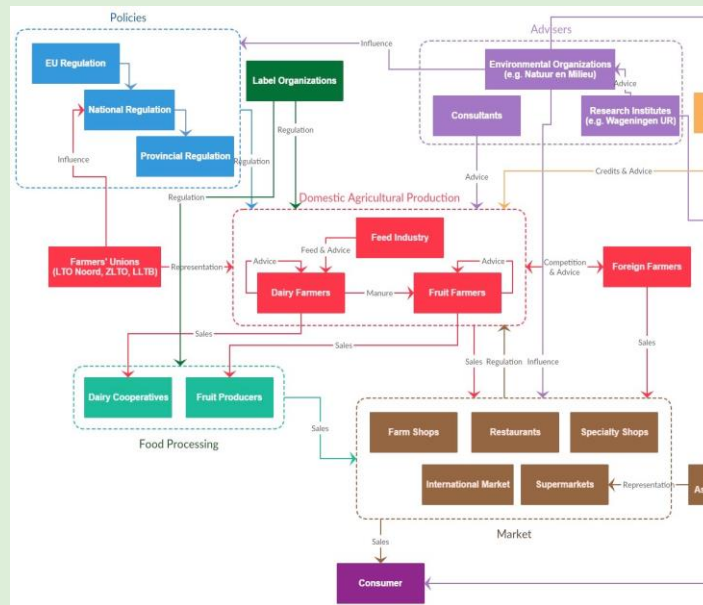


### OBJECTIVES

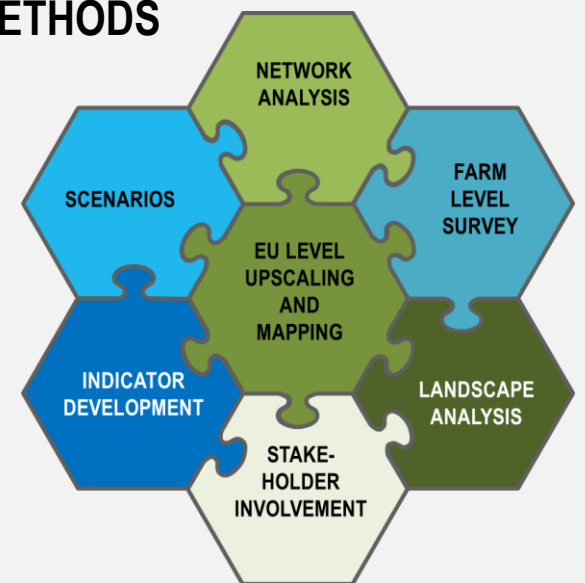
- Identify triggers and constraints for sustainable intensification (SI);
- Develop context dependent SI indicators;
- Understand interaction within network for transition to SI;
- Embed regional SI developments in EU contexts.

### STAKEHOLDER MAPPING

- Key role for public agencies.
- Farmers' organizations are crucial stakeholders.
- Need of formal structures of knowledge exchange – Advisers are needed.
- Communication between farmers and environmental agents is complex.

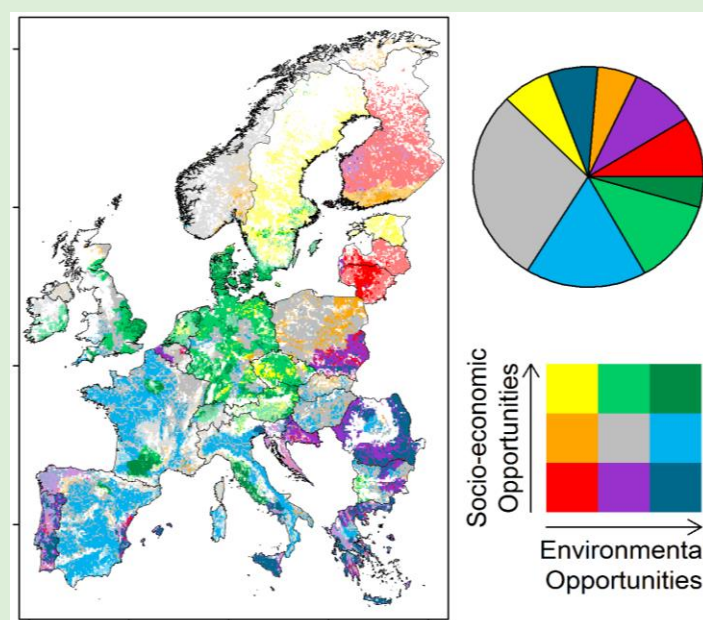


### METHODS



### EU OPPORTUNITIES FOR SI<sup>2</sup>

- Erosion, inefficient water use and suboptimal land use set a need for SI in 65% of Europe's arable land.
- Socio-economic opportunities limit potential implementation of SI measures.
- High opportunities of SI exist in 34% of the EU's arable land.



### VITAL FUTURE 2018-2019

- Social Network Analysis: Key actors of change and potential for action
- Farm-scale and landscape analysis: Triggers and constraints for change
- European scale data and scenario analysis: What could be changed?
  - Biomass use, human and livestock diets
  - Land systems

### REFERENCES

1. Weltin, M., Zasada, Piorr, Debolini, Geniaux, Morena Perez, Scherer, Tudela Marco, Schulp, 2017. Conceptualising fields of action for sustainable intensification – A systematic literature review and application to regional case studies. Agriculture, Ecosystems and Environment, Submitted.
2. Scherer, L.A., Verburg, Schulp, 2017. Opportunities for Sustainable Intensification in European Agriculture. Global Environmental Change, Submitted.