

## The challenges

### Economic

- More volatile producer prices.
- New competitors in internationalized and liberalized markets.
- Upstream and downstream market power along the value chain.
- Increasing dependence on non-farm land owners and financial institutions.

### Social

- Demographic change.
- Increasing urbanization.
- Changing policies and political risks.
- Changing societal concerns and consumer preferences.

### Environmental

- Unusual weather patterns and higher risks of extreme weather events.
- Land degradation.
- Concerns on water and energy availability.

Agricultural production

Farm demographics

## The objectives

- 1 Identify the determinants of resilience.
- 2 Improve farmers' risk-related decisions and management.
- 3 Assess farm demographic changes and their links to labour markets.
- 4 Evaluate the current policy framework and develop resilience enhancing policy options.
- 5 Make integrated long-term projections of farming system resilience.
- 6 Identify pathways to implement a resilience enhancing environment.

Governance

Resilience thinking

## The Consortium

16 partners coordinated by Wageningen University

### Universities

Universitetet i Bergen (UiB), Norway  
 Sveriges Lantbruksuniversitet (SLU), Sweden  
 Universidad Politécnica de Madrid (UPM), Spain  
 Università degli Studi della Tuscia (UNITUS), Italy  
 Aberystwyth University (Aber), United Kingdom  
 Katholieke Universiteit Leuven (KU Leuven), Belgium  
 Georg-August-Universität Göttingen (UGOE), Germany  
 University of Gloucestershire (UoG), United Kingdom  
 University of National and World Economy (UNWE), Bulgaria  
 Eidgenössische Technische Hochschule Zürich (ETH Zürich), Switzerland  
 Wageningen University & Research (WUR), Netherlands

### Research Institutes

Instituut Voor Landbouw En Visserijonderzoek (ILVO), Belgium  
 Institut National de la Recherche Agronomique (INRA), France  
 Institute of Agricultural Economics (IEA-AR), Romania  
 Instytut Rozwoju Wsi I Rolnictwa Polskiej Akademii Nauk (IRWiR PAN), Poland  
 Leibniz-Institut für Agrarentwicklung in Transformationsökonomien (IAMO), Germany

## Case studies

- 1 Intensifying dairy farming.
- 2 Extensive beef and sheep farming.
- 3 High-value egg and broiler farms.
- 4 Private family fruit and vegetable farms.
- 5 Extensive beef cattle systems.
- 6 Intensive arable farming with large amounts of rented land.
- 7-8-9 Large-scale corporate crop farms.
- 10-11 Small scale farms.

## The stakeholder involvement

- Local co-creation workshops.
- Virtual co-creation communities.
- Annual co-creation meetings.

## How to achieve the objectives

- 1 Defining scenarios of stressors.
- 2 Developing improved risk management tools.
- 3 Creating a farm demography assessment tool.
- 4 Designing a novel policy resilience assessment tool.
- 5 Building an integrated assessment tool.
- 6 Designing an enabling environment.



**RESILIENCE**  
 ROBUSTNESS | ADAPTATION | REORIENTATION



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