**Integrating agroecology with the downstream: non-food value chains**
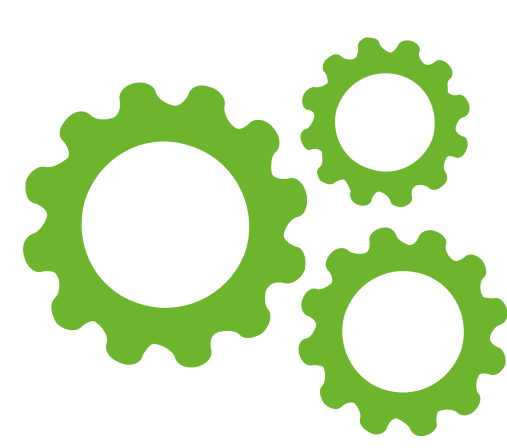
# AGRI Innovation
## summit 2019

## H2020 Multiactor Project
## DiverIMPACTS
DiverIMPACTS

## Practical problem
Crop diversification is a key driver for sustainability but is hindered by technical and socio-economic barriers at the farm and value chain levels.

## Partners
33 partners across 11 countries (farming, advisory, industry, research and education), see https://www.diverimpacts.net/partners.html)

## Calendar
Start: 01/06/2017
End: 31/05/2022

## Budget
Total amount:
€11,188,942

## Objectives of the project
Crop diversification will only emerge if benefits to farmers and society are demonstrated, if value chains are engaged and if the sociotechnical regime is adapted. Objectives are: Demonstrate the benefits of crop diversification through a set of field experiments and multi-actor case studies; Co-design, with actors, technical and organisational innovations and adapt existing multi-criteria assessment methods; Remove barriers and promote enablers to crop diversification at the farm, value-chain and local levels; Make long-term recommendations for the agricultural system as a whole, including value-chain, research, education, advisory systems as well as policy and regulation.

## Main activities
Identify success and failure factors associated with crop diversification experiences; Develop a learning-for-innovation methodological platform adapted to crop diversification; Quantify the direct and indirect impacts of crop diversification all along the value chain; Design a multi-criteria assessment decision-support tool to drive crop diversification; Develop logistic and contractual schemes as well as economic instruments to overcome current barriers; Create a long-term network of actors beyond the project lifetime; Design a new training and education strategy; Establish a framework for policy analysis and recommendations for tailored policy instruments.

## Expected results
Higher arable land productivity; Diversified and increased farmers' revenues; Lower environmental impact and reduced use of pesticides, fertilisers, energy and water; Improved delivery of ecosystem services; Organisation of resource-efficient downstream value chains; Market provision of food, feed and industrial products; Increased awareness and knowledge/data exchanges among actors.

## Results so far/first lessons
A *R Shiny* application was developed to explore meta-analyses on crop diversification; 10 field experiments were adapted to combine diversification strategies; 25 case studies engaged in a co-innovation approach to remove barriers at the value chain level; A cluster on Crop Diversification was initiated with other H2020 projects related to crop diversification: ReMIX, DIVERSify, Leg-Value, TRUE, Diverfarming; A minimum set of 21 sustainability criteria and 29 indicators was defined to assess impact; A review of current policy instruments and their role on crop diversification was conducted.

## Who will benefit
Farmers through experience and practical results on potential benefits of crop diversification and on how to drive their crop diversification in their local context. Value chain actors through the development of new products, logistic and contractual schemes as well as economic instruments to overcome barriers. Policymakers through recommendations and instruments to take stock of benefits of crop diversification; Consumers and society through increased awareness of real benefits and limits of crop diversification. All actors through a multi-criteria assessment of benefits and drawbacks in terms of technical and economic performances as well as social and environmental services.
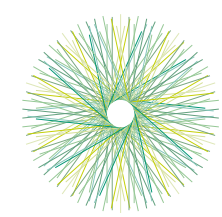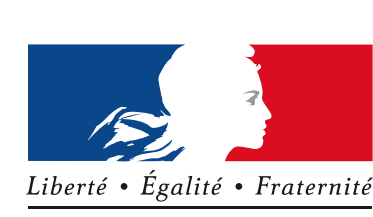
**Contact:** Antoine Messéan
**Mail:** antoine.messean@inra.fr