

Project implementation

Case study regions

TALE addresses the effects of different land-use structures and land-use intensities in a set of European agricultural landscapes using selected **site-specific measures** of biodiversity and ecosystem services (ESS). Therefore, TALE is organized in **five work packages** (WP) which jointly deal with **five case study areas** to represent the diversity of Europe's landscapes and socio-economic conditions.

Case Study	Country	
Broye Catchment	Switzerland	
Saale-/Mulde River Basins	Germany	
Kromme Rijn	Netherlands	
Cega-Eresma-Adaja	Spain	
Mostviertel	Austria	

Dissemination strategies

Research results in TALE will be published in **policy briefs** and made available to decision makers but also to the general public. Moreover, the project provides a **platform** for the **exchange** of methodologies and scientific approaches to enhance mutual learning and to amend instruments for future challenges.

Our vision: Effective stakeholder integration to i) integrate their knowledge; ii) feedback our research results back to practitioners, and iii) provide support for the major challenges in the case study areas.

Who are the stakeholders?

- Farmers
- Politicians
- Administrative staff
- NGOs
- Scientists

What can stakeholders expect from TALE?

- A set of policy options to best reconcile food production, biodiversity and ESS provision;
- Insights on the scale dependence of optimal land use strategies (land sharing and sparing);
- An evaluation of the robustness of alternative management options based on stakeholder-based scenarios of change;
- A learning environment where scientists, practitioners, policy makers and students can exchange knowledge in the context of this study and where study results can be made available.



Towards multifunctional agricultural landscapes in Europe:

Assessing and governing synergies between food production, biodiversity, and ecosystem services

- TALE

TALE is an interdisciplinary research project funded within the framework of BiodivERsA/FACCE-JPI (duration April 2015 - March 2018)

TALE concept and structure



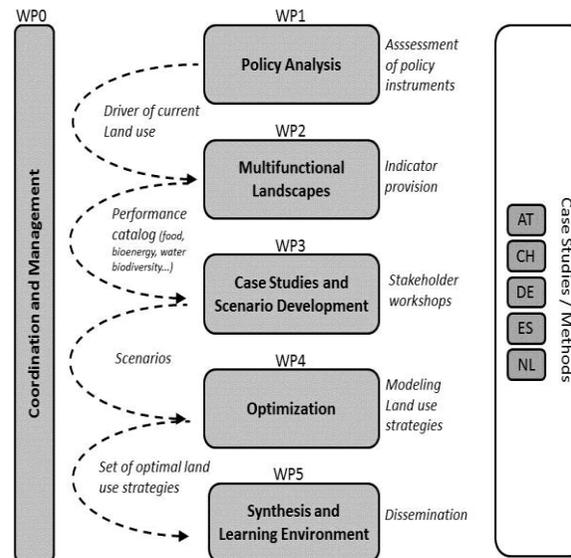
Project background

The pressure on natural resources increases due to multiple competing demands for land. The resulting demand driven land use changes come at a cost in the form of **trade-offs between food or bioenergy production, biodiversity conservation and other ecosystem services (ESS)** like clean water, erosion control or soil fertility. By **assessing and governing synergies** between food production, biodiversity and ecosystem services, TALE will **develop related strategies**.

Across Europe **countries differ** regionally with respect to biodiversity, landscape structure, structure of the agricultural sector, conflicts regarding the provision of ESS (e.g. production vs. soil protection or water provision) with regard to preferences for particular agricultural ESS (e.g. provisioning vs. regulating or cultural services). **Integrated approaches** are required that cover a representative range of ESS over contrasting case study landscapes. Within TALE the ESSs are defined by a set of **common indicators** to be quantified in each case study region. By providing **regional indicator assessments**, TALE enhances the **knowledge base** on ESS provision across Europe. Common methods and **tools** are applied to allow for **comparability** and to enable the transferability of case study results and related implications to other regions in Europe.

Specific aims of TALE are

- to disentangle and quantify the multifaceted links between agricultural production, biodiversity and ecosystem services in different European landscapes; and
- provide a learning environment that supports the design and evaluation of policy options that can help to reconcile conflicting demands, while at the same time ensuring the provision of ESS and conservation of biodiversity.



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Please also visit the **TALE website**:
www.ufz.de/tale