



# **“To develop sustainable legume-based farming systems and agri-feed and food chains in EU”**

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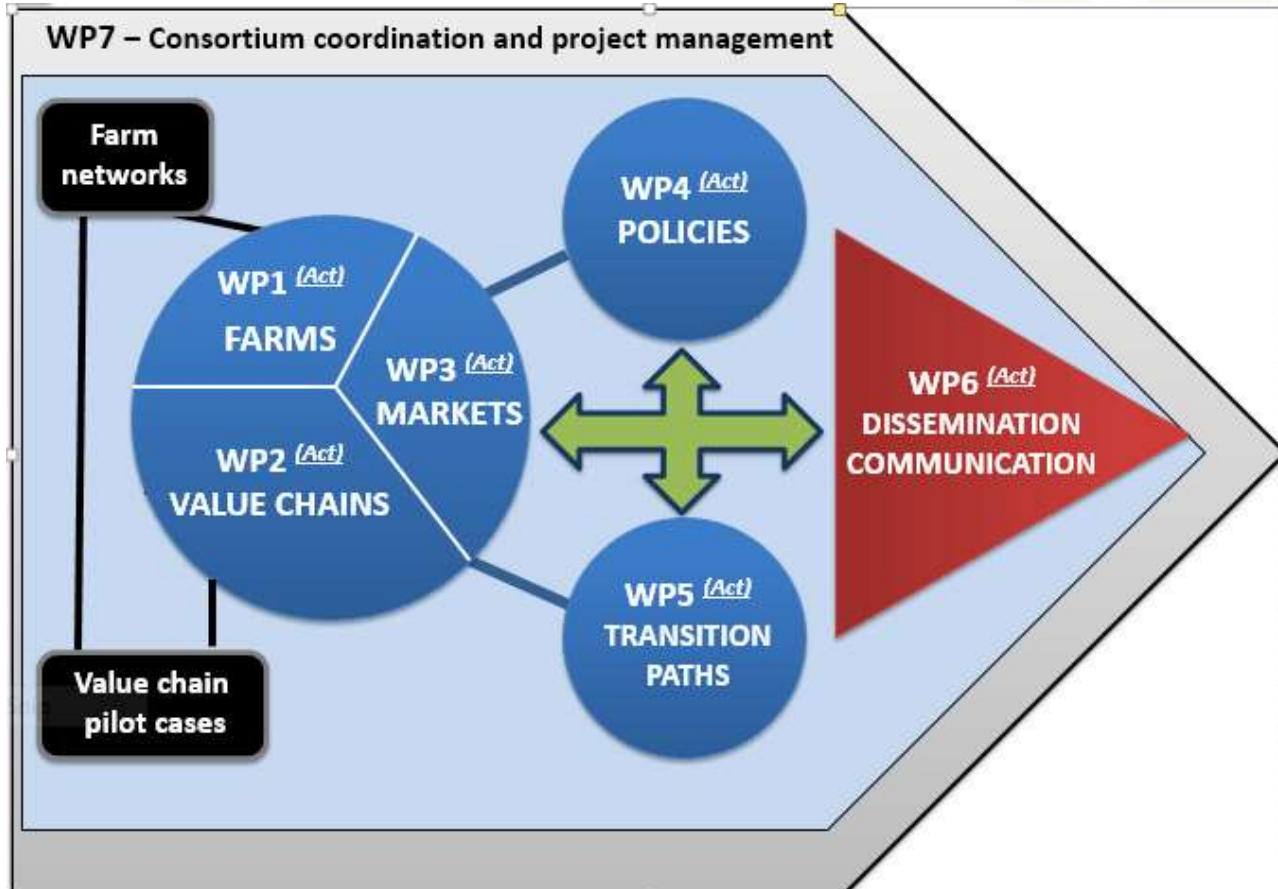
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# LegValue Project

## LEGVALUE OBJECTIVES

- To **Develop** sustainable and competitive legume-based farming systems and agri-feed and food chains in the EU.
- To **Assess** economic & environmental benefits for the EU agro industry to support widespread sustainable legume production.
- To **Demonstrate** the added value of various existing legume value chains in the EU.
- To **Provide** a range of alternative solutions to improve the economic situation of each actor involved in legume supply chains.
- To **Contribute** to EU self sufficiency with regards to the production and consumption of legume proteins.



N°	Participant organisation name (acronym)	Country
1	Terres Inovia (TERIN)	France
2	Institut de la Recherche Agronomique (INRA)	France
3	Alma mater studiorum – Universita di Bologna (UNIBO)	Italy
4	Stichting dienst landbouwkundig onderzoek (DLO)	The Netherlands
5	Fachhochschule Südwestfalen (FH-SWF)	Germany
6	PGRO Research Limited (PGRO)	United Kingdom
7	INRA Transfert (IT)	France
8	Research Institute of Organic Agriculture (FiBL)	Switzerland
9	Wageningen University (WU)	The Netherlands
10	Universität Hamburg (UHH)	Germany
11	Chambre Régionale d'Agriculture de Normandie (CRAN)	France
12	Institut für Lebensmittel- und Umweltforschung eV (ILU)	Germany
13	VALOREX SAS (VAL)	France
14	AICF Agro Inovação (AICF)	Portugal
15	Instituto Nacional de Investigação Agrária e Veterinária (INIAV)	Portugal
16	Terres Univia (TUN)	France
17	SEGES PS (SEGES)	Denmark
18	ADAS UK Limited (ADAS)	United Kingdom
19	Latvian Rural Advisory and Training Centre (LLKC)	Latvia
20	Roskilde Universitet (RUC)	Denmark
21	Association de coordination technique pour l'industrie agroalimentaire (ACTIA)	France
22	Scuola superiore di studi universitari e di perfezionamento Sant'Anna (SSSA)	Italy
23	Università di Pisa (UNIPi)	Italy
24	Lietuvos agrariniu ir misku mokslucentras (LAMMC)	Lithuania

## OVERVIEW of the outcomes through the webinars

Planning of the webinars organized by LegValue and TRUE

- <http://www.legvalue.eu/conference/>
- A story telling on grain legumes through 8 webinars organised from 14<sup>th</sup> of April until 11<sup>th</sup> of May 2021
- Gathering outputs coming from EU projects dealing with legumes
- Targeted to the stakeholders and decision makers

Invitation to attend the webinars

## Digging-in to legumes and the potential of the Legume Innovation Network (14th April)

A summary of the legume-situation and introduction to the webinar series.

Contribution of EC representatives and general presentations of the current situation in agriculture, environment issues and food transition, and legume contribution

Organisers: Roger Vickers (LegValue/TRUE); Frederic Muel (LegValue); Pete Iannetta (TRUE)

### 2. Optimising legume production (20th April)

A farm level examination of farmer attitudes, activities, and approaches.

Using studies of success stories to illustrate opportunities in crop management and variety availability to demonstrate ecosystem service benefits, environmental impact, plus the contribution to health, nutrition, and the economy.

Organisers: Marie-Hélène Jeuffroy (LegValue); Henrik Nielsen (Remix/ LegValue)

Literature review of the agroecosystem services gained from various legume crops and legume-based systems, including the drivers of their variability.

Map of the current cropping systems in the studied EU-areas

Database of on-farm legume-based systems (ecosystem services)

Map of achievable legume yields across studied EU-areas

Quantification of environmental impacts for scaling out legume-based cropping and grassland systems in Europe.

Calculation tool for farmers

Decision-support system for the choice of legume-based cropping systems



# Legume based value chains, farm gate and beyond and the market (22nd April)

Exploring how markets are organised, value added, and their transparency.

Illustrating how success stories function in the value chain through processing to the commodity market.

Organisers: Marie-Benoit Magrini (LegValue); Markus Mergenthaler (LegValue)

legume-based value/supply chains sector diagnosis

Benefits and constraints of the operators of the legume-based supply chains, with a synthesis on main technological and organizational innovation in various supply chains.

Impacts of processing, quality parameters and organisational design on added value and how it is shared among the actors.

EU legume markets

Report on price setting mechanisms

Market information tools available allowing actors along the EU legume supply chain to benefit from case studies to better develop their specific legume market.

### The diversity of end uses for legumes (27th April)

Exploring developments in the feed and food industries.

Focussing on consumers and citizens, exploring the European feed and food system with a focus on health and nutrition.

Organisers: Corinne Peyronnet (LegValue); Marta Vasconcelos (TRUE)

Inventory of the various technological processes applied in legumes and the diversity of food products, based on case studies, surveys and literature.

legume food development in catering

Quality management for different markets

### Pushing the boundaries in legume breeding (29th April)

The goals and objectives in legume breeding, the gaps, the gap opportunities, and management of expectations.

Demonstrating the success of legume breeding. Highlighting the level of investment, the gaps, and opportunities for the market. Exploring the barriers to greater success and indicating where innovation can and is being successful in influencing feed and food value for the benefit of health, nutrition, and the environment. Introducing how breeding links with science. How can the whole value chain support research rather than just the farmer

Organisers: Roger Vickers (LegValue/TRUE); Frederic Muel (LegValue)

EU breeding on legumes (public and private)



### Science, innovation, and the empowerment of legumes (4th May)

Insights from strategic science is ready and organised to deliver solutions for stakeholders involved in the value chains to increase legume production and use.

Exploring the success of science in delivering knowledge and how the science is integral to the network standing ready to facilitate innovation in the value chain. How the science community is ready to engage with industry to create a functional network for information exchange and co-innovation.

Organisers: Paolo Annicchiarico (International Legume Society); Pete Iannetta (TRUE)

# The role of policy in the transition of legume production and consumption in Europe (6th May)

This webinar will introduce joint lessons from the TRUE-LEGVALUE policy-relevant studies and initiate a rethinking of how "policy understanding" can help to transform our food system to be more legume-based. The potential impact and contribution of policy instruments in scenario-based transition pathways towards greater legume production and consumption will be discussed. Participants are expected from the complete legume innovation helix promoting the industry, science, policy, civil society interactions.

Organisers: Chris de Visser (LegValue); Davide Viaggi (LegValue); Balint Balazs (TRUE)

Analysis of current policy settings and their effects on legumes

Future policy needs and options

Policy guidelines and good practices to boost legume cultivation in the EU

Transition pathways for European legume-based value chains. Description of the successful transition pathways identified showing how stakeholders can support the upscaling of the legume-based value chains.

### Roundup: Bringing the Legume Innovation Network together (11th May)

A synthesis of the key messages for growers and markets and end users throughout the supply and value chain, with a summary for policy makers, and a roadmap for the Legume Innovation Network.

([www.legumeinnovationnetwork.eu](http://www.legumeinnovationnetwork.eu) )

Organisers: Frederic Muel (LegValue); Pete Iannetta (TRUE); Roger Vickers (LegValue/TRUE)

LegValue website

Communication portfolio

Final LegValue conference-webinars

## LegValue

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## Thank you

[www.legvalue.eu](http://www.legvalue.eu)



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