

## VALUMICS Participants



## Stakeholder involvement



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727243



### 21 participating organisations

The consortium driving the VALUMICS project has a core of 19 European partners from 14 countries, and two Asian partners, China and Vietnam.



The VALUMICS consortium was designed to achieve the overall objective of providing decision makers throughout food value chains with a comprehensive suite of approaches and tools that will enable them to evaluate the impact of strategic and operational policies.

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## Understanding food value chains and network dynamics



**VALUMICS**

Food Systems Dynamics  
Horizon 2020 funded research and innovation project



## Objectives of the VALUMICS project

The overall objective of the **VALUMICS** project is to provide decision makers throughout food value chains with a comprehensive suite of approaches and tools that will enable them to evaluate the impact of strategic and operational policies to enhance the resilience, integrity and sustainability of food value chains for European countries.

The **VALUMICS** project will implement a holistic approach and causality based system framework, supported by new advances in theory, modelling and data gathering, which is required to capture and understand the dynamics and interactions in food systems.

**VALUMICS** will provide improved understanding and models underpinning policy recommendations, enabling advice aimed at decision makers with key roles and required capacity to enhance the resilience with respect to sustainability of strategic food value chains in Europe.

## Project budget

### Budget:

Total budget of 6.3 million EURO, EU Grant of 6 million EURO

### A four year project:

1 June 2017 to 30 May 2021

## Main activities

Work structure organized and phased flow of work processes:

### Phase 1: Development phase

Fundamental groundwork.

### Phase 2: Integration phase

Case studies, data gathering primary and secondary analysis.

### Phase 3: Exploration phase

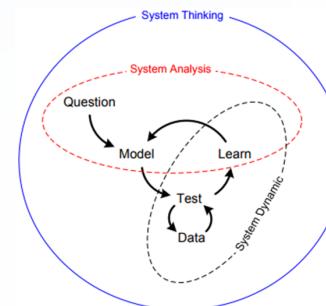
Integrated quantitative model leading to future studies.

### Phase 4: Policy and use phase

Fit for purpose tests and scenarios.

## Overall approach and methodology

For the **VALUMICS** project, the causality dynamics framework will be applied as a methodological approach, and will be implemented as a key driver of the project work through the joint workshops with all WPs and stakeholders. The causality loop framework will be built with involvement of all participants.



## Expected outcomes

### VALUMICS will:

Improve knowledge on food chains and their underlying drivers.

Deliver a comprehensive assessment of all dimensions of the sustainability, performance and resilience of food chains and their contribution to jobs and growth, both territorially and at EU level.

Improve capacity to model the sustainability and resilience of food chains.

Enhance capacity to assess the functioning of value chains, upstream and downstream chain flows, and price transmission along the chain.

Increase capacity to map the occurrence of unfair practices in the food chain and develop approaches to assess their impact.

Clarify the development of added value and profit margins in food value chains and how these are distributed at each level.

Increase understanding of how consumers' demand and consumption patterns affect the organization of food chains (and vice versa), and their sustainability and resilience.

Improve the capacity of relevant policies and food chain stakeholders to improve food chain sustainability and resilience.