



## Operational Group:

Waste2Value - Valuation of agricultural by-products for animal feed, biodegradable plastics and treatment of animal effluents



### Practical problem

There is a need to reduce antibiotics in animal feed, as well as a strategy for mitigation of by-products in the agricultural sector in Portugal.

Waste2Value creates alternatives and novel products answering both problems by adding value and minimizing the use of antibiotics and resources

### Partners

#### Type:

Research:

#### Name:

Instituto Politécnico de Viseu  
Universidade de Aveiro

Agri Association:

ANCOSE – Associação Nacional de Criadores de Ovinos da Serra da Estrela

LAG Association:

ADDLAP – Assoc. de Desenvolvimento Dão, Lafões e Alto Paiva

Agri Enterprise:

Ervital - Plantas Aromáticas e Medicinais, Lda  
Indumape – Industrialização de Fruta, S.A.  
Ovargado, S.A.  
Vasco Pinto & Agostinho Sousa, Lda – Agricultura Biológica

Other Company:

Silvex - Indústria de Plásticos e Papéis, S.A.

### Project

#### Objectives:

Employ agricultural by-products to:

- obtain value-added compounds and apply them as feed ingredients;
- reduce/eliminate antibiotics in feed;
- use biopolymeric materials for agricultural biodegradable plastic films;
- obtain carbonaceous materials for treating animal effluents

#### Expected results:

- Characterization of plant by-products and animal effluents;
- Holistic separation of by-products according to nutritional, phytobiotic and prebiotic profile;
- Valuable compounds incorporated into animal feed formulations; reduction/elimination of antibiotics;
- Preparation of biopolymers for biodegradable films for agricultural applications;
- Treatment of animal effluents.

#### Results so far/first lessons:

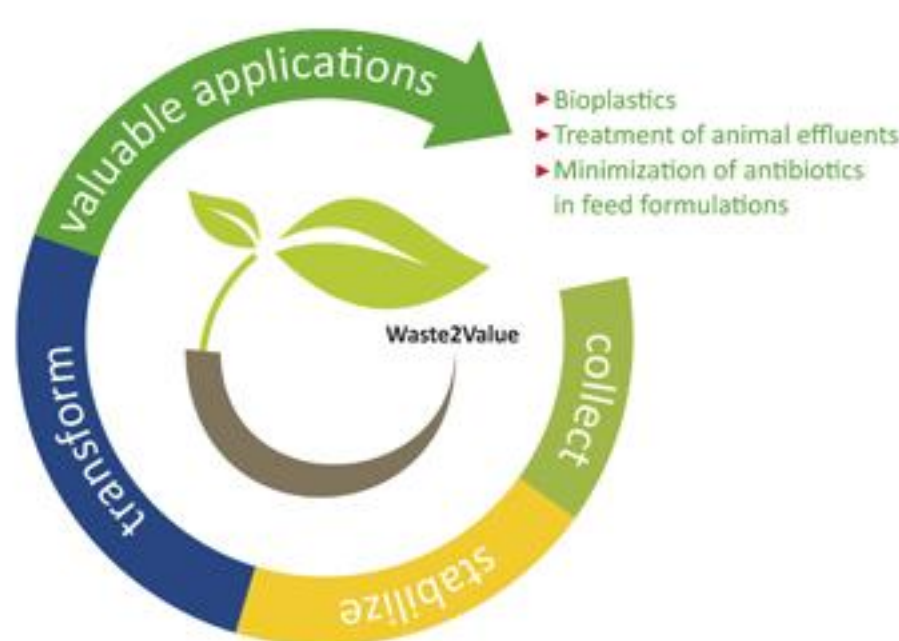
The project is foreseen to start October 1, 2017.

#### Who will benefit:

The entire agricultural and agri-industry sector can benefit from this initiative

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Start: October/ 2017  
End: September/ 2020

Budget: 418.466,88 €