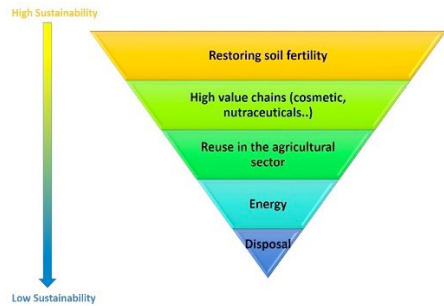


BACKGROUND

A very promising way to reduce the impact of agriculture on the environment, passes through the valorization of crop residues, agricultural by-products and other materials such as plastics used for crop cultivation and animal production, currently considered as wastes.

Farmers consider such materials an economic burden. However, if properly managed, they can become a source of income, while at the same time protect the environment.

Hence, for a sustainable agriculture and under the perspective of circular economy, it is necessary to address the issue of properly managing such agricultural residues and by-products as also other materials considered as “waste”. Education of farmers on such issues of circular economy is imperative for environment protection and economy enhancement.



Agricultural by-product, co-product and waste Management hierarchy

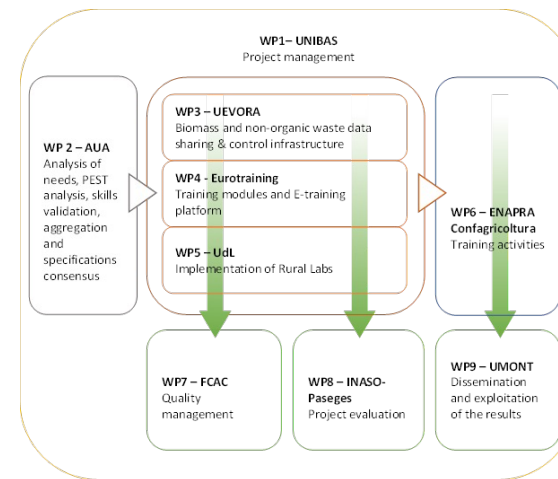
OBJECTIVES

- Training **1000 farmers in the EU.**
- Stimulate new entrepreneurship in the field of collecting, transporting and re-using biomass.
- Boosting innovation through developing and implementing new multidisciplinary approaches to teaching and learning.
- Developing a sense of initiative and entrepreneurial mind-sets, competences and skills
- Stimulating the flow and exchange of knowledge between higher education, VET, enterprises and research, in the framework of a *Quadruple-Helix* approach.
- Identifying resilience-related, market needs and emerging professions.
- Develop and implement **new multidisciplinary curricula for the valorization of agricultural wastes in the framework of a Circular Economy.**
- Development of **4 Rural Living Labs.**
- Compilation, selection and optimal configurations of state-of-the-art technologies.
- Political, Economic, Social and Technical (PEST) analysis.
- Training Needs Validation and Curriculum Design.
- Identification of new skills for future professionals.
- Identify alternative business models for waste collection and treatment based on farmer needs, as input to public policies.

METHODOLOGY

The **TANGO-Circular Project** follows a well-defined methodology for the preparation, design and delivery of the training programme:

1. **Analysis of the skills acquired by agricultural workers based on the latest research in the scientific bibliography, so as to provide a good scientific basis.**
2. **Providing a training programme that is comprehensive and detailed in all its parts.**
3. **Strengthening of the users' curricula, managing to give a strong applicative capacity to the user being trained.**
4. **Development of smart skills so that they can be used by the final operator.**



TRAINING PROGRAM

The **TANGO-Circular** training programme will be organized into the following nine (9) training modules:

1. **Classification of agricultural biomass.**
2. **Valorization of agricultural biomass.**
3. **Valorization of agro-food co-products, byproducts and organic residuals.**
4. **Classification of agricultural plastic waste.**
5. **Collection, transportation and recycling of Agricultural Plastic Waste.**
6. **De-contamination and valorization of Agricultural Plastic Packaging Waste.**
7. **Waste/Biomass legislation.**
8. **Environmental, territorial and economic planning, associated with each form of valorization.**
9. **Advantages and disadvantages associated with each possible form of valorization.**

PARTNERSHIP

