
PROJECT FACT SHEET

Title: BASIS Project – “Boosting precision agriculture in the Western Balkans by strengthening VET-business sector partnerships for natural resource management”



Project Summary: WB economies are considered medium to highly vulnerable to climate change, because of the relatively high percentage of population employed in weather and climate related sectors, such as agriculture. Extreme weather events, such as heat waves, frost, or heavy rainfall during critical phenological stages of the plants will be a growing challenge for semi-arid rural areas in the Balkan region. This will also influence soil health, fertility, and structure for sustainable agricultural and environmental outcomes. Modern precision irrigation techniques and precision agriculture approaches can contribute to more efficient use of intermediate production inputs, however the uptake of drip irrigation and precision agriculture is lacking both awareness and capacity building provision among farming communities.

Scope and objectives of the project

BASIS consortium will cooperate for the next 24 months to: (I) Build capacities of 21 VET providers on Precision Agriculture (PA) techniques, tools and best practices for efficient natural resource use, (II) Engage 70 WB-VET learners through Work-Based Learning methods to assess and optimize water and soil management using Decision Support System (DSS) approaches, and (III) Develop support mechanisms and stakeholder networks to nurture the PA technology education and demonstration in alignment with agriculture climate adaptation measures and strategies of the Western Balkans.

Results of the project

Expected deliverables are: (I) Research report to find enabler and barrier factors influencing PA adoption, (II) Training Format for PA competences in efficient resource management, (III) Guide for practical implementation of PA systems, (IV) E-learning for digital education; and (V) Dissemination events with key stakeholders to promote the project methodology.

Donor: Erasmus+

Duration: 01.01.2026 – 31.12.2027

Partners:

1. SMART AGRO HUB S.A (Greece)
2. WISECONN (Italy)
3. Environmental and Territorial Management Institute (Albania)
4. Agricultural University of Tirana (Albania)
5. PLANTADJUN LTD (Montenegro)
6. “Abdyl Frashëri” VET School (Kosovo)
7. “HASAN KIKIC” High School (Bosnia & Herzegovina)