CARPE DIGEM
Interreg Europe

www.interreg.eu/carpedigem

Smart Viticulture for Rural Areas

Through the provision of IoT architecture, this good practice of smart viticulture enables wine producers to increase efficiency and productivity with a significant impact on the environment.

Issues Faced

Two main challenges:
• Initial capital and maintenance costs
• Ensuring more communication locally in order to change people's behavior towards digital transformation (driving up the demand for innovative ICT-based solutions)

However, the biggest disadvantages of smart viticulture are maintenance costs and the initial investing capital.

In addition to solving long-term environmental challenges such as those caused by excessive irrigation and use of agrochemicals

Key Objectives

This good practice provides the winemakers with is providing the necessary tools, data and skills as well.

Supported by the University of Ljubljana, this good practice will empower winegrowers with workable data which will enable them to better control their wine production and quality.

Overall, the developed good practice based on the IoT solutions of the architecture of LoRaWAN connectivity will lower production costs and consequently foster a more sustainable viti-viniculture.

Main Results

The IoT solution, developed within this good practice uses a sensor system with LoRaWAN connectivity, which is known for being cost efficient, is low maintenance and is durable. Initial cost is 2500 euros (equipment costs).

Our practice is cost efficient and helps winegrowers improve wine production and quality.

University of Ljubljana

Interreg Europe

European Union
European Regional Development Fund

erudite_practice_template.indd 1 02.05.16 16:06