

Smart Rural 21 Final Conference

17 October 2022 Sopot - Gdansk, Poland





Municipality of Kythera

- Belongs to Region of Attica
- Consists of two islands:
 - Kythera
 - Antikythera, world known for the "Antikythera Mechanism"
- Has a Population of 4.041 people
 - But just ~25 in Antikythera!
- 56 inhabited settlements
- Economy based on Primary Sector (Agriculture & Fishing) and Tourism









Major challenges

- Ageing population and immigration of young people
 - The youth leaves for Universities and work opportunities
 - The elderly return after their retirement
- Connection to mainland and cost of transport
 - From October to May, connection is scarce
- Limited educational facilities
 - Lack of afterschool activities
- Decreasing quality of water resources
 - High consumption of the limited water resources











Assets

Unspoiled natural environment

Mountainous and forested areas, beautiful beaches

Cultural Heritage

- Monuments from all historical periods
- Significant religion monuments

Sufficient public infrastructure

- Hospital
- Airport and port facilities
- Good broadband network

High quality local products

Natural salt, honey, olive oil, wine

Active local community

 Many associations and organizations assist voluntarily in the development of the island











Planning

We prepare **short- & medium-term strategies** in order to be ready **for any available funding**

- Sustainable Energy Action Plan Reduce energy consumption and increase energy efficiency
- Sustainable Urban Mobility Plan
 Access to jobs and services for all
- Water Resources Management Plan Cover the water needs of the island in the short, medium and long term











Monitoring & Management of Water System

The need: Old distribution network which causes quality & quantity problems

The Solution: Use of **ICT technologies** and specialized equipment to **monitor remotely** the quality and quantity and to **locate malfunctions** and reduce losses.

Results:

- Sufficient and steady supply of high-quality water
- 40% Less lost water due to infrastructure faults

Funding: 3.141.00€ co-funded by European Structural and Investments Funds









Kythera Trails

The idea: Use of old paths around the island as a mean of tourist attraction

The Solution: Development of an integrated trail network of 100Km of old paths with focus on the protection of the natural and cultural heritage of the island

Results:

- Extension of tourist season
- Employment opportunities for the young (e.g. guides)

Project is supported and implemented by the association Kytherian Foundation for Culture and Development











Access to sea for people with mobility issues

The idea: Become friendly to people that face mobility issues

The Solution: Installation of innovative technology SEATRAC that give people with mobility issues the opportunity to enjoy swimming, completely unassisted



Results:

- Integration and inclusion of elderly and people with disabilities
- Attraction of tourist that belong to these communities

Funding: 167.493€ co-funded by European Structural and Investments Funds







More projects coming!

- Energy Efficiency improvement in 3 schools
 - 229.000€ funded by ESIF
- Reuse of 5 old buildings for Culture,
 Theatre and Conferences
 - 350.000€ funded CLLD/Leader
 - 1.370.738€ funded by a national fund
- eBike-Sharing System
 - ▶ 247.816€ funded by ESIF
- Sustainable redesign of Avlemonas village
 - 4.000.000€ funded by NextGenerationEU











Kythera's Smart Village Strategy



SMART RURAL KYTHERA GREECE















Main Objectives

Keep its youth on the island



✓ Improve agriculture and promote local production



✓Increase quality tourism





Smart Village Strategy Development

Pre-selected village Kythera

- ✓ Built on existing strategies
- √ Stakeholder engagement







STRATEGY

Community Participation In Strategy Development

Active citizens willing to collaborate

✓ Active associations and organizations on the island







Smart Actions Implemented

Improve agriculture and promote local production

✓ Introduction of Smart Farming technologies



✓ Introducing standards, certificates and labelling on local products (olive-oil and honey)



Smart Actions Implemented

























Supporting Terra Kytheria

A smart farming & certification system

- ✓ Empowering olive oil producers
- ✓ Promoting high-grade Kytherian olive oil
- ✓ Conserving on-farm biodiversity







KYTHERIAN FOUNDATION FOR CULTURE & DEVELOPMEN







FINAL CONFERENCE SMART RURAL PROJECT

The 6 Ingredients







Marketing Team



Certification

Terra Kytheria

> **Biodiversity** Monitoring

group

Smart Tools













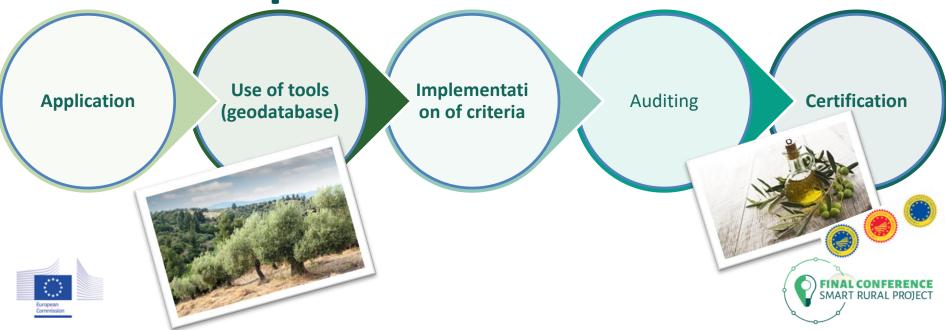
Online Workshops For Smart Tools







5-step Process For Farmers



Obtaining Data From Olive Orchards

Enriching the "Terra Kytheria" dataset

✓ On-field biodiversity monitoring

✓ Data collection with the use of drones





Thank you for your attention

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