AWP2024-1.3.1 (IA) – Developing Cost-effective & Sustainable Technologies adapted to Mediterranean Food Systems to decrease Food Loss & Waste.

Mohamed Wageih
PRIMA Project Officer

DISCLAIMER Preliminary information, AWP has not been approved by European Commission yet
Topic 1.3.1 IA

Developing cost-effective and sustainable technologies adapted to Mediterranean Food Systems to decrease food loss and waste.

Deadline Stage 1: 02/04/2024
STRUCTURE

CHALLENGES

SCOPE

EXPECTED IMPACTS

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CHALLENGES

GLOBAL FOOD CRISIS

CLIMATE
INFRASTRUCTURE

COVID-19

WARS & POLITICAL UNREST

WATER
ENERGY
FARMING

FOOD SECURITY

PRODUCTIVITY

SHELF LIFE

FOOD LOSSES

NEXUS?

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Deployment & demonstration of sustainable solutions to reduce food losses and waste, save energy, and enhance food safety

Green Technologies
- Solar
- Wind
- Biomass
- by-products

Renewable Energy Sources
- Solar
- Wind
- Biomass
- by-products

genetic-based plant varieties
- shelf-life and suitability for long-term storage

Exploitation and Dissemination
- Previous Projects
- KERs

Scalable, Sustainable, Cost-effective, and tailored
- active and intelligent packaging

Policy Recommendations
- economic, social, and environmental barriers and impact

Training and Building Capacities
- Scaling up and out
- Sustainability

BUSINESS MODELS
- Multi-Stakeholders

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EXPECTED RESULTS | IMPACTS

GREEN SOLUTIONS
To reduce FLW along the entire food value chain

IMPROVE FOOD QUALITY
Of the nutraceutical and sensorial levels.

INTERACTION BETWEEN STAKEHOLDERS
Farmers, smallholders, and large retailers, facilitating better management and potential price reductions.

RESOURCE-EFFICIENT PRESERVATION AND STORAGE TECHNOLOGIES
For food safety, leveraging innovative solutions, including microbiome-based solutions.

INNOVATIVE SOLUTIONS
To improved efficiency and cost reduction post-harvest.

ALTERNATIVE ENERGY SOURCES / ICT
Improving resource management and interactions within the value chain.

REPURPOSE WASTE AND BY-PRODUCTS
To create value-added products, thereby promoting resource efficiency and sustainability.

PRELIMINARY INFORMATION, AWP has not been approved by European Commission yet.
KEY PERFORMANCE INDICATORS

↓ Food Losses & Wastes

% reduction in food losses and waste

Baseline levels of food losses and waste within the project

↑ Stakeholder Collaboration

% increase in interaction between different stakeholders in the food supply chain

Existing levels of interaction between stakeholders within the project

↑ Efficiency | Cost Reduction

% increase in utilization of RE & ICT solutions

Current usage of alternative energy sources and ICT solutions within the food value chain within the project.

↑ Food Quality

% improvement in food quality at the nutraceutical and sensorial levels

Baseline quality levels of food at the nutraceutical and sensorial levels within the project.
LINKS WITH PRIMA/EU POLICIES

SRIA PRIORITY 2

OPERATIONAL OBJECTIVES

- /7 REDUCE LOSSES AND WASTE

/8 NEW FOOD BUSINESS MODELS.
TARGET 2.1 UNIVERSAL ACCESS TO SAFE AND NUTRITIOUS FOOD

TARGET 2.4 SUSTAINABLE FOOD PRODUCTION & RESILIENT AGRICULTURAL PRACTICES

TARGET 12.3 HALVE GLOBAL PER CAPITA FOOD WASTE

TARGET 12.5 SUBSTANTIALLY REDUCE WASTE GENERATION

TARGET 12.9 SUPPORT DEVELOPING COUNTRIES’ S&T CAPACITY FOR SUSTAINABLE C&P

TARGET 13.3 BUILD KNOWLEDGE AND CAPACITY TO MEET CLIMATE CHANGE
Thank you

MOHAMED WAGEIH, PROJECT OFFICER, PRIMA
mohamed.wageih@prima-med.org

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