SECTION ONE

AGRO-FOOD VALUE CHAIN

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TOPIC 1.3.1-2022 (IA)

Alternative protein sources for the Mediterranean food value chain. From production, extraction, processing and marketing, to societal acceptance.

DEADLINE FOR STAGE 1 : 15 MARCH 2022
1 CHALLENGES

2 SCOPE

3 EXPECTED IMPACTS
Topic 1.3.1 (IA) Alternative Protein Sources

Challenges

Pandemic & higher food prices fuel a sharp rise in global hunger

Environment Socio-Economic Health

Index change by major food category, 2020

Source: USDA
Topic 1.3.1 (IA) Alternative Protein Sources

Scope

PLANTS ORIGIN
OILSEEDS CAKES
FUNGAL MYCELIA
MICRO-ALGAE/INSECTS
FOOD WASTES

Social and Cultural Values
Industrial & Technological Solutions
Health and Nutritional Aspects
Economic & Business Dimension
Environment & Use of Resources

ALTERNATIVE PROTEINS

Agrofood Value Chain
Topic 1.3.1 (IA) Alternative Protein Sources

Expected Impacts

- **ENV**: Reducing GHG + (Sus. Use of natural R)
- **TEC**: Eco-friendly Techniques & Technologies
- **HEL**: Improve human health
- **SOC**: Improve consumers’ acceptance
- **COM**: Business plans and models
Key Performance Indicators

- # New food products with enhanced shelf-life, quality, and health-related beneficial properties;

- # Business models for quality and sustainability adapted to SME and smallholders;

- % Carbon and water footprints, as well as energy consumption per gram of protein

- % Decrease in Food imports dependency (%imports/consumption)

- # Raising Awareness Campaign.
Links with SDGs

### SDG 2 Zero hunger
**TARGET 2.1** By 2030, end hunger and ensure access by all people;
**TARGET 2.4** By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production,

### SDG 3 Good health and well-being
**TARGET 3.4** By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being;

### SDG 12 Responsible consumption and production
**TARGET 12.2** By 2030, achieve the sustainable management and efficient use of natural resources.
SRIA Priorities:

Priority 3.3 Implementation of innovation in the food chain, promoting higher quality, sustainability and competitiveness, with particular reference to smallholders

Priority 3.4 - Implications of dietary shifts and sustainable diets for the Med populations and food industry

OPERATIONAL OBJECTIVES

- /6 NUTRITION AND HEALTH.

- /8 NEW FOOD BUSINESS MODELS.
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