

2022 Section 2 Calls

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PARTNERSHIP FOR RESEARCH AND INNOVATION
IN THE MEDITERRANEAN AREA



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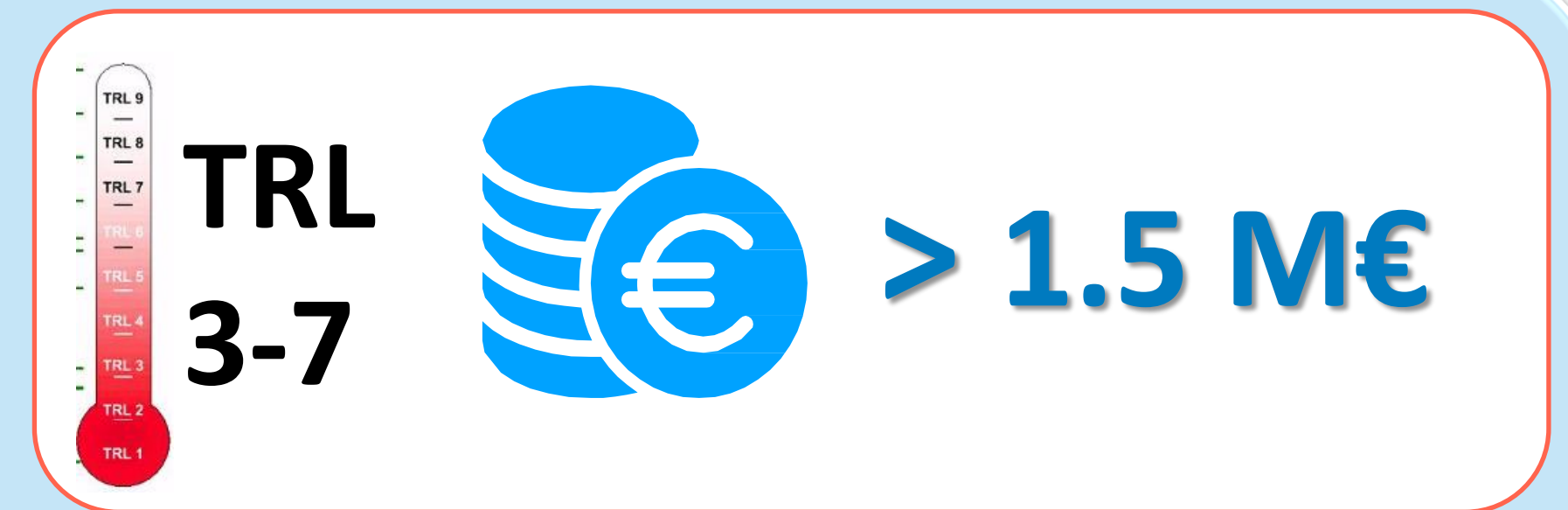
Water Management topic – Section 2

Topic 2.1.1 RIA



Prevent and reduce land and water pollution due to agri-food activities

Topics **S2**
Water
management



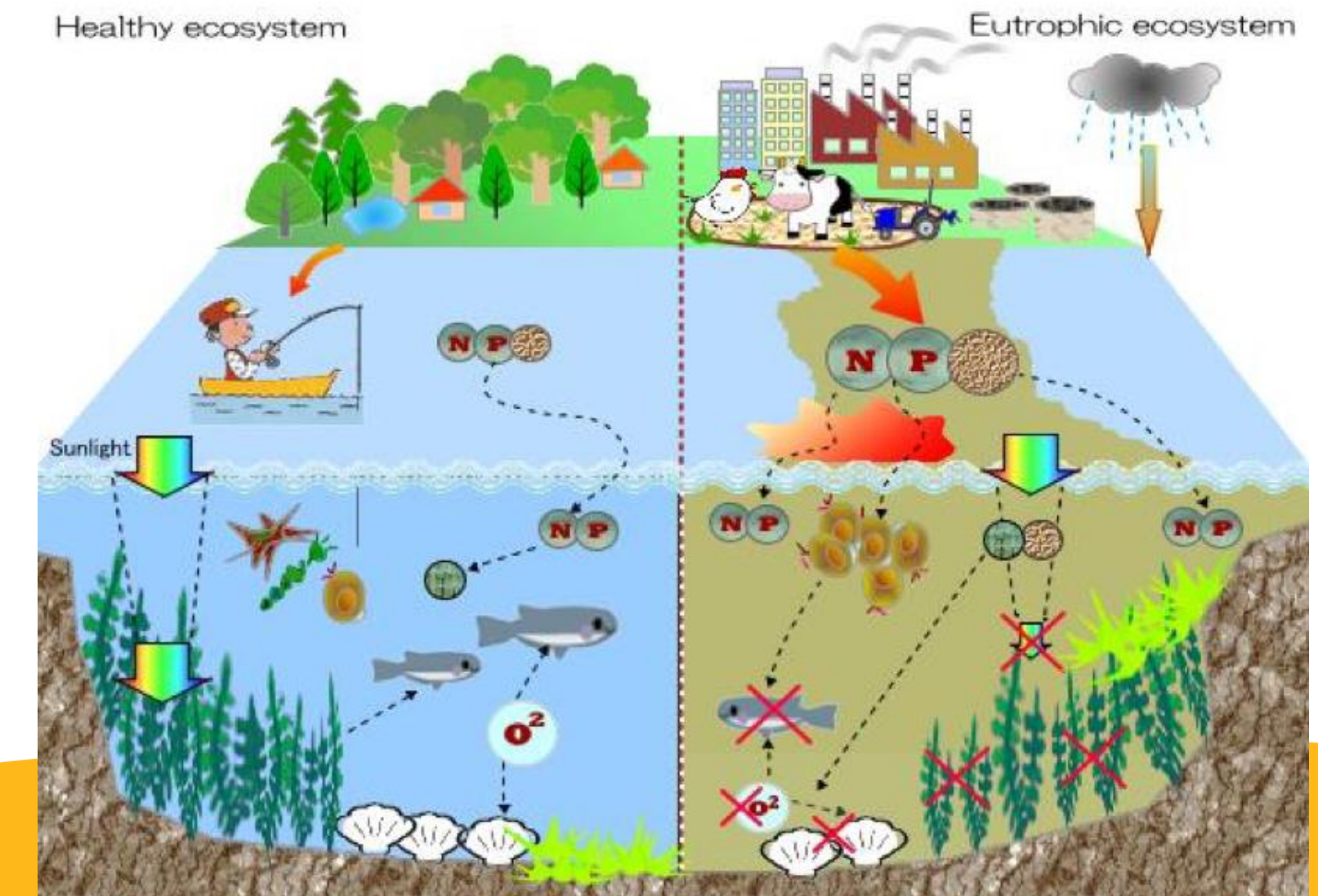
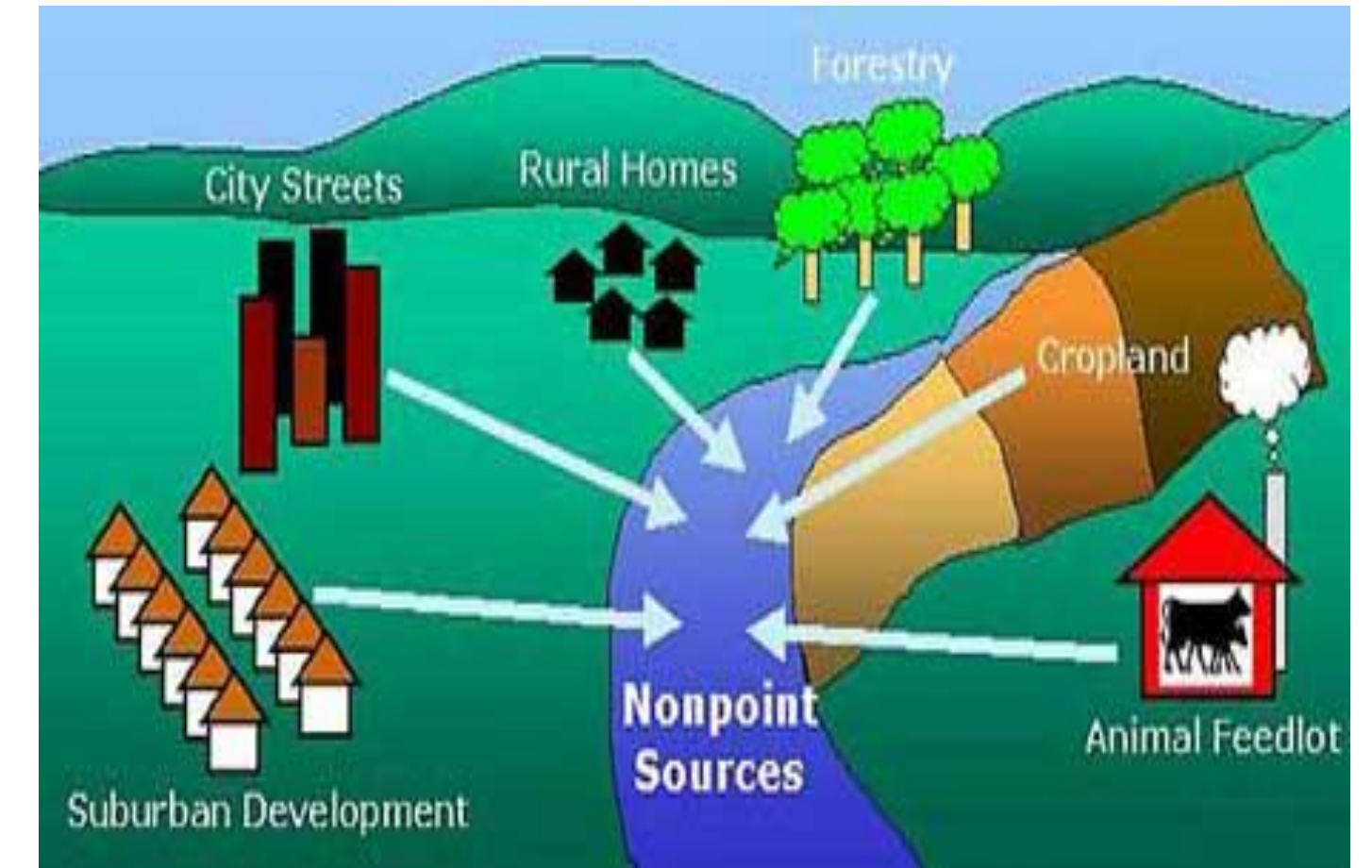
Submission deadline Stage 1: 22/03/2022

Water Management topic – Section 2



Challenge

- Increase in surface & ground water exploitation causes water scarcity + poor water quality
- Biggest non-point contributor of pollution in the Med: agricultural activities!
- Due to low annual rainfall and alkaline soils in the Med region, agricultural production leads to salinization of aquifers + eutrophication of wetlands & coastal waters



Water Management topic – Section 2



Scope

Reduce risk
of water
pollution &
salinization

Consider Med area specifics

Restoring water bodies to quality standards

Ensure profitable agro-food activities

Minimise external use of resources

Fertilisation regimes, mineralisation

Socio-economic studies on cost-benefit outputs

Water Management topic – Section 2



Expected Impacts

Reduction in the contamination and salinization of water bodies by agri-food

Site-specific solution to reduce nitrate leaching

Innovative and environmentally-friendly technical solutions for water decontamination

Evaluation of the risks linked to pesticides and other potential organic pollutants, rehabilitation of polluted soils and water

Water Management topic – Section 2



Key Performance Indicators



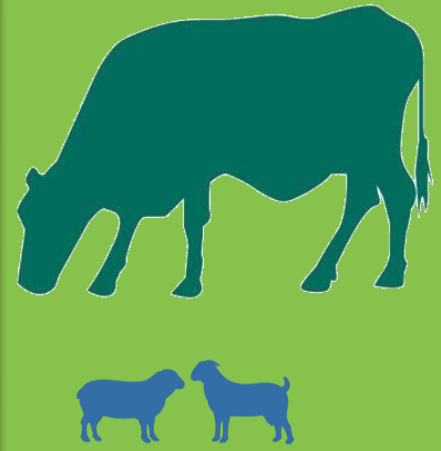
Biochemical oxygen demand in rivers

Nitrate in ground-water

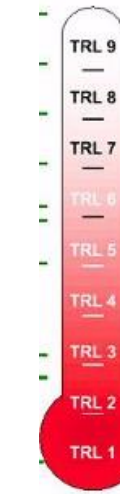
Farming Systems topic – Section 2



Topic 2.2.1 RIA **S2**



Improving the sustainability and competitiveness of agro-pastoralism in the Mediterranean region under the context of climate change



**TRL
3-7**



>1.5 M€

Submission deadline Stage 1: 22/03/2022

Farming Systems Topic – Section 2



Challenge

%50 of Med -Marginal rural settings



Intensive agricultural practices unfeasible



AGRO PASTORALISM

Primary source of employment & income, ecosystem functioning, landscape management

Farming Systems Topic – Section 2



Challenge

unfavourable institutional and **economic conditions** → unsustainable practices, problems of farm economic viability, and generational renewal

Volatile rainfall patterns and recurrent droughts, **environmental** and **climate change**

Overgrazing and **land abandonment** → degradation of rangelands, disappearance of fauna, flora, and entire biotopes, increase in soil erosion, changes in the landscape

Agro-pastoral multifunctional systems = important asset to produce **quality food**, support the **livelihood of communities**

Farming Systems Topic – Section 2



Scope

viable agro-pastoral farming and rational use of rangelands

Agroforestry practices for supporting pastoral and agropastoral livestock production

consider products' quality in terms of consumers' health and safety, provision of socio-ecosystem services, questions of social, gender and generational dynamics

address the **policy-setting** and the **market frame**, provide **advice and suggestions** for a more **enabling** institutional and economic **environment**

Farming Systems Topic – Section 2



Expected Impacts

Enhance the **resilience of Mediterranean pastoral and agro-pastoral communities** to societal and climate change

Contribute to improving the **economic, social and environmental** conditions of agro-pastoral farming and livelihoods

Preserve and rehabilitate pastoral ecosystems, including animal and plant biodiversity, rangeland recovery and landscape management

Enhance the **quality, typicity, diversity, value-adding** and related value chains for traditional pastoral products

Support **generational renewal of agro-pastoral farming** through the **involvement of women, youth and newcomers**

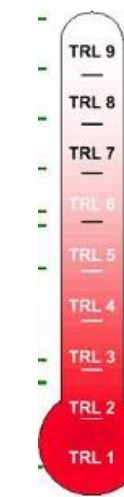
Agro-Food Value Chain topic – Section 2



Topic 2.3.1 RIA **S2**



Enabling the transition to healthy and sustainable dietary behaviour



**TRL
3-7**

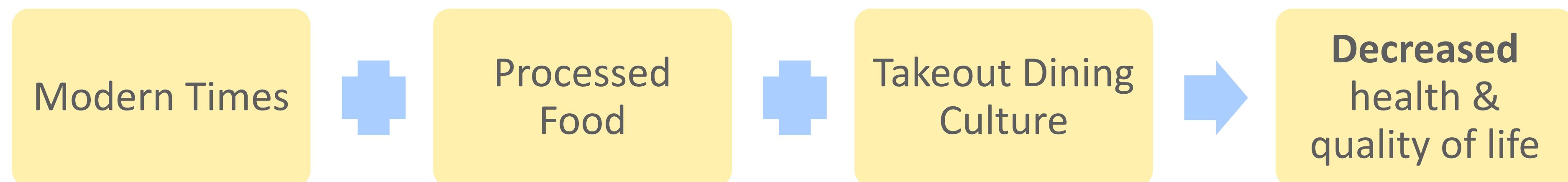
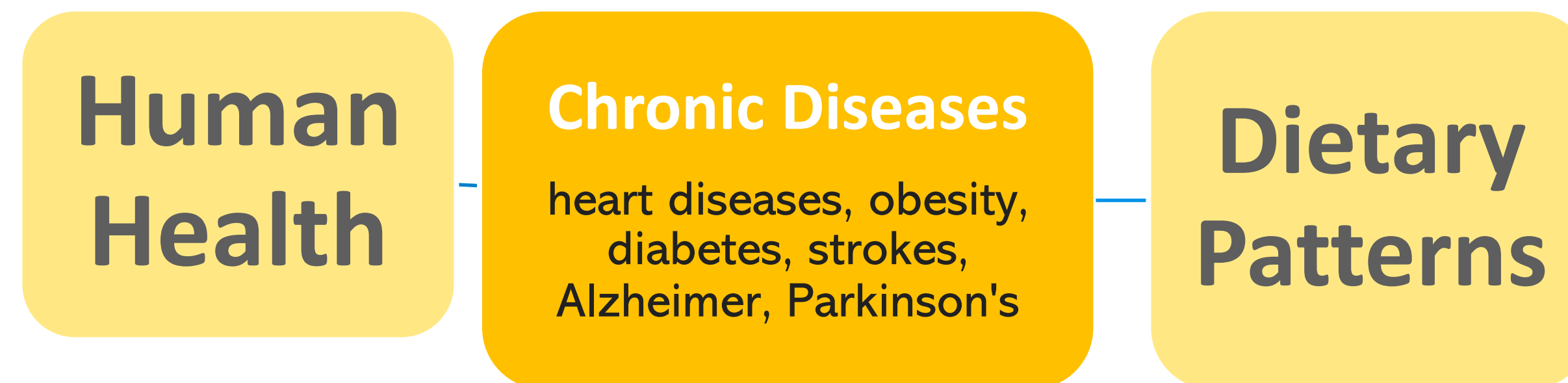
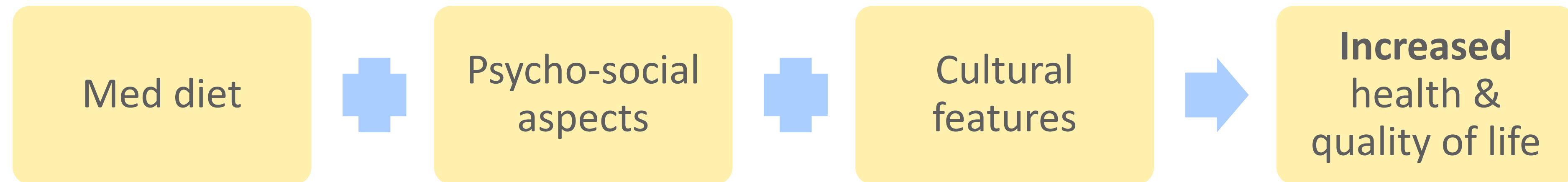


>1.5 M€

Submission deadline Stage 1: 22/03/2022

Agro-Food Value Chain topic – Section 2

Challenge



Agro-Food Value Chain topic – Section 2

Scope

1. **Identify, understand and measure the factors** influencing the adoption of **healthy dietary behaviours**
2. **Implement tailored strategies** to help people of all ages to shift towards Mediterranean **healthy dietary behaviours**

Combine at least **two approaches**:

1. Increasing awareness
2. Increasing the availability and accessibility of nutritional foods

Awareness Raising Campaigns

- educational toolkits
- cooking classes
- promotional materials etc.

New Business Models

- low-processed,
- local,
- high nutritional Value
- pre-prepared dishes

Sustainability

- waste reduction
- use of by-products

Agro-Food Value Chain topic – Section 2

Expected Impacts

Updating, modifying and developing **dietary guidelines** and **promotion strategies** for the adoption of Mediterranean healthy and sustainable diets

Promoting and marketing of Mediterranean dietary habits and highlighting its benefits at all levels through media coverage, TV programmes, awareness campaigns in schools and communities

Introducing new and **healthy low-processed Mediterranean food products** in acceptable, attractive, accessible and affordable formats

Improving Med people health by facilitating the **shifting** to a **Mediterranean healthy and sustainable diet**

Decrease in obesity rate and other **diet-related non-communicable diseases** in the Mediterranean area

Agro-Food Value Chain topic – Section 2

Key Performance Indicators

of business models for quality and sustainability adapted to SME and smallholders

of awareness raising campaigns promoting a food environment conducive to healthy food choices through appropriate incentives and information provision to consumers and policymakers

of new food products with enhanced shelf-life, quality and health-related beneficial and sustainable properties

All Topics – Section 2



Links with EU Policies and Missions

- Water Framework Directive (WFD)
- EU Action Plan: 'Towards Zero Pollution for Air, Water and Soil'
- Horizon Europe Mission: Restore our Ocean and Waters
- Farm to Fork Strategy
- Biodiversity Strategy
- Horizon Europe Mission on Soil Health and Food
- European Partnership Water Security for the Planet (Water4All)
- European Partnership accelerating farming systems transition: agroecology living labs and research infrastructures
- European Partnership Agriculture of data
- European Partnership for Safe and Sustainable Food Systems for people, planet and climate
- European Partnership for rescuing biodiversity to safeguard life on Earth

All Topics – Section 2

Links with SDGs



Target 2 – Zero Hunger

T2.3 - By 2030 double the agricultural productivity and the incomes of small-scale food producers, particularly women, indigenous peoples, family farmers, pastoralists and fishers, including through secure and equal access to land, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment

T2.4 - By 2030 ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems and that progressively improve land and soil quality

Target 3 – Good Health & Well Being

T3.4 - By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being

Target 12 – Responsible Consumption & Production

T12.2 - By 2030, achieve the sustainable management and efficient use of natural resources

Target 6 - Clean Water & Sanitation

T6.3 - By 2030, improve water quality by reducing pollution, eliminating dumping and minimising the release of hazardous chemicals and materials.

T6.6 - By 2030, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes

Target 15 – Life on Land

T15.3 - By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world

Thank you

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