

2016

MediTERRA

ZERO WASTE IN THE MEDITERRANEAN

Natural Resources, Food and Knowledge



SciencesPo
LES PRESSES



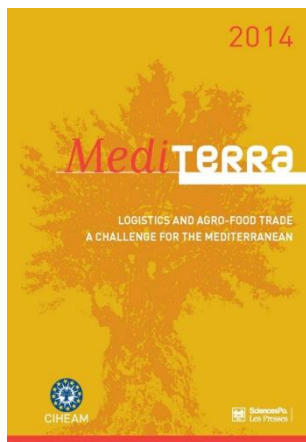
MEDITERRA 2016 FAO-CIHEAM Joint Report

Overview Facts & innovations

Side-Event in Rome
5 December 2016

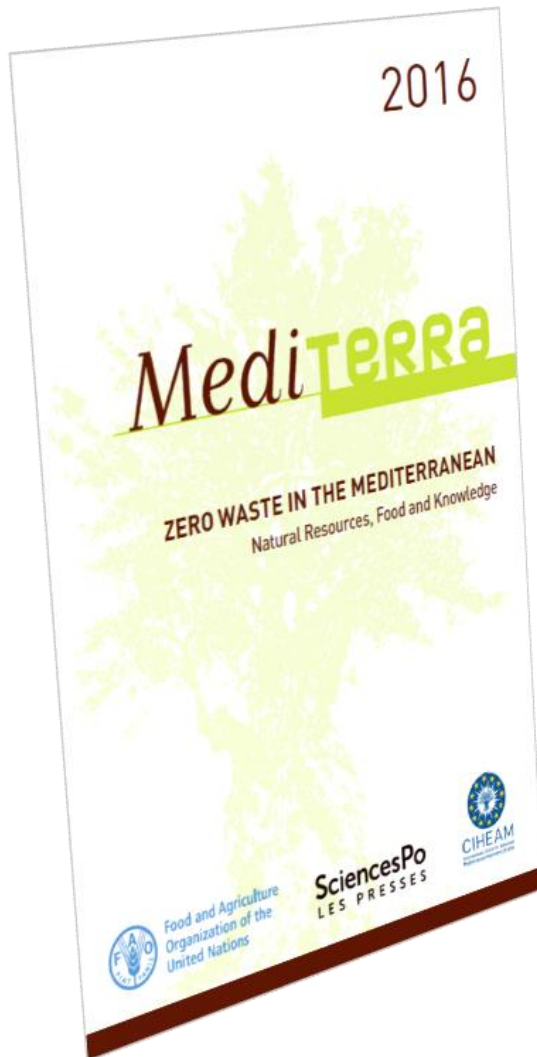
MediTERRA, a CIHEAM flag ship publication

- Published **every second year** (English & French)
- Modernisation 2007, **MediTERRA** has mobilised **400 experts**
- **In-depth analysis of major challenges:** agriculture, food and rural areas in the Mediterranean



Process and methodology

- Topic **endorsed** by CIHEAM Board in 2014
- Timely revision of **FAO /CIHEAM** partnership
- First joint report FAO-CIHEAM, through **joint scientific committee**
- **Linked** to international evolving context and key international events (*ExpoMilano, SDGs, COP21/22, etc.*)
- **18 co-authored chapters** articulated around 3 sections, by **60 experts** from FAO and CIHEAM
- Analyses of **interrelated issues**
- **Targeting** a broad public, community of practitioners & stakeholders operating in the Mediterranean



The Mediterranean Context

Linking
knowledge and
policy-decision

Key Region for
the Future:
Laboratory for
pressing global
issues

Produce more,
better and with
stability :
Sustainability
Agenda

**Multilateral
cooperation
and local
strategies** to
combat
scarcities

Geopolitics /
Nexus
« **Agriculture-
Food-Rural-
Water-Energy-
Climate** »

Avoiding Waste
and Losses at
triple level : **An
integrated
challenge**

Mediterra 2016

« Zero Waste »

Why?

*Obstacle to
sustainability*

What?

*Food waste and
loss: throughout
the food chain*

*Natural resources
depletion*

How?

*Triple
complementary
dimensions*

*Knowledge waste
often neglected*

Key data in the Mediterranean

Natural resources : rich but depleting

Water	3% Global resources , >50% world water poor Water exploitation index > 50%
Land	Only region with NO Land reserves
Arable Land	1/3 North Med, < 10% South and East
Forests	300 species including 200 endemic but 60 at risk
Biodiversity	25,000 to 30,000 species of plants but threatened
Fisheries	7% of global marine species but 52% fish stocks: unsustainable exploitation

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- International support to promote both improved energy efficiency and increased use of renewable energy (water-land-energy nexus)
 - Blue growth initiative

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Food Loss and Waste

Global	1/3 produced lost/wasted at all stages of the food chain
Mediterranean	>USD 50 billion annually in terms of farm gate prices

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- Investment in research and development: a pre-requisite for greening the food value chain
- Challenge: attract funds for investments in green, innovative infrastructure
- Innovations: Mediterranean diet, Food banks, consumer education

Key data in the Mediterranean

Knowledge waste

Local knowledge

Identity of Mediterranean, but in danger

Family farming
Maghreb farmer average age

Dominant (85% of farms in MENA but most family farmers are poor
> 50, less youth in agriculture

Social exclusion and inequality

Highest rates of youth unemployment in the MENA, 28.2% and 30.5% in 2014 (1/4 from the labour force since 1991)

Women labour force participation < 25%

Key data in the Mediterranean

Knowledge waste

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- Agroecology and pro-family farming policies
 - Digital revolution of agriculture
- Linking agri-food knowledge and food security: transdisciplinary science of sustainable food systems
 - Involving and strengthening producers (men, women, and youth) & organisations
- Documenting existing knowledge & creating new knowledge system based on agricultural innovations.



Food and Agriculture
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A strategic contribution to the CAPMED2025 and FAO regional initiatives



Flagship-Initiative °04 Training for Zero Waste in the Mediterranean *(Natural Resources, Food and Knowledge)*



- CIHEAM Institutes and Partners
- E-Learning
- Students Mobility
- Professionals Training
- Multidisciplinary Approach
- Public & Private Dialogue
- FAO regional initiatives for MENA





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THANK YOU FOR YOUR ATTENTION

www.ciheam.org