

# LIFE DESERT-ADAPT

## Preparing desertification areas for increased climate change

Project n° LIFE16 CCA/IT/000011

Location: Italy, Spain, United Portugal

Budget: 4,075 M€, % EC co-funding 2,439 M€

Duration: 01/09/2017 - 01/09/2022

Partners: 19 (9 technical, 10 landowners)

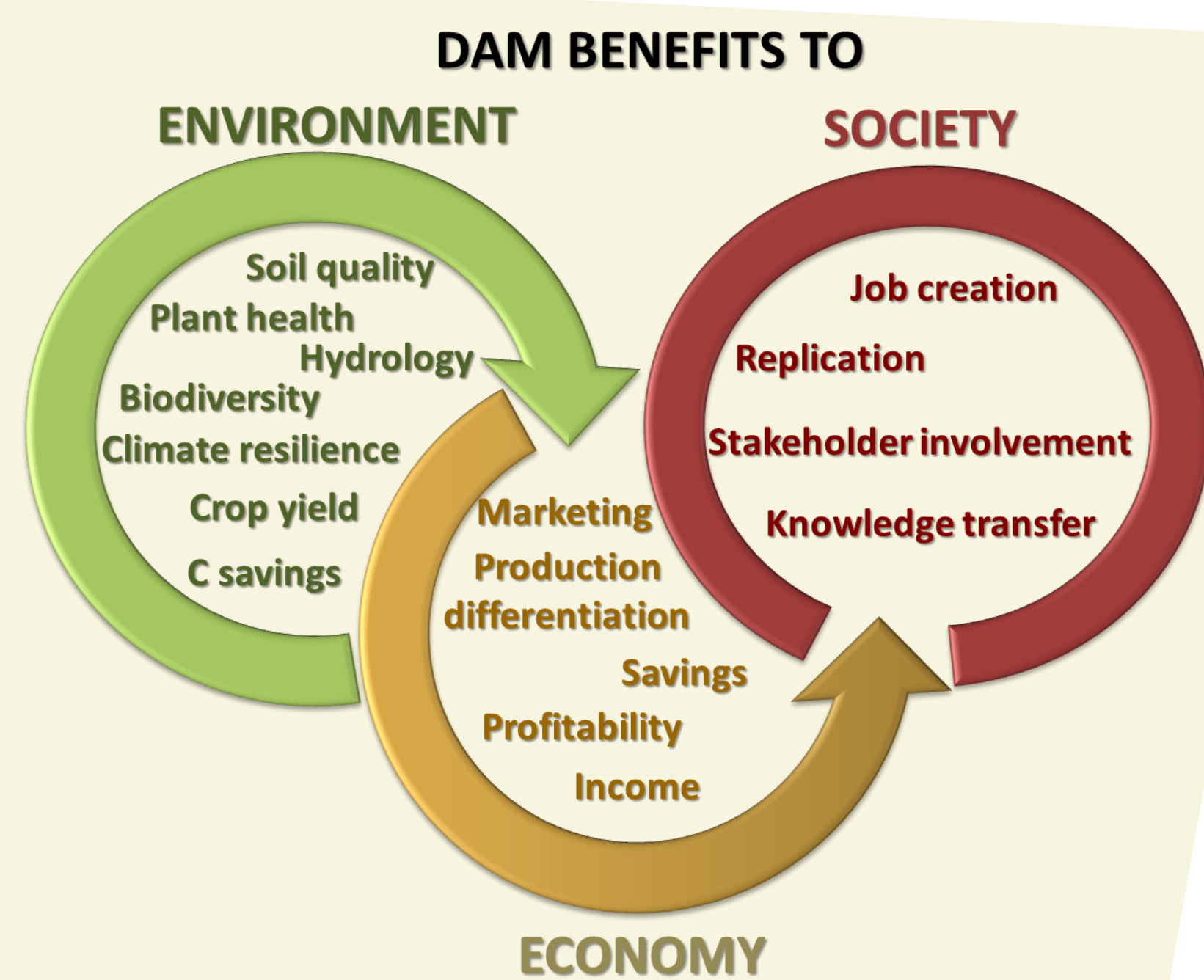
## GOAL

Desert-Adapt goal is to demonstrate the feasibility of a land management framework specifically designed to counter aridification and land desertification in Southern Europe. The land management strategy we define “**Desertification Adaptation Model**” (DAM)” is an integrative ecosystem approach which combines climate change adaptation measures and targets with land functions aimed at ecosystem sustainability (e.g. carbon sequestration, water retention, biodiversity) and improved socioeconomic development. 10 DAMs designed for site-specific conditions and opportunities, will be tested in E.U. areas under strong desertification risk in Italy, Spain and Portugal.

## OBJECTIVES AND ACTIONS

**Objective one:** testing the positive effects of DAM on economic, environmental and social indicators on 10 sites representative of three regional areas of Mediterranean EU where land is affected by degradation and desertification risk

**Objective two:** promoting and replicating the developed DAM systems among a variety of stakeholders, particularly local farmers, seeking socioeconomic opportunities from climate resilient and profitable land use, and policy makers, to enable to upscale the DAM approach in the project regions and beyond.



**OVER FIVE YEARS EACH DAM WILL BE IMPLEMENTED IN THE FIELD BY EACH LAND OWNER AND PROGRESSES MONITORED TO EVALUATE THE EFFICACY OF THE APPROACH AGAINST THE INITIALLY MEASURED BASELINE SCENARIOS**

## IMPACTS

**DAM tested on 1000 hectares** of EU land under desertification risk.

**Safeguarded and improved ecological services**, biodiversity, soil quality, plant cover, reduced erosion

**Climate Change mitigation**, a net carbon sink of 1 ton CO<sub>2</sub>-e per hectare.

**Improve socioeconomic benefits**, with at least 8 viable income sources selected; increased farmer income, employment rate and overall IRR on the medium (project time span) and long term (project (afterlife)).

**Combined project action to brand** partners' products and ecoservices with a label of “sustainable land management” in areas under land desertification risk.

**10 project partners trained as promoters**, each successful in knowledge transfer to 10 more farmers.



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LIFE Desert-Adapt



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