



4th World Congress on Agroforestry

20-22 May 2019
Montpellier, France

Book of Abstracts



Under the High Patronage of
Mr Emmanuel MACRON
President of the French Republic



4th World Congress on Agroforestry

20-22 May 2019

Le Corum - Montpellier, France



The views expressed in this publication are those of the author(s)
and not necessarily those of the Organisers.

Articles appearing in this publication may be quoted or reproduced without charge,
provided the source is acknowledged.

All images remain the sole property of their source and may not be used
for any purpose without written permission of the source.

Suggested citation: Dupraz, C., Gosme, M., Lawson, G. (Editors). 2019.
Book of Abstracts, 4th World Congress on Agroforestry.
Agroforestry: strengthening links between science, society and policy.
Montpellier: CIRAD, INRA, World Agroforestry. 933 pages.

Compiled by Alpha Visa Congrès

Edited by Christian Dupraz, Marie Gosme and Gerry Lawson with
the members of the Scientific Committee of the Congress.

Design and layout by Alpha Visa Congrès

Adapting agroforestry to future climate scenarios: The LIFE project Desert-Adapt

Castaldi S.¹ (Simona.CASTALDI@unicampania.it), Bijl M.², Alduina R.³, Bastidas M.⁴, da Silveira B. R.³, Catania V.³, Coppola E.¹, Grilli E.¹, Herguido E.⁵, La Mantia T.⁶, Lo Verde G.⁶, Mastrocicco M.¹, Miranda J.⁵, Pulido F.⁵, Pérez-Izquierdo C.⁵, Quatrini P.³, Rutigliano F. A.¹

¹DISTABIF, Università degli Studi della Campania, Caserta, Italy; ²Forestry Service Group (FSG), Garderen, Holland; ³STEBICEF, University of Palermo, Palermo, Italy; ⁴ADPM, Mértola, Portugal; ⁵INDEHESA, University of Extremadura, Plasencia, Spain; ⁶SAAF, University of Palermo, Palermo, Italy

Increasing scientific evidences indicate that agroforestry is a land use that can support economic, social and environmental sustainability, thus promoting resistance and resilience towards ongoing climate changes. The implementation and management of agroforestry systems still face social, economic and political barriers. Mediterranean agroecosystems suffer from increasingly negative climate change effects and urgent measures are needed to improve their rural economy while protecting soils and the environment. In this context, the LIFE Project Desert-Adapt: “Preparing desertification areas for increased climate change” (<http://www.desert-adapt.it>), aims to demonstrate the feasibility of innovative climate adaptation strategies and measures, based on the agroforestry concept, over 1000 hectares at risk of desertification in Italy, Spain and Portugal. The core of the project is the Desert Adaptation Model (DAM), an integrative development model fitted to the specific requirements of each farm which guide the implementation of sustainable agroforestry systems (e.g. montado, dehesa). The results will be evaluated through an array of multidisciplinary social, economic and environmental indicators. The project will deal with the most common conceptual, technical, and legal constraints encountered along the implementation and management of agroforestry systems in marginal lands and its results will fill the gap between farmers’ needs and policy makers at local and global level.



A typical agroforestry system of Sicily in which the scattered almond trees offer shelter to the Cows

Keywords: Sicily, sustainability, value of products, reforestation, desertification.



4th World Congress on Agroforestry

Agroforestry is a free,
almost universally adaptative way
to improve global food security,
pollute less and mitigate climate change.
There is no patent on agroforestry.

Make our planet treed again!



@Agroforest2019 #Agroforestry2019

<https://agroforestry2019.cirad.fr>