



DESIRE: Desertification mitigation and remediation of land - a global approach for local solutions

• WB4: Implementation and monitoring phase | Partner 7: University of Aveiro

In collaboration with: Escola Superior Agrária de Coimbra University of Wales Swansea

Technology: Preventive Forestry

Definition:

Preventive Forestry is composed by a set of measures applied to forest stands, shrubs and other spontaneous species to protect forest against fires. These measures deal with forest stands composition, structure and location, aiming to reduce fire risk and to increase vegetation resilience to fire.

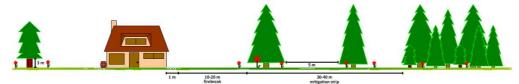
Objective:

- Promote non-continuous strips to combat fire spread;
- Forest stands/ vegetation cleaning;
- Maintenance of infrastructures

Conservation measure: structural Intervention: reducing the fire risk

Type of land use: forest and agroforestry

Preventive Forestry measures – protection of houses and other buildings





RIMARY STRIP NETWORK SYSTEM FOR FUEL MANAGEMENT	Mação Municipality			
NETWORK SYS	Internal (km)	150	Urban area and water masses (ha)	70
NETW	Internal area (ha)	1 875	Agriculture (ha)	236
STRIP FUEL N	Shared with other municipalities (km)	14	Forest (ha)	833 Figu
FOR F	Shared area (ha)	175	Shrubs and degraded forest area (ha)	824
<u> </u>	Total area		1.052	

Figure 4 © UA, 2009 Reduction of the fuel load;

Reinforcement of forest path system; • Increase of the landscape resilience:

Monitoring

Main results

analyses:

- Installation of:
 - small flume;
 - water level recorders;
 - meteorological station;
 - rainfall gauge network.

Legend:

Figure 1 – Informal discussions with

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local stakeholders Figure 2 – Implementation of the Primary Strip Network System for Fuel

Management Figure 3 – Field work Figure 4 – Primary Strip Network System for Fuel Management:

mitigation strip Figure 5 - Field work

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Figure 1