FOREST MANAGEMENT AND FIRE PREVENTION

Start: January/2017
End: December/2021

Budget: 465.798 €

AGRI Innovation summit 2017

Operational Group:
Aliens and Flames.
Fogo e Invasoras.

Practical problem

Acacia dealbata and *Hakea sericea* are two important fire-adapted invasive plant species in Portugal. Prescribed fire is a fuel management technique used to prevent forest fires. Unaware use of fire can promote plant invasions but an informed use may help solving this problem.

Partners

Type:	Name:
Research /Teaching	Instituto Politécnico de Coimbra
Agri Association	Associação Florestal do Baixo Vouga; Associação Florestal do Pinhal
Agri enterprise	GreenClon Lda; SFERA Ultimate Lda; Silvokoala Lda; Vumba SA

Project

Objectives:

To study the two-way relationships between fire and the two target invasive species. To develop best-practices to use fire as a fuel-management tool in invaded areas and as an ecosystem-management tool to control plant invasions. To disseminate the obtained knowledge among stakeholders.

Expected results:

Advanced knowledge on the fire ecology of invasive plants. A characterization of fuel models associated with the two species. A characterization of fire behaviour in invaded areas. The possibility of forecasting the risk of invasion in burned areas. A guide of best practices for the use of fire in invaded areas, to be distributed among managers and other stakeholders.
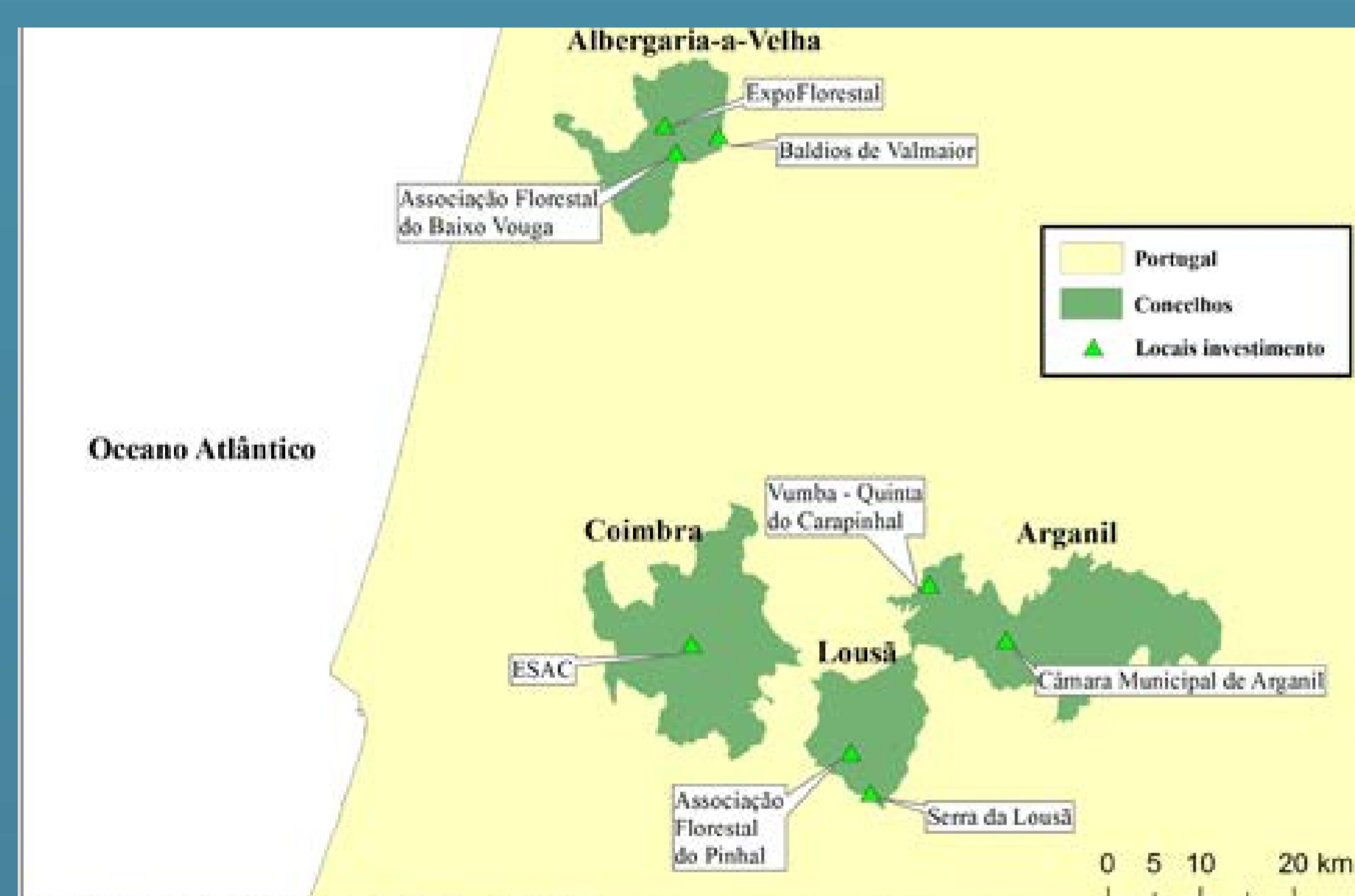
Results so far/first lessons:

There was a preliminary assessment of potential areas for the establishment of experimental plots.

Who will benefit:

Forest managers and forest owners.
Forest companies and service suppliers.
Training and teaching institutions.

Contact: Joaquim Sande Silva
E-mail: jss@esac.pt

PDR 2020 PROGRAMA DE DESENVOLVIMENTO RURAL 2014·2020   PORTUGAL 2020   funded by European Commission   eip-agri AGRICULTURE & INNOVATION   União Europeia Fundo Europeu Agrícola de Desenvolvimento Rural A Europa Investe nas zonas rural

AGRI INNOVATION SUMMIT 2017
More information: www.aislisbon2017.com