

Centre for Applied Ecology

“Prof. Baeta Neves”

Institute of Agronomy, University of Lisbon

Joaquim Sande Silva
(on behalf of the CEABN Director)



jss@esac.pt



Hinc patriam sustinet

Instituto Superior de Agronomia
Universidade Técnica de Lisboa



FORESTERRA

Enhancing Forest RESearch in the MediTERRanean
through improved coordination and integration



Using an applied perspective, our endeavour is to understand the relationships between land use and biological diversity and to contribute to a wise and sustainable use of the land.



FORESTERRA

Enhancing FOrest RESearch in the MediTERRAnean
through improved coordination and integration



CEABN team has 37 members, 13 PhD researchers.

Networking Workshop. Marseille, France, 12-13 December 2013



Ecological design and
landscape architecture

Research
areas

Fire ecology and
management

Agro-environmental
education and
dissemination


Biodiversity in
agricultural and
forest ecosystems

Wildlife
management

ENHANCE – Enhancing risk management partnerships for catastrophic natural disasters in Europe – 2012 to 2016

- Consortium of 23 European partners.
- The main goal of the ENHANCE project is to develop and analyze new ways to enhance society's resilience to catastrophic natural hazard impacts (hazards related to heat waves, forest fires, flood, drought, storm surge, and volcanic eruptions).
- Development of new multi-sector partnerships to reduce or redistribute risk.
- www.enhanceproject.eu

DROUGHT-R&SPI – Fostering European Drought Research and Science-Policy Interfacing – 2011 a 2014

- 
- The logo for DROUGHT R&SPI, featuring a stylized orange and blue graphic with the text "DROUGHT R&SPI".
- Consortium of 11 European partners.
 - There is an urgent need to improve drought preparedness through increased knowledge, drought management plans and an improved science-policy interfacing that will reduce vulnerability to future droughts and the risks they pose for Europe.
 - The main goal is to enhance the understanding of drought: (i) as a natural hazard, (ii) environmental and socio-economic impacts of droughts, (iii) vulnerabilities, risks and policy responses.
 - www.eu-drought.org



MATRIX – New Multi-Hazard and Multi-Risk Assessment Methods for Europe – 2010 a 2013

- Consortium of 12 partners from Europe and Canada.
- Analysis of the physical and social population vulnerability to natural disasters.
- Strengthen societies' resilience to natural disasters.
- www.matrix.gpi.kit.edu



“FIRE PARADOX – An Innovative Approach of Integrated Wildland Fire Management Regulating the Wildfire Problem by the Wise Use of Fire: Solving the Fire Paradox – 2006 a 2010

- Coordination of ISA-CEABN with 36 international partners.
- Integrated approach of forest fire on it's 4 aspects: prescribed burning, fire ignition, fire propagation and supression fire.
- Use of fire (prevention and fighting) as an essential element of Integrated Fire Management, promoting knowledge, experience and technology transfer and training as a way to establish new fire management politics in Europe.
- www.fireparadox.org



FORESTERRA

Enhancing Forest REsearch in the MediTERRanean
through improved coordination and integration



PHOENIX – Fire ecology and post-fire management. Regional Centre of the European Forest Institute (EFI) – 2005 a 2010

- Consortium of 21 European partners.
- The main objective of the Project Centre is to develop decision criteria for preventive post-fire forest management.
- www.phoenixefi.org



Resources available for possible transnational research initiatives.

- **Databases**
 - Climate database (Drought project),
 - Land use and fire database (Fireland project)
- **Experimental sites (Public estates)**
 - Tapada Nacional de Mafra
 - Tapada Nacional de Vila Viçosa
- **Fire Paradox**
 - A collection of videos about wildfire and fire management

There are no particular restrictions concerning the access to these resources.

Experience of transnational access to research resources under the frame of Fire Paradox (Fire Intuition database managed by EFI); the Phoenix network; frequent use of the EuFirelab database.



FORESTERRA

Enhancing Forest RESearch in the MediTERRanean
through improved coordination and integration



At the national level CEABN is now part of a larger research structure named InBio, lodged at the University of Porto, which encompasses a network on biodiversity.

At the international level we should also mention, besides the previously mentioned programmes, the participation in the TranzFor exchange program <http://www.tranzfor.eu/>.

We are very interested in the creation of Transnational Joint Research Units

- Recent proposal (Aliens&Flames) in the frame of the Biodiversa network
- Very rewarding experience in the frame of TranzFor

It would be interesting to recreate the core of the Fire Paradox consortium.

The most important limiting factor is the growing difficulty to have access to European funds for research.



FORESTERRA

Enhancing Forest RESearch in the MediTERRanean
through improved coordination and integration



Thank you!