

**The Plan 42. A program to change the behaviour of fire users.**

**WORKSHOP ON THE ASSESSMENT OF FOREST FIRE RISKS AND INNOVATIVE STRATEGIES FOR PREVENTION**

**RHODES GREECE 2010**

**M. Torre & A. Picardo**

**PROPERTY OF FORESTLANDS IN CASTILLA Y LEÓN**

**NUMBER OF FIRES**

**Forest fires are a worldwide problem.**

**Every year they burn between 300 and 400 million ha, according to the FAO (Report about the status of forest in the world 2003 FAO)**

**The answer to this problem has been:**

**IMPLEMENTATION OF COSTLY EXTINCTION SYSTEMS IN DEVELOPED COUNTRIES.**

**...HOWEVER, THERE IS NOT A STRATEGY TO MODIFY THE CAUSES.**

**Wild fires causes in Castilla y León**

**ii The causes are well known, but a mystery for the whole society!!**

Farmers	Accidents	Lighting	Mad people	Hunting
75 %	13,2%	6,7%	3,4 %	1,7 %

**Problem factors. The inherit tradition.**

**THE LANDSCAPE KEPT OPEN BY FIRE AND GRAZZING FOR AGES**

Problem factors. The vegetation structure.

THE CURRENT VEGETATION IS IN A VERY UNFAVORABLE DEVELOPMENT PHASE FOR TRADITIONAL USES LIKE LIVESTOCK



Problem factors. The vegetation structure.

NOWADAYS THE GRASSLANDS HAS BEEN TRANSFORMED INTO BUSHES

THERE ARE HARDLY NATURAL USEFUL PASTURES



Problem factors. The inherit tradition.

... AND RURAL PEOPLE ARE STILL USING FIRE AS A PRIMARY FORM OF CLEARANCE.



Problem factors. The vegetation structure.

A VERY COMBUSTIBLE LANDSCAPE, ACCORDING WITH VEGETATION STRUCTURE

- Large areas without discontinuities or horizontal or vertical.
- With high fuel loads.
- And high proportion of fine fraction both living and dead.

HUGE CATASTROPHIC FIRE RISK



Problem factors. The vegetation structure.

THE CURRENT STATE OF EVOLUTION OF THE MEDITERRANEAN VEGETATION

CENTRAL POINT

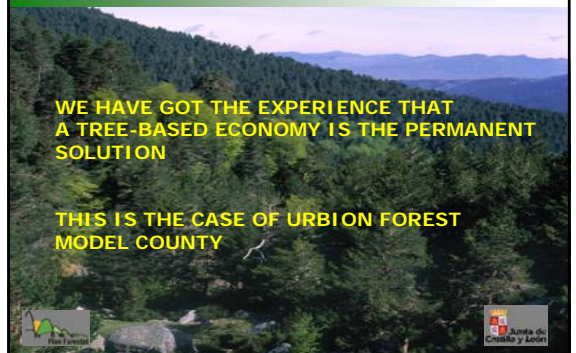
- OF THE FIRE NUMBER.
- OF THE FIRE SEVERITY.



The model forest as a hopeful base

WE HAVE GOT THE EXPERIENCE THAT A TREE-BASED ECONOMY IS THE PERMANENT SOLUTION

THIS IS THE CASE OF URBION FOREST MODEL COUNTY



### The model forest as a hopeful base



### Problem factors. The vegetation structure.



### What can we do? Needed actions.



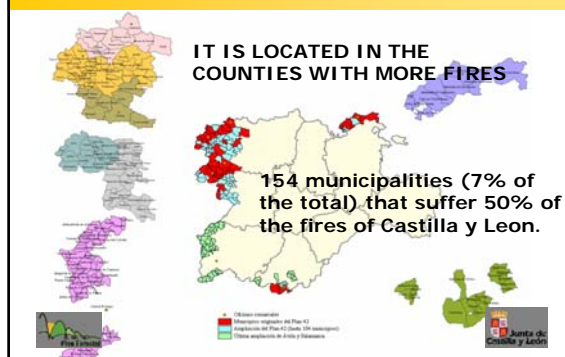
### What can we do? Needed actions.



### What can we do? 42 PLAN



### What can we do? 42 PLAN



**What can we do? 42 PLAN**

**Work with fire users**

**In order to use other alternatives  
To promote forestry development**

**What can we do? 42 PLAN**

**THE PLAN 42 STAR ACTION IS A PROGRAM ABOUT VEGETATION MANAGEMENT WITHOUT FIRE**

**5 YEARS SILVOPASTORAL MANAGEMENT PROJECT**

**Accesamiento de zonas arboladas** (Acción 2)  
Estas zonas son importantes en un sistema de aprovechamiento extensivo, ofrecen refugio al ganado y almacén forrajero y sirven como la defensa.

**Creación y mejora de setos** (Acción 4)  
Facilitan el pastoreo y control de los esquiladores, reduciendo el peligro del ganado de una actividad incidental en el monte.

**Destrozos, esquilados y ahoveado** (Acción 1.2)  
Asumen una mayor productividad del animal y aumentan la capacidad de competir con las especies de montaña. Con reducidos costes de la ganadería en estas zonas.

**Destrozos mecanizados** (Acción 1.4)  
Permite la utilización controlada de zonas que no cumplen con los requisitos de manejo. Es una alternativa eficaz a los sistemas tradicionales de manejo, evitando el riesgo de incendio en zonas con alta densidad de matorral.

**Abrevaderos** (Acción 3)  
La disponibilidad de agua es clave para el pastoreo; con setos, abrevaderos, etc. se mejora el bienestar del ganado.

**Cerramientos silvopastorales** (Acción 1.1)  
Facilitar la gestión del ganado, asegurar el pastoreo de ganado en las zonas con alto riesgo de incendio.

**What can we do? 42 PLAN**

**THE MAIN TOOL IS THE MECHANICAL BUSH CLEARING**

**What can we do? 42 PLAN. Silvopastoral plans**

**What can we do? 42 PLAN. Silvopastoral plans**

**What can we do? 42 PLAN. Silvopastoral plans**

What can we do? 42 PLAN. Silvopastoral plans



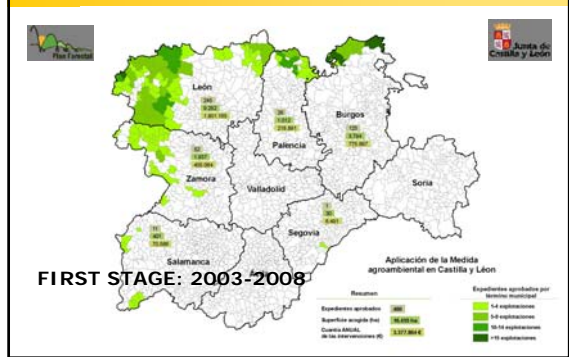
What can we do? 42 PLAN. Silvopastoral plans



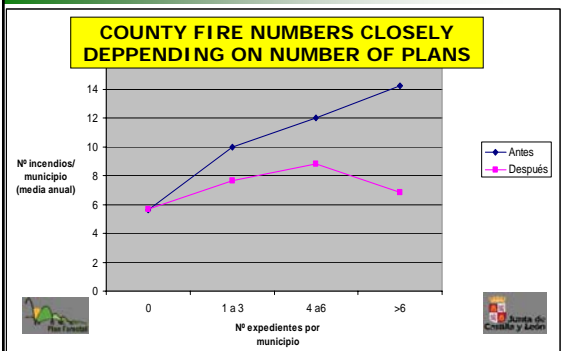
What can we do? 42 PLAN. Silvopastoral plans



What can we do? 42 PLAN. Silvopastoral plans.



Silvopastoral plan consequences



What can we do? 42 PLAN. Silvopastoral plans.



## Silvopastoral plan consequences

1000 stock breeders supported by the regional forest administration and the European commission...

**DRAWING THE LANDSCAPE  
WITHOUT FIRE**



## Silvopastoral plan consequences

**SHAPING THE NEW LANDSCAPE**

