

Lessons learnt to enhance wildfire risk mitigation through agro-forestry and fuel management activities

Framing best practices and smart solutions towards fire resilient landscapes

Eduard Plana Bach

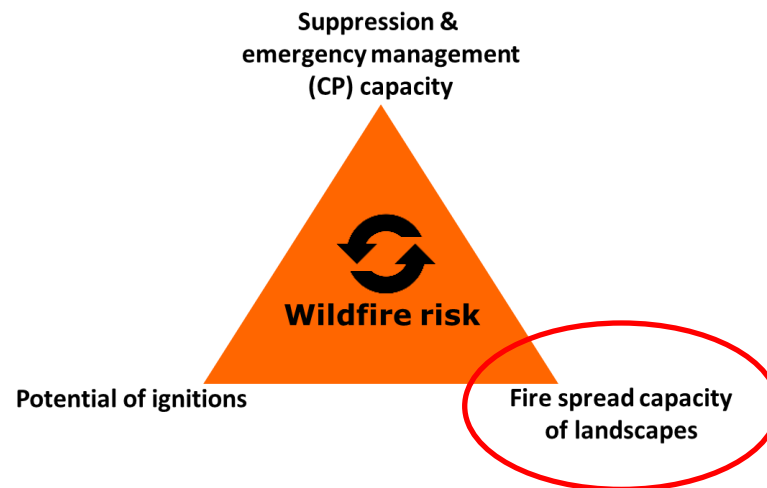
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Active prevention



Passive prevention

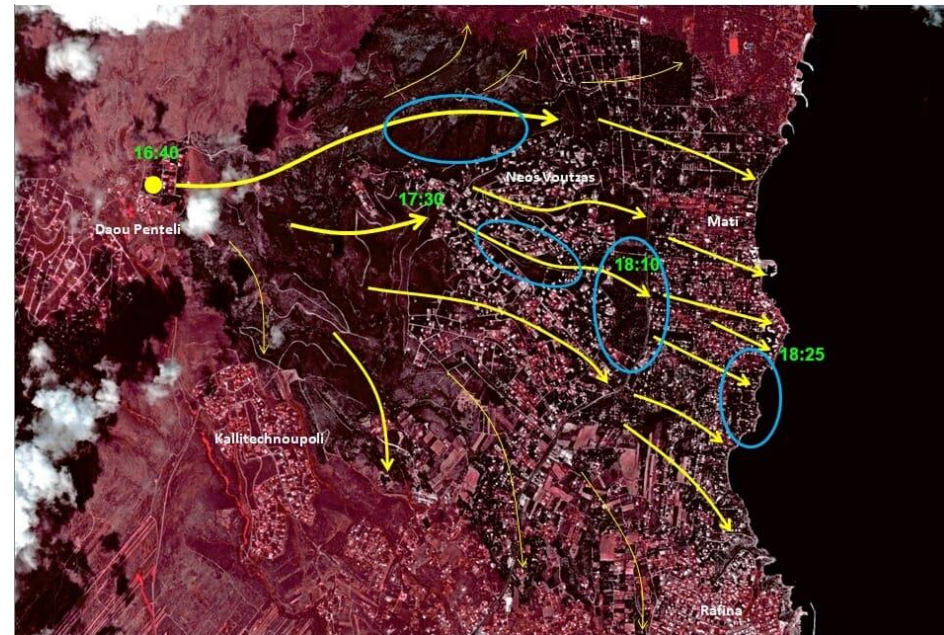
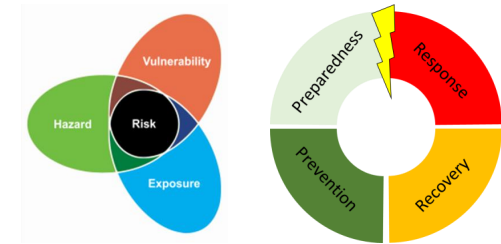


Preparedness & Response



✓ **Resilient landscapes** make Active prevention less costly and Civil Protection & Response more efficient and safety

Landscaping forest/urban resilience & DRR



From fueled woodlands to fire-resistant landscapes able to protect citizens, infrastructures and values

(Goal) Prevent new and reduce existing disaster risk through the implementation of **integrated and inclusive** (...) measures that prevent and reduce hazard exposure and vulnerability to disaster, increase preparedness for response and recovery, and thus **strengthen resilience**.

Sendai Framework for
Disaster Risk
Reduction 2015 - 2030

11. Promoting **nature-based solutions** for adaptation

14. Reducing **climate-related risk**

EU Strategy on
Adaptation to
Climate Change

EU Biodiversity
strategy for 2030



The European
Green Deal

A new EU Forest
Strategy

- protecting forests in a changing climate whilst **promoting sustainable forestry management to mitigate against climate change**;
- Protecting forests and enhancing ecosystem services;



Common
Agricultural Policy

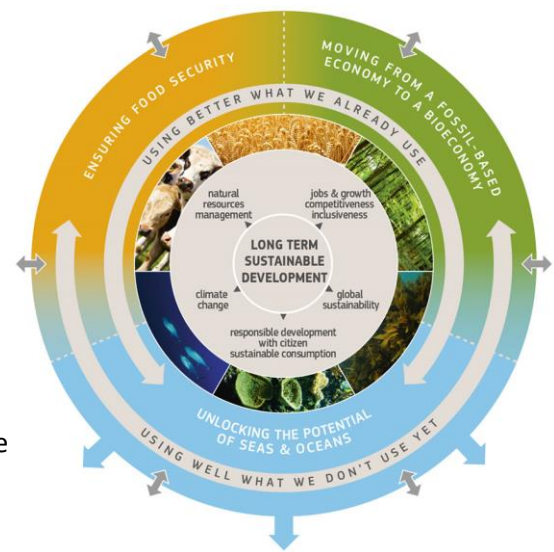
Farm to fork
Strategy

EU Bioeconomy
strategy

- 1.Strengthen and scale up the **bio-based sectors**, unlock investments and markets
- 2.Deploy **local bioeconomies** rapidly across the whole of Europe

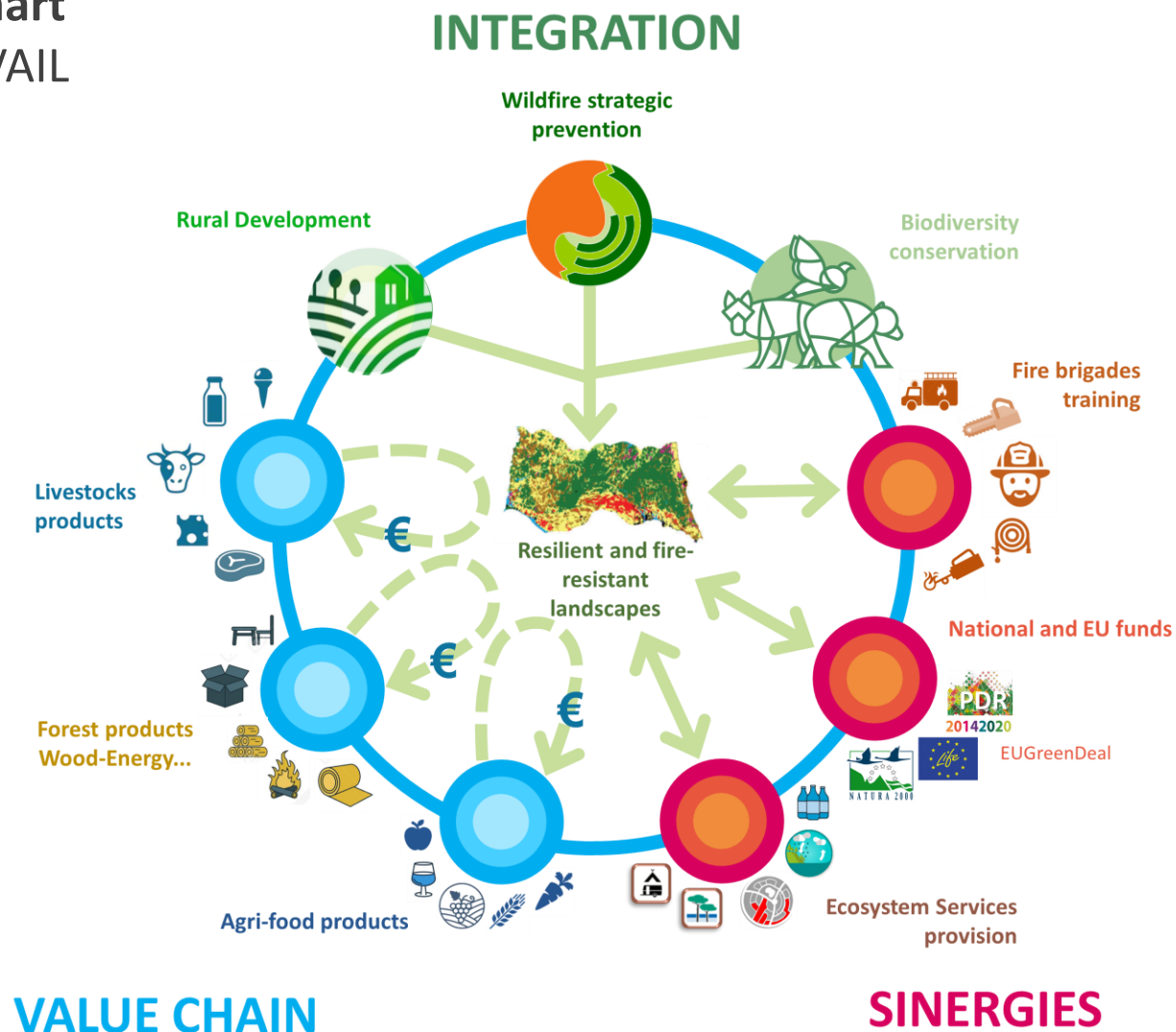
Eco-schemes & land management contracts for forest-environment-climate services and forest conservation;

sustainable food **labelling framework** that covers (...) climate, **environmental** and **social aspects** of food products.

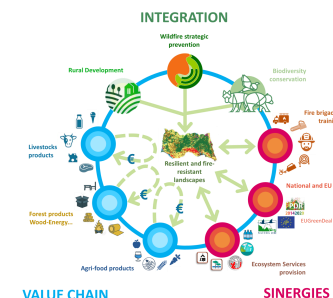


Fuel management **smart solutions** within PREVAIL

“practical measures and initiatives implemented in a **sustainable manner**, enhancing **cost-efficiency**, optimizing the **synergies** with actors **and cooperation** from a multi-objective perspective, able to capitalize the **best existing knowledge** and being permanently updated under a **lessons learnt** approach”



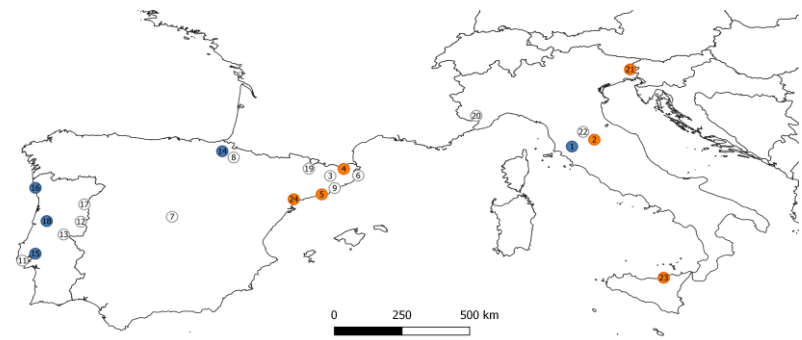
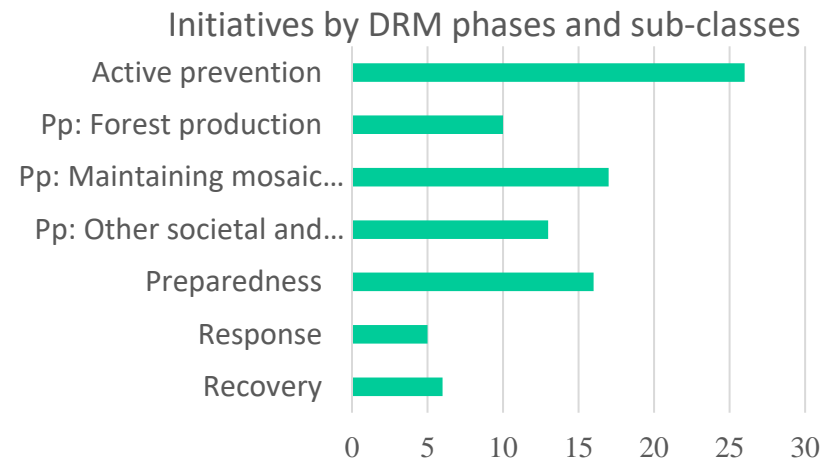
Fuel management **smart** solutions within PREVAIL



Criteria	Main caracteristics
Sustainability	In social, economic and environmental terms
Cost-efficiency	Avoided cost & impacts of the prevented fires
Synergies	Achievement of different objectives and DRM cycle phases
Cooperation	Different stakeholders and policies (coherence), involving private and public ones
Best existing knowledge	The best and more innovative options are considered
Lessons learnt	Integrating the achievements and also the fails during their implementation

Fuel management smart solutions within PREVAIL

Initiatives and smart solutions towards fire resilient landscapes			
Basic information			ID Init
Name			
Promoter			
Scope	<input type="checkbox"/> Regional/Sub-regional <input type="checkbox"/> National <input type="checkbox"/> EU		Place
General focus (mark as much as necessary)			
Classes into DRM cycle phases	<input type="checkbox"/> Active prevention <input type="checkbox"/> Passive prevention <input type="checkbox"/> Forestry production <input type="checkbox"/> Maintaining mosaic landscape and grazing <input type="checkbox"/> Other societal and structural support to rural development		
	<input type="checkbox"/> Preparedness <input type="checkbox"/> Response <input type="checkbox"/> Recovery		
Description and complementary information			
Main category	<input type="checkbox"/> Best practice <input type="checkbox"/> Field reference guide / training material		
	<input type="checkbox"/> Mobil app. / portal web <input type="checkbox"/> Software / IT / DSSS <input type="checkbox"/> Video / Media resource		
Available languages			
Short description			
Complementary information			
Web link			
Contact			



Clasificación de soluciones inteligentes

- Soluciones inteligentes que producen bienes (Tabla 1)
- 2. Life Granatha
 - 4. Rebaños de fuego
 - 5. Life Monserrat
 - 10. Bosques del Vallès
 - 21. Red de empresas "Landa Carsica"
 - 23. Paneles naturales de corcho, Syfar
 - 24. Perímetro de Protección Prioritaria
- Soluciones inteligentes que generan servicios (Tabla 2)
- 1. Centro de entrenamiento Toscana
 - 3. Life Demorgest
 - 6. Biomasa en Calonge
 - 7. Proyecto Geprif
 - 8. Proyecto Promobiomasse
 - 9. Life Pinassa
 - 11. Life Elia-Art
 - 12. Pastoreo en Baldíos da Malcata
 - 13. Escuela de pastores
 - 17. Pastoreo en Reserva Faia Brava
 - 19. ORGEST
 - 20. Centro de entrenamiento Piemonte
 - 22. Biomasa para reducción incendios
- Otras
- 14. Proyecto Open2preserve
 - 15. Proyecto Silvast
 - 16. Conservación del lobo ibérico
 - 18. REN-Redes Energéticas Nacionales
- Limites nacionales

➔ <http://lessonsonfire.eu/solutions-map>



Landscape Solutions to Wildfire

Compilation of initiatives of fire prevention, forest management, agriculture and livestock, and rural development/economies, all of which contribute to reduce wildfire risk and its impacts.

Risk Management Stage
Choose some options

Scope
- Any -

Type
- Any -

Languages
○

Create Landscape Solution to Wildfire

Title *

Type of solution
Choose some options
If you do not see a type of solution that fits your needs, please fill the Custom solution type field.

Custom solution type

Territorial scope
Choose some options

Risk Management Stage
Choose some options

Languages
Choose some options
If you do not see your language, please fill the Other language field.

Other language

Promoter *

Brief (in english)

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Ramats de foc

◀ Back to the map

Promoter: Pau Costa Foundation **Type of solution:** Best practice **Territorial scope:** Region
Risk Management Stage: Prevention **Type of prevention:** Maintaining mosaic landscape and grazing
Languages: Català, English, Español

Brief (in english):
Ramats de Foc brings together all public and private agents interested in the continuity of silvopastoralism, by aligning their various needs, and articulating a production and consumption chain of food products from herds with the added value of decreasing fire risk in woodlands with a strategic role in the propagation of wildfires (as determined by Firefighters of Catalonia and the Department of Agriculture).
The added value of this initiative is to strengthen the links between wildfire management services, farmers and local butchers and restaurants. The initiative works in adding value to the products of the participating farmers, through a label that certifies the herds' fire risk management tasks. Customers will thereby know that eating Ramats de Foc products delivers societal benefits; it will keep alive local extensive livestock farming and preserve forests.

Description:
Potenciamos la contribución de los rebaños en la gestión del riesgo de incendios, mediante el pastoreo en zonas forestales. El sello de Rebaños de Fuego favorece la continuidad de la actividad ganadera en el territorio y permite evitar grandes incendios. Puedes contribuir a crear y mantener estos paisajes adaptados al fuego con acciones tan simples como consumir productos de rebaños cercanos. Gracias por hacerlo posible.

Link to website: ramatsdefoc.org

Boscos del Vallès

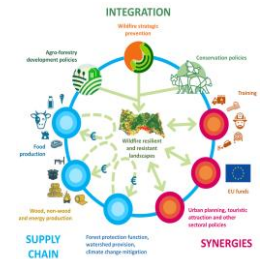
Promoter: Consell Comarcal del Vallès
Risk Management Stage: Prev

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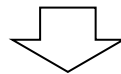
Some **key aspects** moving forward **resilient landscapes**

(Gap analysis – Deliverable 4.2)



How to deal with huge needs and social demands vs limited resources

(budget limitations & lack of forest profitability & RDP bureaucracy & legal constrains in forest ownerships)



- ✓ **Policy harmonization and coherence** (landscaping WFRM) & **formal legal recognition** (and retribution) **of wildfire prevention function**
- ✓ Coordination and collaborative **private-public frameworks & novel and additional funding mechanisms** (future expenses, connect social demands - land managers, PES..)
- ✓ **Societal involvement into DRR strategies** (bioeconomy, fire-adapted communities, risk scenarios choose..)
- ✓ Be aware : Perceived **conflict** SFM & Biodiversity conservation ?

Be smart, let our cultural landscapes protect us



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Thanks for your attention !!