



Forging fire-resilient landscapes: fire-smart solutions for sustainable wildfire risk prevention

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PREVention **A**ction **I**ncreases
Large fire response preparedness
(2019-2021) <https://www.prevailforestfires.eu/>

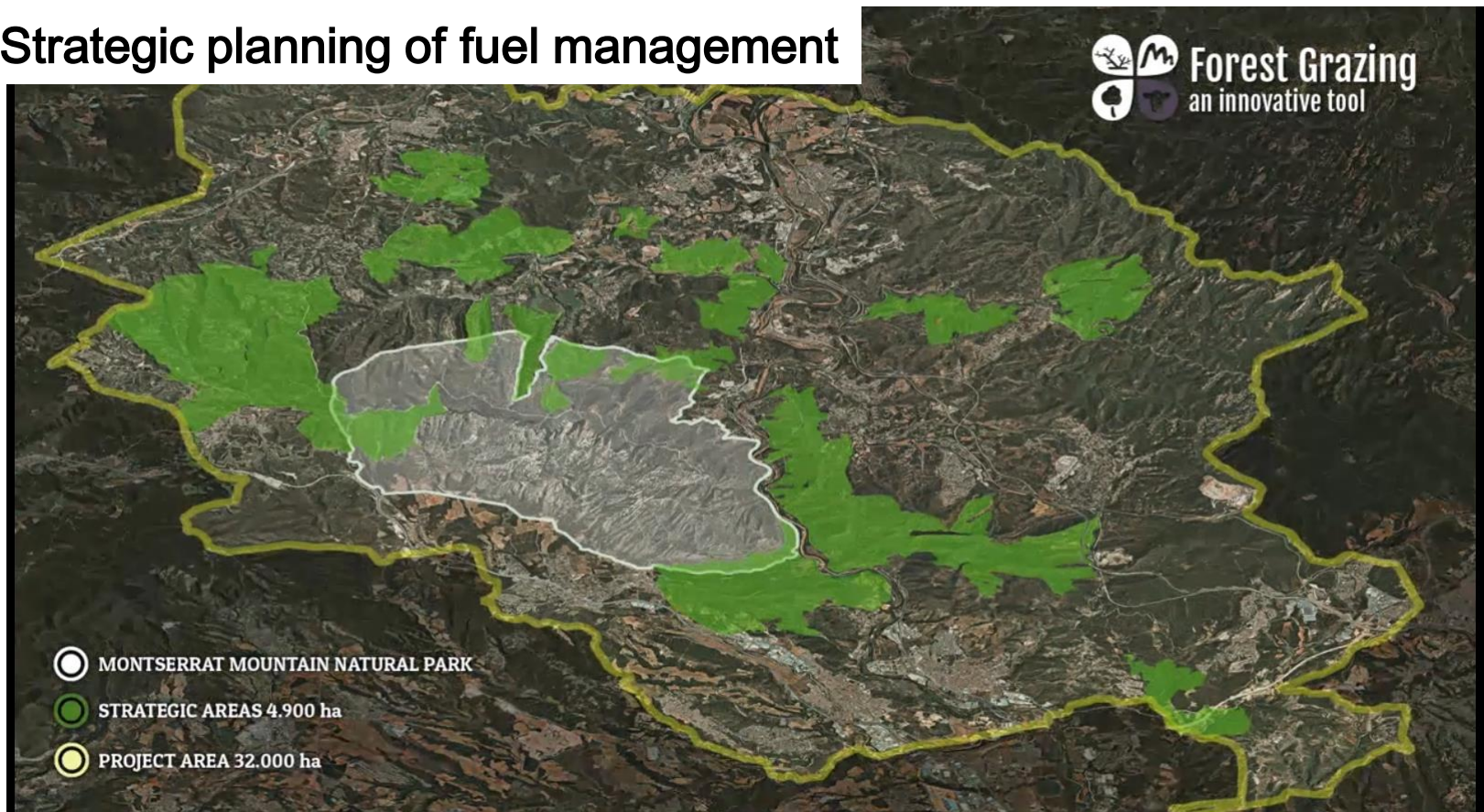


funded by the European Union Civil Protection Mechanism Programme

'To prepare for megafires, we don't need more resources, we need better managed landscapes.'

Marc Castellnou — Catalunya Fire Service

Strategic planning of fuel management



(Fonte: Life Montserrat Project)



“Fire-smart territories”

(Tedim, 2016 International Journal of Disaster Risk Reduction)



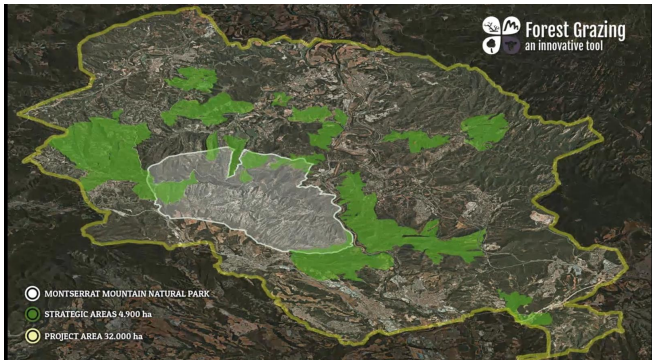
DIRECT PREVENTION= fuel management



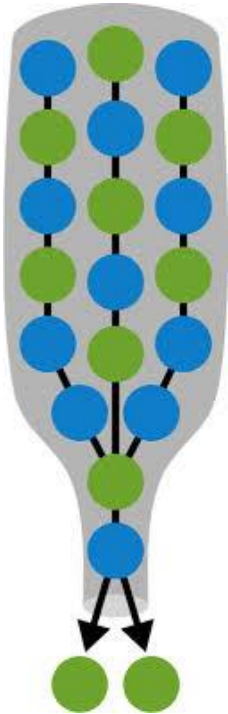
«indirect prevention»



INDIRECT PREVENTION= well-managed landscape mosaic



Fire-smart territories: what are the BOTTLENECKs?



Lack of economies of scale

- **Complexity of landscape governance**

Land tenure rights in private and public lands, ownership fragmentation, unknown land owners

- **Fragmentation of competences** across multiple fire & land management agencies ↔ **Cultural and technical barriers** to envision **cross-sectoral & multilevel wildfire risk management**

- **Funding**, mainly RDP, difficulties for attracting private investments

- **Regulatory** (e.g. prescribed burning)



Fire resilient landscapes: (em)powered by local communities

**Cost efficient &
circular processes to
sustain fuel
management =
SMART SOLUTIONS**





38 wildfire prevention initiatives in 4 EU MED Countries

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



Lessons on Fire

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: [dropdown]

Ramats de foc

BOSCOS DEL VALLES

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 fields.

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)

Format

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net risk work | FIREfficient | prevail



fire hazard reduction	Activated chain and social/environmental services	Cooperation actors
Biomass and shrub cover reduction in scrubland through mechanical cutting, prescribed burning and grazing in fuel breaks and blocks	Production and marketing of organic brooms made of <i>Ericaceae</i> (the "granatha"). Bird species and habitats (4030) conservation. Training of fire-fighting operators (AIB)	Fire-fighting operators of Toscana region (AIB), local farmers and producers.

Life Granatha: wildfire prevention raised to the cube³



Fire **prevention** by fuel management at the **landscape scale** is **integrated** with **multiple goals**

- habitat conservation**
- fire-fighters training programs**
- broom production bioeconomy chain**

Circularity

Short supply chain

Biodiversity conservation and fire ecology restoration

Social sustainability



Sustainability

Cost-efficiency in risk reduction

Knowledge exchange & transfer

Adaptive management

Synergies & Cooperation

A Smart solution generates «unexpected» connections

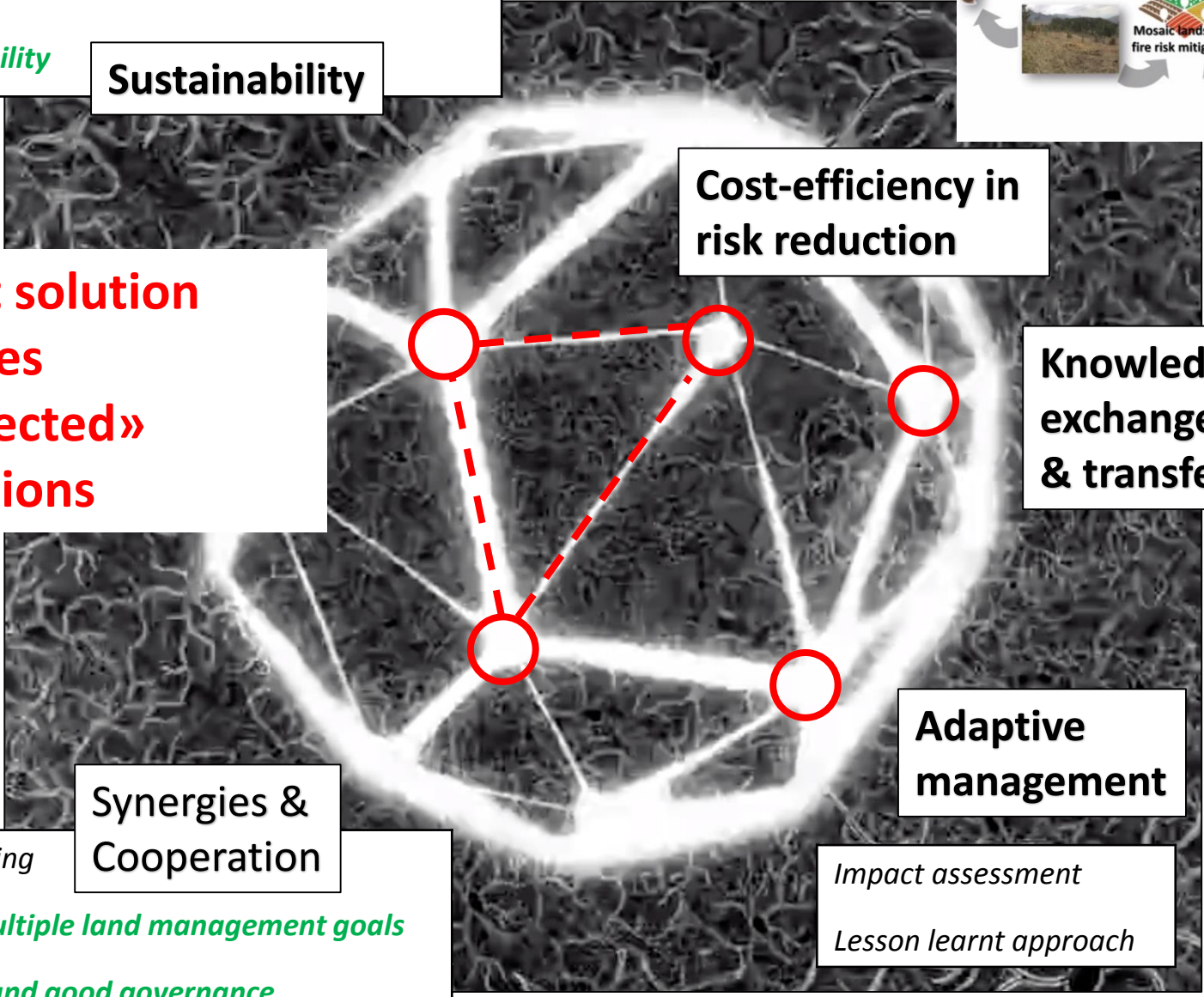
Source of funding

Integrating multiple land management goals

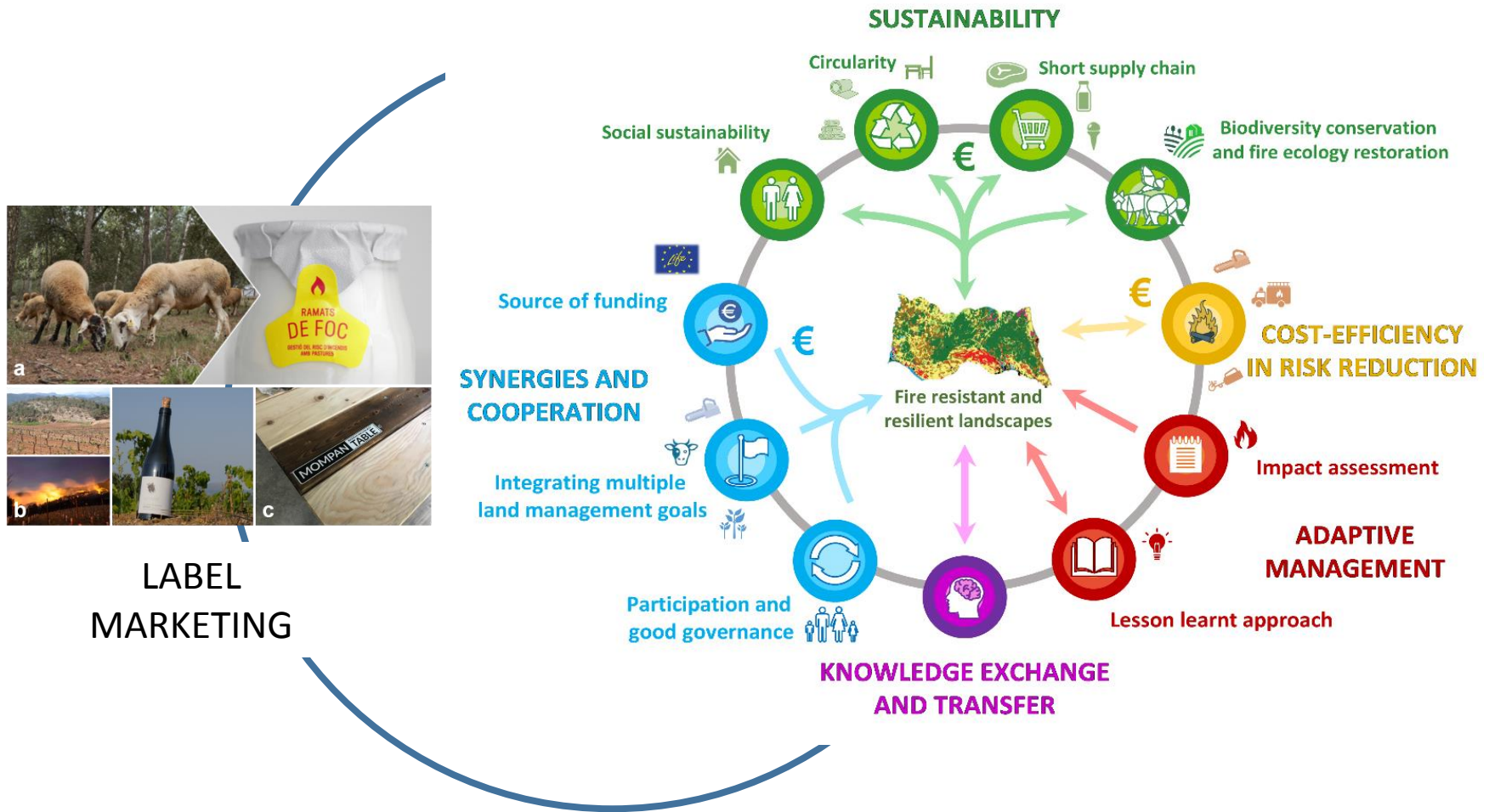
Participation and good governance

Impact assessment

Lesson learnt approach



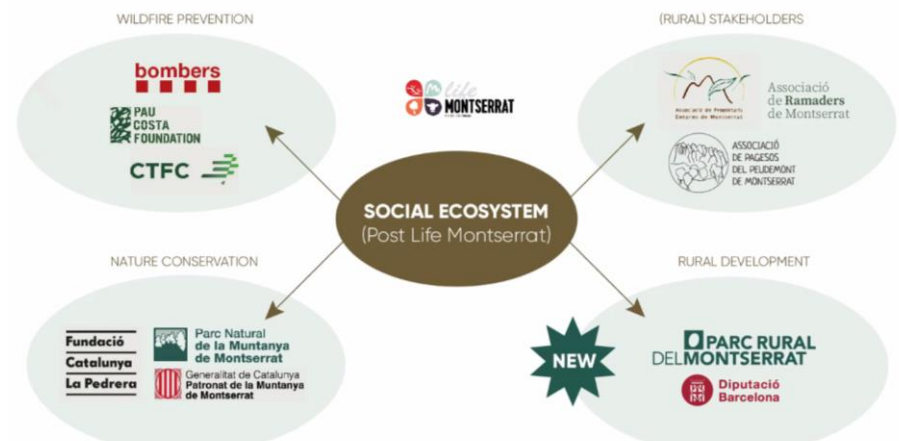
Emerging components of Smart Solutions for wildfire risk prevention



Take home msg

(i) convergence of strategic fire prevention planning + value chains (label)

(ii) local clusters of institutions and stakeholders “rowing in the same direction” (cross-sectoral and multiagency cooperation)



Source: B. Ortuno presentation, PREVAIL Workshop 21.04.14 online

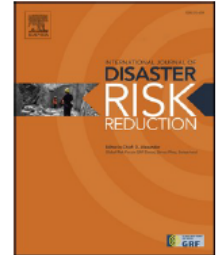


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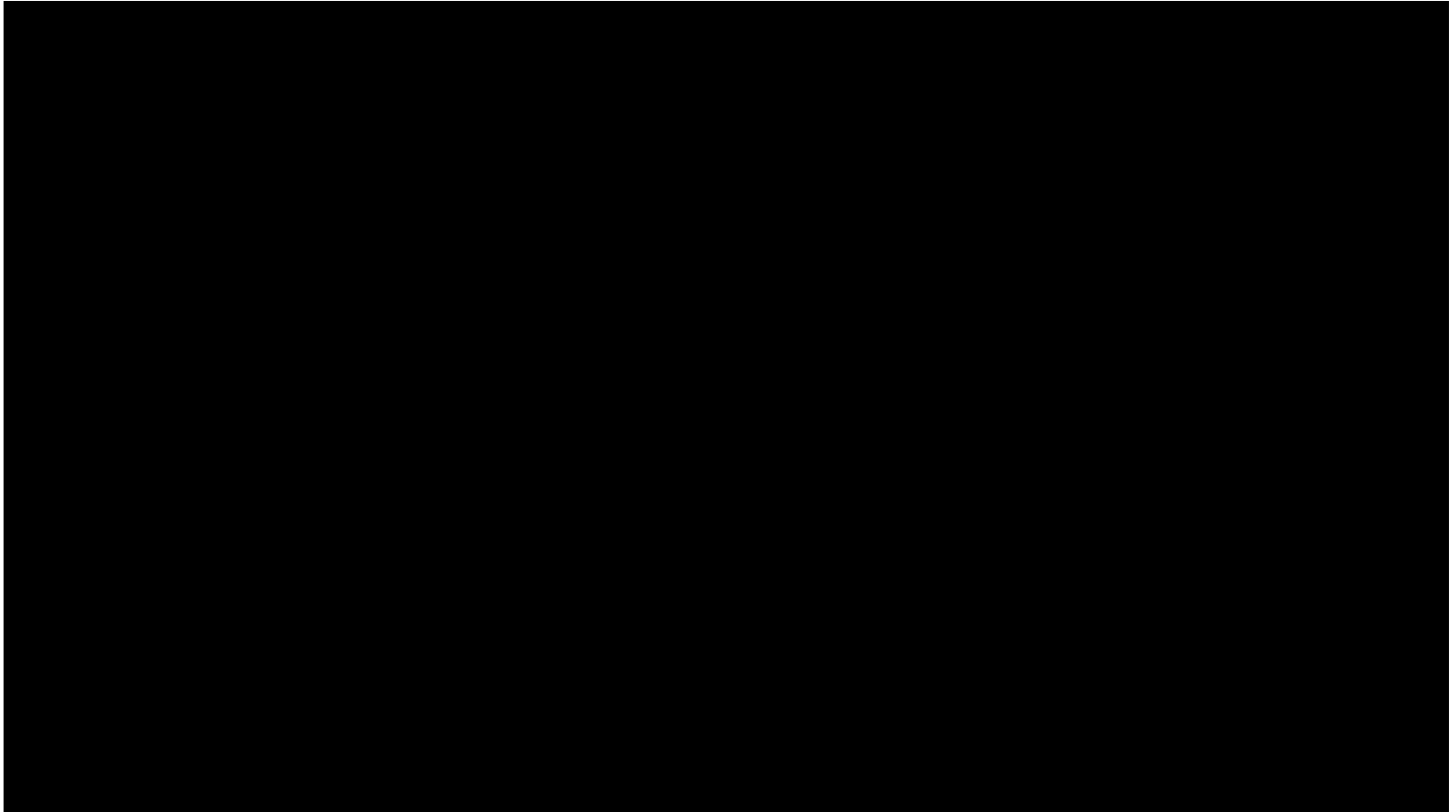


Fire-smart solutions for sustainable wildfire risk prevention: Bottom-up initiatives meet top-down policies under EU green deal

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FIRE-SMART STORIES

Documentary



<https://vimeo.com/809222543>



PREvention Action Increases Large fire response preparedness

<https://www.prevailforestfires.eu/>

