



**SEMINARIO INTERNACIONAL  
PLANIFICACIÓN Y PREVENCIÓN DE  
INCENDIOS DE PAISAJE Y EL ROL DE LA  
RESTAURACIÓN POST INCENDIOS**

Santiago, Chile, 20 y 21 de junio 2019



Chile  
en marcha



## **European Forest Risk Facility (@EFI)**

Mobilizing knowledge and expertise to enhance the resilience and adaptive capacity of forests

**Alexander HELD**

Alexander.Held@efi.int



**EUROPEAN FOREST  
INSTITUTE**



Supported by:



Federal Ministry for the  
Environment, Nature Conservation,  
Building and Nuclear Safety

based on a decision of the German Bundestag





**“A world where forests significantly contribute to sustainable wellbeing”**

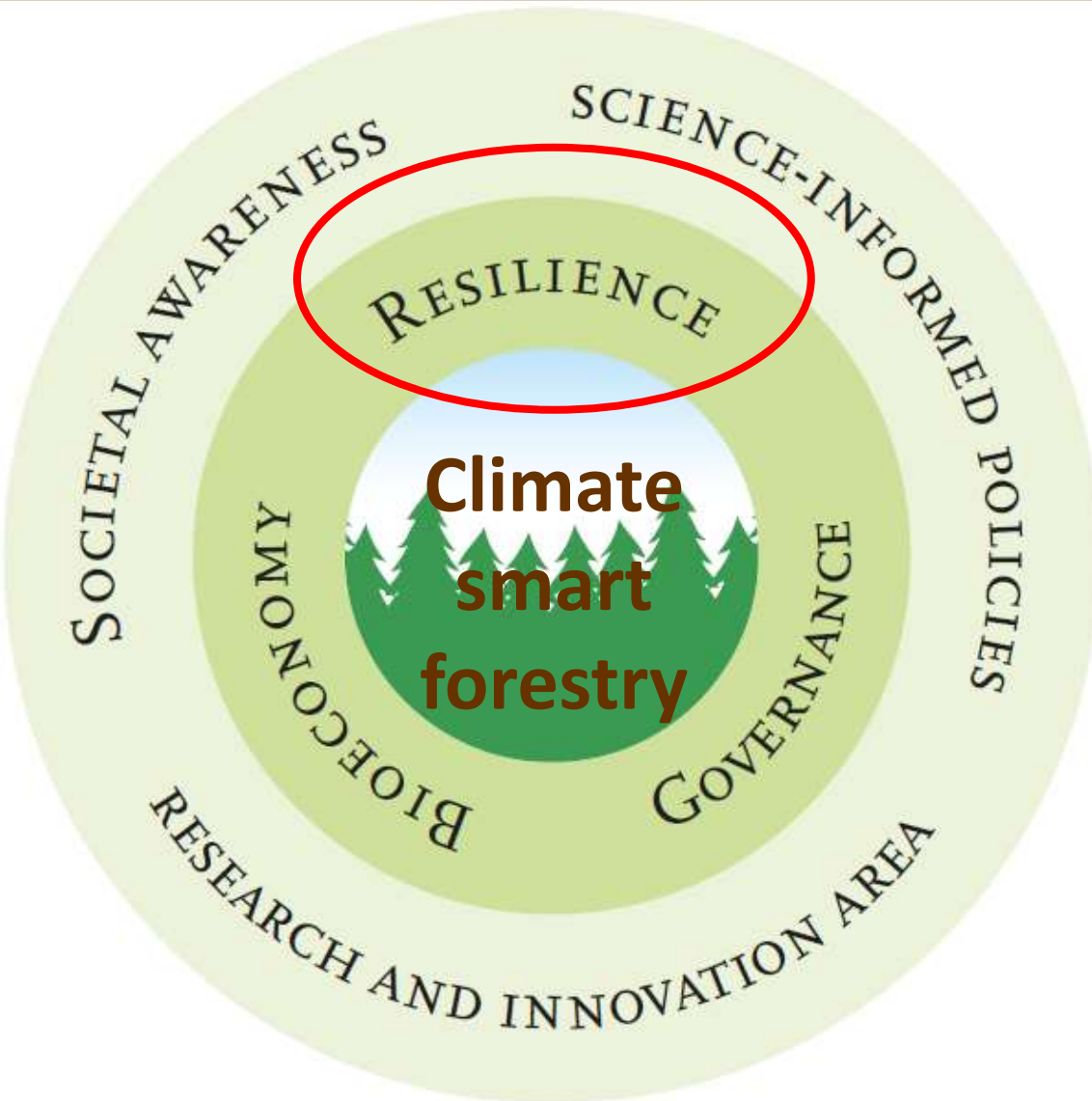
**“Connecting knowledge to action”**



Chile  
en marcha



# When it comes to fire and other disturbances.....



## The European Forest Risk Facility Initiative:

- Resilient Landscapes
- Adapted Communities
- Adequate Response

Through

Collect-Connect-Exchange



Chile  
en marcha



# Vegetation Fire, Wildfire, Forest Fire, Bushfire....



1. Fire Risk, Frequency and Intensity are increasing.
2. Our suppression approach is failing, increasingly.
3. New Risk Paradigm needed (i.e. SENDAI framework)



Chile  
en marcha



WORLD  
RESOURCES  
INSTITUTE

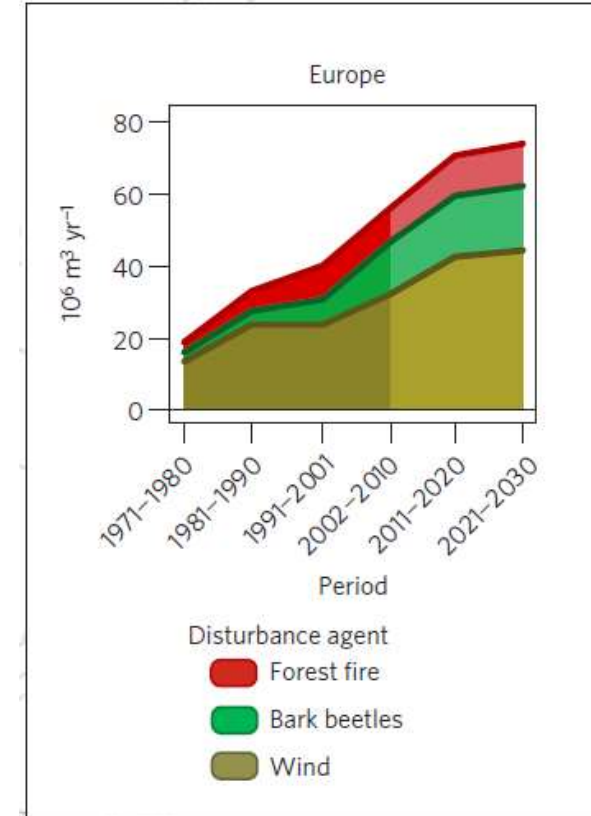
Supported by:  
Federal Ministry for the  
Environment, Nature Conservation,  
Building and Nuclear Safety  
Based on a decision of the German Bundestag



- Part of the increase in forest damages can be associated to climate change

Recent global synthesis of climate change effects on forest disturbances: Seidl. et al. 2017. Forest disturbances under climate change. Nature Climate Change 7: 395-402

- Extreme events will get more extreme with climatic change and they will exacerbate disturbance risks
- Land management can increase or mitigate this risk



Seidel et al. 2014



Chile  
en marcha





Forestry needs to adapt to sustain ecosystem functions and service provisioning

The traditional response strategies are no longer sufficient

- More devastating impacts (e.g. Mega-fires)
- Impacts affect new regions that lack the experience
- Response comes too late after the disturbance hits



More pro-active risk management is needed!

We need to get better prepared and learn from past international experiences



Chile  
en marcha

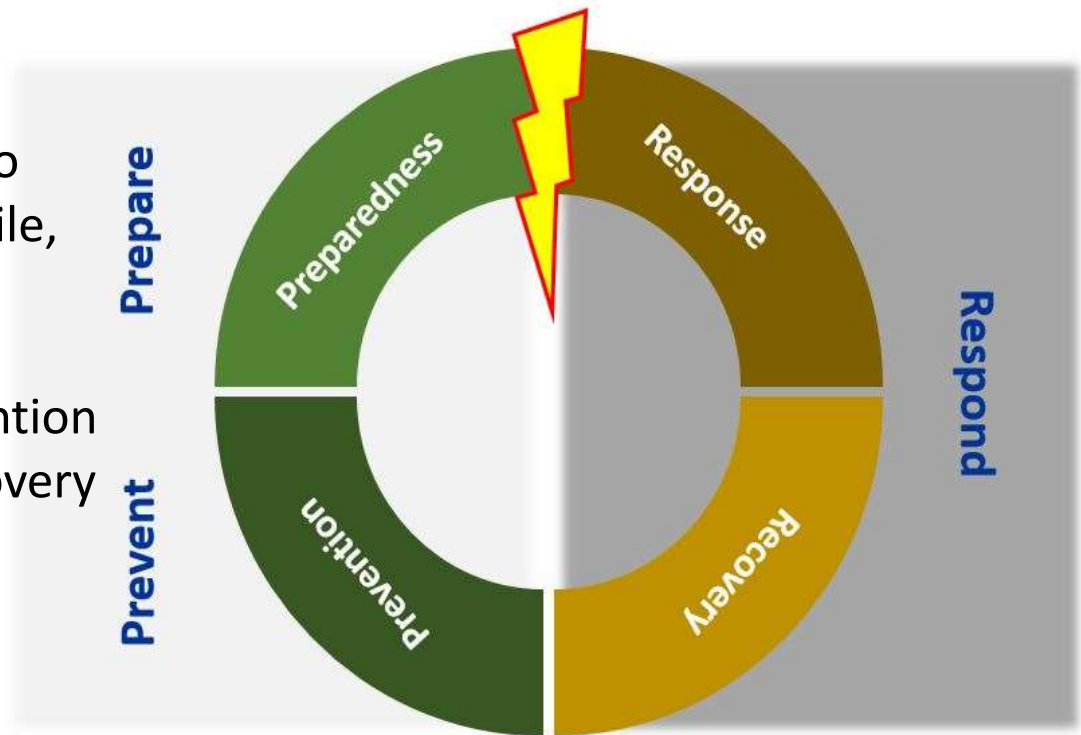




If we increasingly fail to respond to the new situations (see fires in Chile, California, Greece, etc...)

It is time to re-think and give attention to prevention, mitigation and recovery

i.e. manage the land and forest



European Forest Risk Facility [Flyer](#)



Chile  
en marcha





- Strategic Direction with shared and mutually agreed objectives (**The WHY** is crucially important)
- Enabling Policies
- Implementation Plans (**The HOW**)
- Tools (**The WHAT**)

Cooperate with EU Wildfire Hub (see JG Goldammer), CMINE Expert Group, EU EFFIS, Forest\_Europe, Pau Costa Foundation, Universities, Forest Administrations and Owners, Fire Services, Fire Associations, FAO, World Bank...and the individual champions and networks

create top-down support for bottom-up initiatives



Chile  
en marcha





## Shared Vision and Strategy of all affected and mandated stakeholders:

Forestry, Agriculture, Environment, Civil Protection, Defence Force....

- Avoid Catastrophic Fires
- Reduce Unwanted Fires
- Reduce Negative Fire Effects
- Use the Positive Fire Effects
- Increase Fire-Fighter Safety (!!!!!)

**resilient landscapes – adapted communities –adequate response**



Chile  
en marcha



# Strategic Direction needs a PLAN for....



- Rapid Detection
- Good Access
- Well trained and equipped fire fighters
- **Reduction of Fuel Load and Fuel Availability**
- **Forest Adaptation and Conversion towards:  
Continuous Cover Forestry (“Pro Silva”) or Close to Nature Forestry**



Chile  
en marcha





## European Forest Risk Facility (@EFI): Network with Thematic Nodes

- Fire
  - Bark Beetle et al. *“collect-connect-exchange”*
  - Storm
- Build and strengthen network of willing partners (“know, like, trust”)
  - Inform public opinion and inform policy
  - Build and empower capacity, training, knowledge exchange, cooperation and exchange
  - Pursue directional ideas and allow for intersectional ideas (weird, strange, crazy, out-of-the-box)



Chile  
en marcha





- Provide science-based **good practice guidance** to inform policy makers and forestry practice on how to enhance forest resilience and foster the adaptive capacity in the forest sector,
- Support **international cooperation** for disturbance risk management,
- Promote **risk prevention and preparedness** to improve the ability to cope with future disturbance events,
- Support and facilitating knowledge generation and ensuring transfer / information sharing through **capacity building** and **fast tracking of experiences**,
- Speed up the responses to new and unexpected events/topics by **mobilizing specialists**,
- Stimulate the development of **innovative practices that enhance forest resilience**,
- Empower personal and institutional expert capacity in disturbance risk management by organizing **training workshops** and **exchanges of experts**,
- Engage in **public relations and media outreach** to keep all actors well informed



Chile  
en marcha





**SEMINARIO INTERNACIONAL  
PLANIFICACIÓN Y PREVENCIÓN DE  
INCENDIOS DE PAISAJE Y EL ROL DE LA  
RESTAURACIÓN POST INCENDIOS**

**Santiago, Chile, 20 y 21 de junio 2019**

**Gracias | Thank You**