

# Iceland Liechtenstein Norway grants

The project "Development of **F**orests **RES**ilience to fires in a climate change scenario" benefits from a grant received from Iceland Liechtenstein and Norway as part of the EEA Grants and from Portugal's Government.

Working together for a **green**,  
**competitive** and **inclusive** Europe

Program Operator



Promotor



Parteners

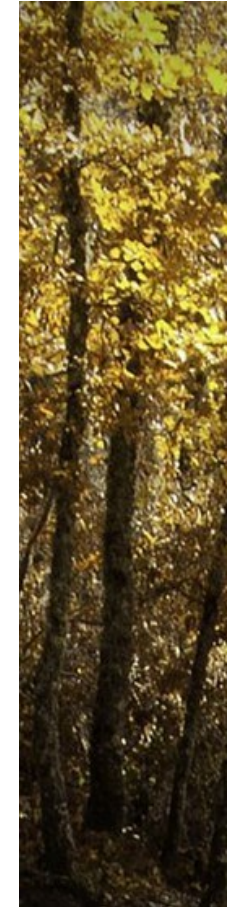


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## Development of **F**orests **RES**ilience to fires in a climate change scenario



Iceland  
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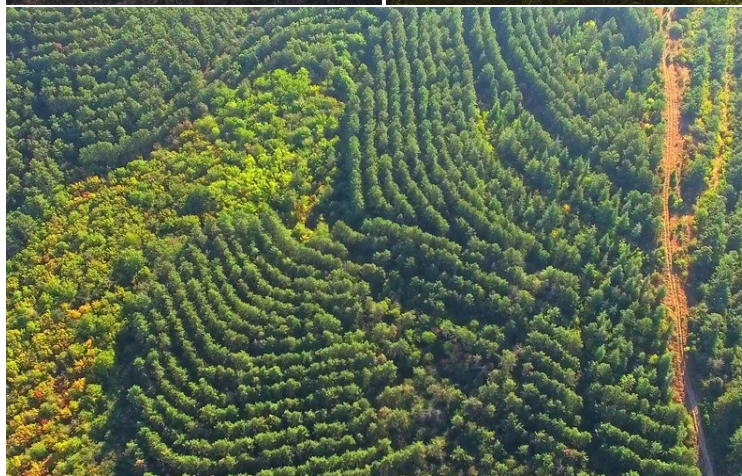
# FoRES

**FoRES is a project designed for the forests of the future.**

Forest areas are defined by the Environment Blue Book and National Action Plan to Combat Climate Change (PANCD) programmes as key areas to investigate resilience and adaptation strategies to climate change and its impacts. Portugal has favourable characteristics for forest fires due to its Mediterranean/Atlantic climate, characterized by high temperatures, low humidity, strong winds and dry vegetation. Climate changes, which will bring increases in the frequency and intensity of extreme weather events such as high temperatures, drought and desertification and fire weather risk, and land cover changes (in terms of vegetation characteristics), can have major effects on forest fires ignition and propagation potential in Portugal.



**FoRES**  
FORESTS RESILIENCE



## 01 | GOAL

Nature-based solutions that maximize forest areas resilience to spatio-temporal propagation of forest fires, capacity for CO<sub>2</sub> sequestration and soil moisture retention.

## 02 | METHODOLOGY

Implementing an innovative, fully coupled atmosphere-land-vegetation-fire spread modelling framework (WRF-SFIRE) at regional/local level.

The methodology developed by **FoRES** can be applied elsewhere.

## 03 | PRODUCTS

Integrated forest management scenarios for future climate and fire risk that minimize soil degradation and increase forest resilience to fire propagation.