



HOLISTIC MANAGEMENT OF EMERGING FOREST PESTS AND DISEASES

CONSORTIUM

22 partners around the globe

DURATION

October 2018 – September 2022

WEBSITE

homed-project.eu


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PARTNERS


 National Institute of Agricultural Research (INRA)

 Alliance Forêt Bois ® (AFB)

 CAB International (CABI)

 Institute of Zoology, Chinese Academy of Science (CAS)

 Commonwealth Scientific and Industrial Research Organisation (CSIRO)


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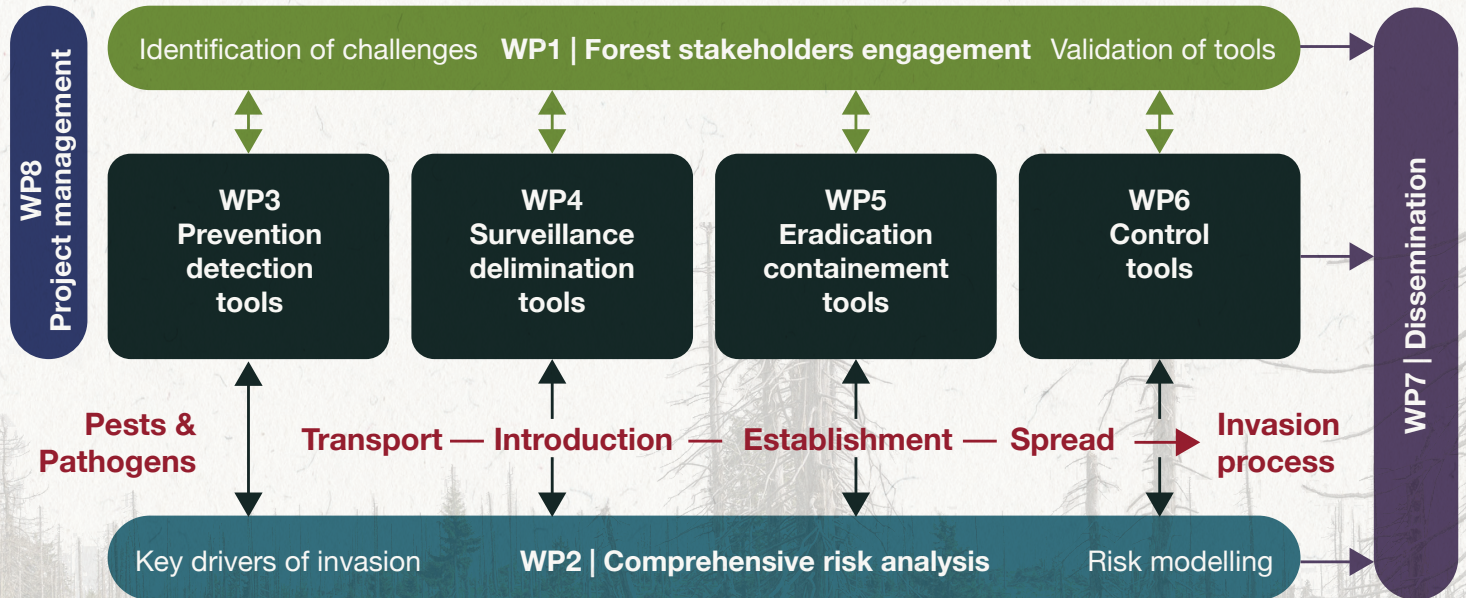
This project receives funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 771271.

BACKGROUND

Forests are the highest ranked land cover type in Europe. They provide numerous goods and services of benefit to people. In the last decades, a growing list of introduced non-native **pests and pathogens (PnPs)** have been causing dramatic losses to European trees and forests.

AIM

Adopting a holistic and multi-actor approach, HOMED aims to develop a full panel of scientific knowledge and practical solutions for the management of emerging native and non-native **pests and pathogens (PnPs)** threatening European forests.



HOMED WILL

AT A SCIENTIFIC LEVEL

- Improve the understanding drivers for forest PnPs emergence or invasion;
- Provide quantitative and spatialized predictions on PnPs introduction, establishment and spread;
- Develop a generic framework for economic assessment of PnPs risk mitigation options;
- Enhance knowledge on natural regulation of invasive tree or forest PnPs;
- Identify best options for eradication, containment and control of emerging or invasive PnPs.

AT A TECHNOLOGICAL LEVEL

- Identify genetic markers for any new threatening PnPs species;
- Perform ground detection and surveillance;
- Analyse images of PnPs symptoms on trees sent by professionals and citizens;
- Monitor PnPs affected areas;
- Develop integrated PnPs eradication strategies;
- Design advanced classical and conservation biological control methods;
- Control PnPs at an individual tree level.

AT A RISK MANAGEMENT LEVEL

- Contribute to the prevention, detection, diagnosis, eradication or control of new PnPs;
- Aid for forest stakeholders to make the most appropriate response during the pest invasion and emergence processes;
- Help choose the best options for the eradication, containment or control of emerging and invasive PnPs.