



HOMED's Final Newsletter: A closer look at our legacy

It's been four years since HOMED partners said their first Hello in Bordeaux, France.



We sure made the best out of these four years, resulting in:



[+60 scientific publications](#)



[6 educational videos](#)



[+10 graphical abstracts](#)



[6 policy briefs](#)



[+15 practice abstracts](#)

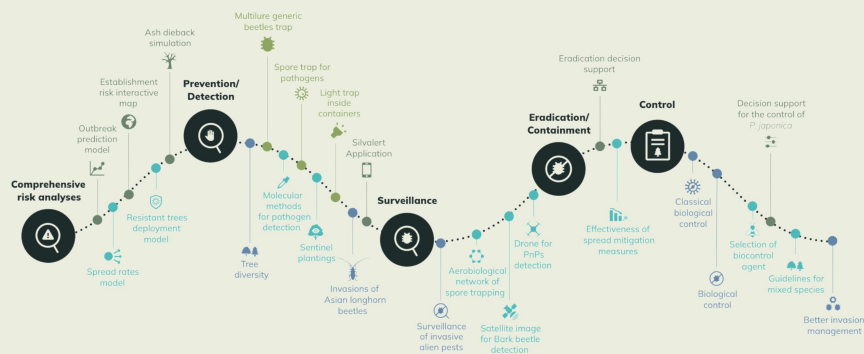


[9 tools](#)

Although the HOMED project might have ended, we are sure we will not have to say our Final Goodbye just yet, as the community of entomologists, pathologists, social scientists and science communicators who successfully collaborated to deliver these substantial results will continue to work together! And now, let's take a closer look at the project's legacy and all we achieved during this past year!

HOMED Knowledge Hub

When HOMED started in 2018, it had a clear goal in mind: to develop a comprehensive panel of scientific knowledge and practical solutions for the management of emerging native and non-native pests and pathogens. Since then, inspired by the paraphrase of French President Chirac's exclamation during the 2002 Earth Summit, "**How can we sleep, while our forests are burning?**", partners have been working tirelessly to achieve that goal. To make sure their efforts leave as solid mark as possible, HOMED launched its own **Knowledge Hub**.



The Knowledge Hub will provide information for the management of non-native forest pests and pathogens at each stage of the invasion process, with two main types of information: **practical solutions** (toolbox) and **scientific knowledge**.

[To the Knowledge Hub](#)

Some Recent HOMED Publications

Click on the image to access each paper.

Meta-analysis of tree diversity effects on the abundance, diversity and activity of herbivores' enemies

Improved Light Traps for Early Detection of Insect Pests of Phytosanitary Concern in Shipping Containers

Corythucha arcuata (Say, 1832) (Hemiptera, Tingidae) in its invasive range in Europe: perception, knowledge and willingness to act in foresters and citizens

Forest Health in Italy: Learning From the Xylella Incursion

First report of the alien ambrosia beetle *Cnestus mutilatus* and further finding of *Anisandrus maiche* in the European part of the EPPO region (Coleoptera: Curculionidae: Scolytinae: Xyleborini)

Massive windfalls boost an ongoing spruce bark beetle outbreak in the Southern Alps

Recent advances toward the sustainable management of invasive *Xylosandrus* ambrosia beetles

Large-arena field cage releases of a candidate classical biological control agent for spotted wing drosophila suggest low risk to non-target species

Expansion of Ash Dieback towards the scattered *Fraxinus excelsior* range of the Italian peninsula

Molecular-Based Reappraisal of a Historical Record of Dothistroma Needle Blight in the Centre of the Mediterranean Region

During its lifetime, HOMED produced **over 60 scientific**

publications, which you can consult on the project's website [here](#).

HOMED Policy Briefs

HOMED developed evidence-based policy recommendations that ensure the effective management of emerging pests and diseases. As part of this effort, the project has a collection of policy briefs, presenting policy-makers with well-defined insights, guidelines and possible solutions for different risks related to invasive forest pests and pathogens in Europe. This year, **HOMED's collection of policy briefs has doubled in size**, with the publication of briefs number four, five and six.



The fourth policy brief, with title **"Biological control: a novel approach to managing emerging forest diseases"**, suggests how to improve protocols and strategies related to the use of biological control to achieve an effective control of a pest.

**Read the
brief**



The fifth policy brief, called **"Classical biological control against insect pests: What influences its success?"**, provides recommendations aiming to increase the success of future classical biological control programmes against insect pests.

**Read the
brief**



HOMED's sixth policy brief, called **"Preventing invasions of Asian longhorn beetle and citrus longhorn beetle in Europe"**, focuses on the successful prevention of invasions of these two beetles which have unintentionally arrived in both North America and Europe.

**Read the
brief**

With these three new policy briefs, HOMED now has **six briefs** available on its website, providing policy- and decision-makers with practical and comprehensive insights on how to employ innovative solutions in order to manage potential risks of emerging or invasive forest pests and pathogens in Europe.

HOMED's full collection of Policy Briefs

HOMED Workshops



In April 2022, participants from all over Europe gathered in Pistoia, Italy – one of the most important areas for nursery plant production – to discuss the HOMED-developed tools for the prevention and detection of tree



In June 2022, forest health experts gathered in Bayonne, France, to discuss the HOMED tools and network for early detection of tree pests. The workshop was organised by the European Institute of Planted

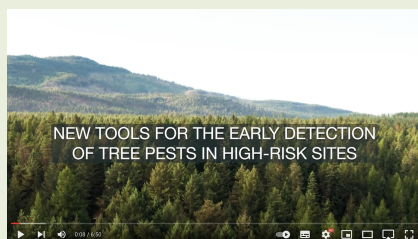
pathogens. The event, organised by the [European Institute of Planted Forest](#), was led by researchers from the [Italian National Research Council](#) and was hosted by the [Giorgio Tesi Group](#). During the workshop, researchers presented several tools, among which a **portable LAMP** and **spore traps**.



Forest, together with the [French National Research Institute for Agriculture, Food and Environment, University of Padova](#) and the French Department of forest health. It presented tools for early detection of tree pests in high-risk sites, such as a **multi-lure generic beetle trap** and a **light trap for containers**.

In January 2022, HOMED held its third workshop with PhD students and post-doctoral researchers. The topic was **Science communication**, the benefits and challenges related to it. [Pensoft Publishers](#) presented best practices in science communication, along with useful guidelines on how to create impactful visual content.

HOMED Tutorial Videos



This recent HOMED tutorial video shows stakeholders how to employ two simple yet effective tools for the early detection of tree pests in high-risk sites: the **multi-lure generic beetle trap** and a **light trap for containers**.

[Watch video](#)



This video demonstrates how to sample spores of fungal pathogens using the **ROTTRAP 52 device**, which was further developed by HOMED partner Miloň Dvořák from the [Mendel University in Brno](#), Czech Republic.



This video demonstrates tools for prevention and detection of tree pathogens, such as the **portable LAMP** and a **spore trap**. These are of interest to nurseries, plant health authorities, plant importers, and scientific researchers.

[Watch video](#)



This video – created by HOMED members Dr Fernanda Colombari and Prof. Andrea Battisti – shows how to construct **inexpensive traps** to detect the presence of non-native beetles, which were used in a citizen-science project in high schools.

Watch video

Watch video

HOMED Practice Abstracts

In addition to the first collection of HOMED practice abstracts published on the [European Innovation Partnership for Agricultural Productivity and Sustainability \(EIP-AGRI\) platform](#), a **second batch of four practice abstracts** was added to the collection with the most recent findings of the project, identified as useful for practitioners.



Recently, HOMED published its **third batch of seven practice abstracts** on EIP-Agri and will submit one final batch of three more practice abstracts soon!

Read HOMED's abstracts

HOMED in the media

In May 2022, HOMED was featured in the latest issue of [EIP-AGRI's Agrinnovation magazine](#). This eighth edition of the magazine places forests in the spotlight. "It is critical that we preserve our tree populations", Director-General Wolfgang Burtscher says, and to motivate stakeholders to do so, EIP-AGRI decided to tell the stories of some of the inspiring forest health advocates. Among them - the HOMED project.

Read more

The [Global Plant Council](#) recognised HOMED's efforts in enhancing the health of forests and boosting their vitality through a set of **well-defined insights, guidelines and possible solutions** for different risks related to invasive forest pests and pathogens in Europe. It published an article **celebrating HOMED's** collection of policy briefs that advance the health of forest ecosystems.

Read more

HOMED at events



In July 2022, entomologists from



In September 2022, the

around the world gathered in Helsinki, Finland, to attend the [XXVI International Congress of Entomology 2022](#). Among the visitors, there were many HOMED researchers who were eager to share their latest results and learn from their colleagues' work.

[Read more](#)

[International Union of Forest Research Organizations](#) all **Division 7** (Forest Health, Pathology and Entomology) **2022 conference** took place in Lisbon, Portugal. Many HOMED members had the chance to attend the conference and share their outcomes so close to the project's end.

[Read more](#)

HOMED Final Meeting

The HOMED final meeting took place between 12 and 14 September 2022 in Lisbon, Portugal, back to back with the project's attendance at [IUFRO All-Division 7 2022 Conference](#) the week before. Representatives of all partner institutions gathered to mark the end of a four-year research collaboration, including HOMED experts from the USA, Australia, New Zealand, China and South Africa.



And we are not finished just yet!



Conceptual and technical innovations to better manage invasions of alien pests and pathogens in forests

Editors:

Hervé Jactel, Christophe Orazio,
Christelle Robinet, Alberto Santini,
Andrea Battisti, Manuela Branco,
Marc Kenis



HOMED will publish its main research outcomes in the form of a **Special issue** of the scientific open access journal [NeoBiota](#). The Special issue will be called "Conceptual and technical innovations to better manage invasions of alien pests and pathogens in forests" and will include approx. 20 articles devoted to the subject.

COMING SOON

Thank you for supporting **HOMED** and forest health!

Check out HOMED's previous newsletters [here](#).



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