

# HOPE HOME Fungi Lab



## Short Name

HHFL

## Formal Name

HOPE HOME Fungi Lab

## Contact Person

Kateryna Krolenko

## Institution/Organisation

HOPE HOME - НАДІЯ

## Website

<https://hope-home.info/>

## Social Media



[@hope.home.nadiya/](#)



In a true spirit of Ukrainian toloka,  
uniting citizens to build circular  
communities that thrive even in  
times of crisis



## Summary

HHFL is a pioneering initiative in Kyiv, Ukraine, dedicated to exploring fungi-based building materials for sustainable reconstruction. Over the seven-month period, the activities will be centred around a mycology lab at the Kyiv National University of Construction and Architecture campus and will engage local stakeholders in the research, development, and outreach process. This lab will train local volunteer citizens using expertise from Berlin TU. The research will focus on developing fungi-based insulation bricks, incorporating war debris, and optimising material properties while testing their safety and asbestos-neutralising potential.

To answer the question: How could sustainable building and art practices aid Ukraine's reconstruction while providing a model for circular communities of the future?—we will engage local bio hubs, university students, and other local community groups, and create our “mycelium network” to turn devastation into sustainable reconstruction, using biomaterials to rebuild with zero CO<sub>2</sub> emissions and reduce hazardous waste.