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France

May 13  
| 15H

CET/Paris time  
On line

LIA FORESTIA  
web seminars round  
2022

#2



## CLIMATE CHANGE EFFECTS ON FOREST ECOSYSTEMS IN THE LIGHT OF INTERACTIONS BETWEEN TREES AND PHYTOPHAGOUS INSECTS

### ABSTRACT :

Forest ecosystems are arenas for complex and dynamic interactions between trees and phytophagous insects. This complexity partly results from the increasing exposure of such ecosystems to climate change. Using different systems of tree-insect-climate interactions in Mediterranean and tropical forests, I will discuss how components of the biotic and abiotic environment of bark beetle communities can modulate their impact on the health of natural and exploited forests. I will also discuss how multidisciplinary approaches shed light on tree-insect-environment interactions in our changing world.



### Short Curriculum Vitae :

Thomas Boivin is a permanent researcher at the INRAE Ecology of Mediterranean Forests research unit (UR629, Avignon, France) since 2005. As a population biologist, his research falls within the framework of the impact of global change on forest biocenoses, including biological invasions and climate change. He is conducting multidisciplinary approaches based on ecology, physiology, genetics, population dynamics and modelling to 1) understand the role of insects in the dynamics and evolution of forest ecosystems, and 2) integrate plant-insect interaction processes into analytical and predictive models of the responses of forest ecosystems to global change.



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Next seminar  
on June 10