



# Pengcheng LAI

INTERN OF THE GLOBAL FOREST RESOURCES ASSESSMENT TEAM

Forestry Division, FAO

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*About me: Curious, detail-oriented, and always ready to explore creative ways to generate insights from data. This CV is created by R package vitae and the source code can be found [here](#).*

## Education

### Master of Science, Ecology

Nancy, France

AGROPARISTECH

09.2021 - 09.2022

- Deep insights into forest ecosystems and their dynamics from local to global scales under environmental changes using modeling approaches.
- Thesis: Global tree distribution disequilibrium dynamics: View of land-use transformation and paleoclimate anomaly([ACCESSIBLE HERE](#)). Independently analyzed and constructed species distribution models for global data sets aiming to address the impact of past land use and paleoclimate changes on tree disequilibrium status quo.
- CGPA: 15.2/20; Labex ARBRE Scholarship

### Exchange student

Helsinki, Finland

UNIVERSITY OF HELSINKI

01.2021 - 06.2021

- Member of Lanague Centre Course Assistant.

### Bachelor of agriculture, Forestry

Hangzhou, China

ZHEJIANG AGRICULTURE AND FORESTRY UNIVERSITY

09.2017 - 06.2021

- Solid foundation in climate science and ecology: Forest Meteorology, Forest Ecology, Forest Soil Science(focus on ecosystem biogeochemistry), etc. marked as excellent.
- CGPA: 4.01/5; Zhejiang Provincial Government Scholarship

## Academic experience

### Intern

Nancy, France

UMR SILVA, INRAE

02.2022 - 08.2022

- Worked with Dr. JM Serra-Diaz on The Tree Distribution Disequilibrium Dynamics(master thesis). Due to the complexity of the matter and time limitations, the final statistical analysis is still under discussion.
- Skilled user of R spatial packages: terra, raster, sf, etc.
- Funded by AgroParistech, the research proposal was also approved and received external funding from Labex ARBRE.

### Research team member

Vosges, France

AGROPARISTECH / INRAE / UNIVERSITY OF LORRAINE

10.2021 - 12.2021

- Under the supervision of Dr. Pinto Paulina, The Recent Growth Trend of Silver Fir (*Abies Alba* Mill.) study aims to target the effects of recent environmental change.
- Strengthened skills in fieldwork, dendrochronological analysis, data wrangling and visualization.

## Professional experience

### Intern

Rome, Italy

FOREST RESOURCES ASSESSMENT TEAM, FAO

11.2022 - Present

- One of the major goals targeting at dissemination of expert knowledge of country profiles to the general public, for which an interactive approach using Shiny(in R) is to be developed.
- Sponsored by the China scholarship council.

### Technician

Tianmushan, China

ZHEJIANG AGRICULTURE AND FORESTRY UNIVERSITY

07.2020 - 09.2020

- Assisted in the NSFC project Research on the Stability of Spatial Structure and its Effects on the Growth of Trees in Mixed Forest Based on Topological Relationship under Dr. Tang Mengping's supervision.
- Enhanced skills in fieldwork and forest inventory data processing.