



AMAP

UPDATE : 2024/09/02

# AMAP Lab - botAny and Modeling of Plant Architecture and vegetation

**SEMINARS**  
Zhun Mao (CR INRAE)  
Marie-Hélène Lafond (T CIRAD)

**PREVENTION**  
Stéphane Fournier (AI INRAE)

**IN-SERVICE TRAINING**  
Marie-Laure de Guillen (AI CNRS)  
Gaëlle Viennois (IR CNRS)

**MANAGEMENT**  
Director: Raphaël Pélissier (DR IRD)  
Deputy director: Alexia Stokes (DR INRAE)  
Deputy director: Marc Jaeger (CS CIRAD, Hdr)  
Administrator: Héloïse Lemoine (IE IRD)

**ADJUNCT DIRECTORS**  
Scientific referent for CNRS: Anne-Laure Decombeix (CR CNRS)  
Referent for teaching activities and for Montpellier University: Eric Marcon (PR APT)

**QUALITY**  
Stéphane Fournier (AI INRAE)

**IT, SECURITY AND PERSONAL DATA MANAGEMENT**  
Hatem Krit (CA CIRAD)

## MAIN RESEARCH LINES (AXES)

**BIODIVERSITY**  
Systematics, Biogeography, Ecology  
Head: Fabien Anthelme (DR IRD)

**BIOMASS**  
Dynamics et production of plants and plant communities  
Head: Pierre Couteron (DR IRD)

**DIGITAL PLANTS**  
Models, analyses et data from organs to ecosystems  
Heads: Jean-Baptiste Durand (CS CIRAD), Hervé Goëau (CS CIRAD)

**INTERACTIONS**  
*Biotic interactions, plant adaptation and ecosystem functioning*  
Leaders: Laurence Gaume (CR CNRS, Hdr)

**BIOMIME**  
*Functional biology and biomimetics*  
Leader: Nick Rowe (DR CNRS)

**EASE**  
*Applied ecology and ecosystem services*  
Leaders: Zhun Mao (CR INRAE), Jean-Luc Maeght (IR IRD)

**TETROFOR**  
*Remote sensing of tropical vegetations*  
Leaders: Nicolas Barbier (CR IRD, Hdr), Gaëlle Viennois (IR CNRS), Grégoire Vincent (CR IRD, Hdr)

**ARCHI**  
*Plant architecture and functioning*  
Leaders: Patrick Heuret (CR INRAE, Hdr), Sandrine Isnard (CR IRD)

**BIAS**  
*Biodiversity informatics and Machine learning in Agrosiences*  
Leaders: Philippe Borianne (CS CIRAD), Hervé Goëau (CS CIRAD)

**FSPM**  
*Functional Structural Plant Models*  
Leader: Rémi Vezy (CS CIRAD)

**MAGNET**  
*Modeling and analysis for tropical agronomy and ecosystems*  
Leader: Yves Dumont (CS CIRAD, Hdr)

**SYSTE**  
*Systematics and biogeography of extant and fossil plants*  
Leaders: Anne-Laure Decombeix (CR CNRS, Hdr), Jérôme Munzinger (CR IRD, Hdr)

**DyAFOR**  
*Dynamics and community assembly of tropical forests*  
Leaders: Claire Fortunel (CR IRD), Isabelle Maréchaux (CR INRAE), Maxime Rejou-Méchain (CR IRD, Hdr)

**DISTEC**  
*DISturbance ECOlogy in a changing World*  
Leaders: Tirstan Charles-Dominique (CR CNRS), Immaculada Oliveras Menor (CR IRD)

## ADMINISTRATION AND COMMUNICATION (POLADCOM)

Leader: Héloïse Lemoine (IE IRD)

**INFORMATION COMMUNICATION**  
Head: Hatem Krit (CA CIRAD)

**ADMINISTRATIVE AND FINANCIAL MANAGEMENT**  
Head: Héloïse Lemoine (IE IRD)

Hatem Krit (CA, CIRAD), Project leader  
Yannick Brohard (IE CNRS), Documentation  
Marie-Hélène Lafond (T CIRAD), Webmaster

Jynn Bouziane (T INRAE), INRAE/IRD management  
Marie-Laure de Guillen (AI CNRS), CNRS/UM management  
Nathalie Hodebert (CA CIRAD), INRAE/CIRAD management  
Valérie Roinel (AI IRD), IRD management  
Caroline Zabarino (T CIRAD), CIRAD management

## TECHNICAL AND EXPERIMENTAL SUPPORT (POLTEX)

Leaders: Jean-Luc Maeght (IR IRD) & Anne-Laure Decombeix (CR CNRS)

**TECHNICAL PLATFORMS**  
Anatomy-Histology referents: Chantal Geniez (TR IRD), Sandrine Isnard (CR IRD)  
Paleobotany referents: Merlin Ramel (TR INRAE), Anne-Laure Decombeix (CR CNRS, Hdr)  
Biomechanics referent: Nick Rowe (DR CNRS)  
Microscopy referent: Stéphane Fournier (AI INRAE)

**BOTANY**  
Referents: Julien Engel (IE IRD), Vanessa Hequet (IE IRD)

**FIELD / LAB SUPPORT**  
Quentin Le Blaye (AJT INRAE), Sophie Nourissier (T CIRAD)

**ENVIRONMENTAL STUDIES**  
Drone and functional features referents: Stéphane Fournier (AI INRAE), Nicolas Barbier (CR IRD)  
Terrestrial LIDAR referents: Merlin Ramel (TR INRAE), Grégoire Vincent (CR IRD)

## HERBARIA, COLLECTIONS & OBSERVATORIES

**NOU – Noumea Herbarium**  
Head: David Bruy (IE IRD)

**Paleobotany collection**  
Head: Anne-Laure Decombeix (CR CNRS, Hdr)

**CAY – French Guiana Herbarium**  
Head: Sophie Gonzalez (IE IRD)

**Central African orchid Shadehouses Network**  
Head: Vincent Droissart (CR IRD)

**Networks of botanical inventory plots in tropical forest**  
Head: Julien Engel (IE IRD)

## SCIENTIFIC COMPUTING (POLIS)

Leader: Philippe Verley (IR IRD)

**AMAP-DATA** Scientific data management  
Contact: Yannick Brohard (IE CNRS)

**AMAP-GIS** Geographic Information System  
Contact: Gaëlle Viennois (IR CNRS)

**AMAP-STAT** Statistical modeling  
Contact: Dominique Lamonica (IE IRD)

**AMAP-DEV** Developer's Office  
Contact: Philippe Verley (IR IRD)

**AMAP-HPC** High-performance computing  
Contact: Thomas Arsouze (IR CIRAD)

**AMAP-SYS** System administration  
Contact: Mathias Chouet (IE CIRAD)

## SOFTWARE PLATFORMS

**PI@ntNet - Participatory botany platform Project**  
Project leaders: Pierre Bonnet (CR CIRAD) – Alexis Joly (CR INRIA)

**CAPSIS - Forest modeling platform**  
Project leader: François de Coligny (IR INRAE)

