



AMAP



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# AMAPLab botAny and Modeling of Plant Architecture and vegetation

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

**HEALTH AND SAFETY**  
Stéphane Fourtier (AI INRAE)

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

**QUALITY**  
Stéphane Fourtier (AI INRAE)

**Management**  
**Director:** Thierry Fourcaud (DR CIRAD)  
**Deputy director:** Raphaël Pélissier (DR IRD)  
**Administrator :** Héloïse Lemoine (IE, IRD)

**Adjunct director:**  
Scientific referent for CNRS: Brigitte Meyer-Berthaud (DR CNRS)  
Scientific referent for INRAE: Alexia Stokes (DR INRAE)  
Referent for teaching activities and for Montpellier University: Eric Marcon (PR APT)

**SCIENTIFIC EQUIPMENT**  
Stéphane Fourtier (AI INRAE)

**COMPUTER EQUIPMENT**  
Sylvie Beauclair (T CIRAD)

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

## MAIN RESEARCH LINES (AXES)

<p><b>BIODIVERSITY</b> Systematics, Biogeography, Ecology</p> <p>Head: Fabien Anthelme (DR IRD)</p>	<p><b>BIOMASS</b> Dynamics and production of plants and plant communities</p> <p>Head: Pierre Couteron (DR IRD)</p>	<p><b>DIGITAL PLANTS</b> Models, analyses and data, from organs to ecosystems</p> <p>Animateur: Marc Jaeger (DR CIRAD)</p>
<p><b>INTERACTIONS</b> <i>Biotic interactions, plant adaptation and ecosystem functioning</i></p> <p>Leaders : Laurence Gaume (CR CNRS, Hdr) Céline Leroy (CR IRD, Hdr)</p>	<p><b>BIOMIME</b> <i>Functional biology and biomimetics</i></p> <p>Leader : Nick Rowe (DR CNRS)</p>	<p><b>BIAS</b> <i>Biodiversity informatics and Machine learning in Agrosociences</i></p> <p>Leaders : Philippe Borianne (Ing CIRAD) Hervé Goëau (CR CIRAD)</p>
<p><b>SYSTE</b> <i>Systematics and biogeography of extant and fossil plants</i></p> <p>Leaders : Anne-Laure Decombeix (CR CNRS, Hdr) Jérôme Munzinger (CR IRD)</p>	<p><b>EASE</b> <i>Applied ecology and ecosystem services</i></p> <p>Leaders : Zhun Mao (CR INRAE) Jean-Luc Maeght (IR IRD)</p>	<p><b>FSPM</b> <i>Functional Structural Plant Models</i></p> <p>Leaders : Jean Dauzat (CR CIRAD) Rémi Vezy (CR CIRAD)</p>
<p><b>DyAFOR</b> <i>Dynamics and community assembly of tropical forests</i></p> <p>Leaders : Claire Fortunel (CR IRD) Isabelle Maréchaux (CR INRAE) Maxime Rejou-Méchain (CR IRD)</p>	<p><b>TETROFOR</b> <i>Remote sensing of tropical vegetations</i></p> <p>Leaders : Nicolas Barbier (CR IRD) Gaëlle Viennois (IR CNRS) Grégoire Vincent (CR IRD, Hdr)</p>	<p><b>MAGNET</b> <i>Modeling and analysis for tropical agronomy and ecosystems</i></p> <p>Leader : Yves Dumont (DR CIRAD)</p>
	<p><b>ARCHI</b> <i>Plant architecture and functioning</i></p> <p>Leaders : Patrick Heuret (CR INRAE, Hdr) Sandrine Isnard (CR IRD) Sylvie-Annabel Sabatier (CR CIRAD, Hdr)</p>	

## COMMON SERVICES

<p><b>INFORMATION COMMUNICATION SERVICE</b></p> <p>Head Hatem Krit (Cadre CIRAD)</p>	<p><b>HERBARIA &amp; COLLECTIONS</b></p>
<p><b>ADMINISTRATIVE AND FINANCIAL MANAGEMENT SERVICE</b></p> <p>CIRAD: Nora Bakker (Cadre CIRAD) CNRS/UM: Marie-Laure de Guillen (AI CNRS) INRAE: Nathalie Hodebert (Cadre CIRAD) IRD: Valérie Roinel (T IRD)</p>	<p><b>NOU - Nouméa Herbarium</b></p> <p>Head: David Bruy (IE IRD) Scientific referent: Jérôme Munzinger (CR IRD)</p>
<p><b>SERVICE EXPERIMENTATION</b></p> <p>Responsable Stéphane Fourtier (AI INRAE)</p>	<p><b>CAY – French Guiana Herbarium</b></p> <p>Head: Sophie Gonzalez (IEHC IRD) Scientific referent: Jean-François Molino (CR IRD)</p>
<p>Scientific referent <i>Biomechanics platform :</i> Nicholas Rowe (DR CNRS)</p> <p>Scientific referent <i>Microscopy-Anatomy platform :</i> Anne-Laure Decombeix (CR CNRS)</p>	<p><b>ALF - CIRAD tropical herbarium</b></p> <p>Correspondent: Thomas Le Bourgeois (DR CIRAD)</p>
<p><b>BIBLIOTHEQUE</b></p> <p>Responsable Yannick Brohard (AI CNRS)</p>	<p><b>Paleobotany collection</b></p> <p>Scientific referent: Brigitte Meyer-Berthaud (DR CNRS)</p>
	<p><b>Ombrières à orchidées</b></p> <p>Head: Vincent Droissart (CR IRD)</p>
	<p><b>OBSERVATOIRE</b></p> <p>Réseaux de parcelles d'inventaire en forêt tropicale</p> <p>Head: Julien Engel (IE IRD) Scientific referent : Raphaël Pélissier (DR IRD)</p>

## SCIENTIFIC COMPUTING

<p><b>AMAP-DEV</b> Developer Office</p> <p>Contact: Philippe Verley (IR IRD)</p>	<p><b>AMAP-DATA</b> Scientific data management</p> <p>Contact : Jérôme Perez (IE IRD)</p>	<p><b>AMAP-SIG</b> Geographic Information System</p> <p>Contact : Gaëlle Viennois (IR CNRS)</p>	<p><b>AMAP-HPC</b> High-performance computing</p> <p>Contact: Philippe Verley (IR IRD)</p>
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## 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)

