

## IUFRO World Days

September 28th, 17h00-18h00 UTC

### 1.02.00 Tropical and subtropical silviculture

## Management of tropical natural forests: why we need a paradigm shift?



The monitoring of tropical rainforest dynamics for several decades within permanent plots suggests that the rules of selective logging in tropical rainforests (cutting intensity and duration of rotations) currently set by most forestry legislation cannot ensure a sustainable timber yield on a long term basis. The present conditions, which are supposed to promote sustainable management, are largely questioned by science. It is therefore urgent to think about new management rules and practices and to anticipate new sources of timber because natural forests alone will not be able to supply tomorrow's timber demand. The very principles of tropical silviculture still in force today as well as the place of natural tropical production forests in a context of climate change must be completely reviewed. Restoration programs are an opportunity to think about a planned forestry transition adapted to this paradigm shift, which is as necessary as it is vital for the future of tropical rainforests.

**Organizer: Plinio Sist & Marie Ange Ngo Bieng**

**Speakers:**



Plinio Sist is the director of the Research Unit Forests and Societies at Cirad (<https://ur-forets-societes.cirad.fr/en>) and the coordinator of subdivision 1.02.00 Tropical and subtropical silviculture at [IUFRO](#). He is a tropical forest ecologist with more than 25 year experience in South America (Brazil, Ecuador, Peru, Costa-Rica) and South East Asia (Indonesia, Malaysia).



Marie Ange Ngo Bieng is a forest ecologist at Cirad based in CATIE in Costa Rica and deputy director of subdivision 1.02.00 at IUFRO. She is working on forest landscape restoration and management of tropical secondary forests in Central America;

**Program:**

**17h00-17h15:** Management of tropical natural forests: why we need a paradigm shift? presented by Plinio Sist with Camille Piponiot, Milton Kanashiro, Marielos Peña-Claros, Mark Schulze, Adalberto Verissimo and Edson Vidal

**17h15-17h30:** Relevance of secondary tropical forest for landscape restoration Marie-Ange Ngo Bieng with Maïri Souza Oliveira, Jean-Marc Roda, Manuel Boissière, Bruno Hérault, Philippe Guizol, Roger Villalobos, Plinio Sist

**17h30-18h00:** Discussion