



**São Paulo School of Advanced Science on Scenarios and Modelling on Biodiversity and Ecosystem Services to Support Human Well-Being**

## **Roberta Zecchini Cantinho**

United Nations Development Programme (UNDP)  
Ministry of Science, Technology, Innovations, and Communication (MCTIC)  
rzcantinho@gmail.com

During the graduation in Forest Engineering in the Federal University of Paraná (UFPR) got involved in projects that used Remote Sensing (RS) techniques to quantify forest biomass/carbon stocks. Also worked with ecophysiology during an exchange in the Austral University of Chile (UACH).

The MSc dissertation on Remote Sensing at the National Institute for Spatial Research (INPE) was related to the quantification of biophysical parameters of forest plantations in different environmental conditions.

Experienced the private initiative before getting involved with the 3rd Brazilian Inventory Emissions of Greenhouse Gases from land use and land-use change and forestry (LULUCF) sector. At the time, oriented the activities of the compilers, validated the database and prepared the Reference Report.

Worked at an Amazon Fund project that developed a biomass/carbon map for the Brazilian Amazon using LiDAR airborne data (EBA group at INPE). At the time, coordinated the team involved, organized courses and events and created a large network of contributions from national and international institutions. Got an MBA in Project Management at the Getúlio Vargas Foundation (FGV).

Currently is responsible for the 4<sup>th</sup> National Emissions Inventory, part of the Fourth National Communication to the United Nations Framework Convention on Climate Change (UNFCCC).

Recently initiated the PhD at the Center for Sustainable Development (CDS) at the University of Brasilia (UnB). During the thesis wants to evaluate Brazilian political and technical limitations on the establishment and implementation of the National Determined Contributions (NDC). The research possibly includes agent-based models, Bayesian network and other models that could contribute to indicate opportunities for improvement. The aim is to propose an institutional arrangement for climate policies and a review of the goals of the NDC.