Research

I have a broad research interest on the quantitative modeling of forest resources, especially in the field of forest inventory, forest biometrics, and forest management planning, to support sustainable forest management. In the field of forest inventory, I concern with quantifying and estimating forest attributes (timber and non-timber) using design-based or model-based methods. Recently, I am particularly interested in developing models and methods to estimate biomass and carbon stocks of natural and plantation forests. My interest in forest biometrics supports me to analyze and model biological phenomena of forest resources, including the growth and dynamic of forest stands. Recent issues on deforestation and forest degradation have motivated me to develop statistical models for estimating survival and destruction of forest stands. These models coupled with forest biomass models facilitate me to develop appropriate scenarios for supporting multipurpose management planning of plantation and natural forests.

You may see the outputs of my researches in the "Publication and Conference" pages of this blog.