

Global warming, Forest and Anthropocene 全球暖化、森林與人類新世

Global warming has profound effect on population dynamics, species distribution and ecosystem functions. In the face of anthropogenic climate change, species must acclimate, adapt, move, or else die. Forest dynamics plots (FDP) provide an excellent opportunity to study effect of global warming on forest dynamics and plant migration, because it contains longitudinal data and spatial locations of each individual. In this talk, I will use Fushan FDP as an example, to discuss how forest responds to climate change, and whether plant can cope with global warming by shift their distribution range and change of their functional traits.

I will also discuss issues regarding global warming and whether we need a new term “Anthropocene” to indicate human beings has permanently changed our planet and enters a new epoch that created by us.