

Dr. Erick Fernandes is Adviser of Agriculture and Rural Development (ARD) at The World Bank. His experience extends over 18 years of natural resource management research (in the context of agriculture, forestry, agroforestry, hydrology, functional biodiversity) and applied operations expertise in 24 developing countries across 4 regions (Africa, Latin America, South Asia, East Asia & Pacific).

Dr. Fernandes has published over 35 papers and co-authored/edited 3 books. He was appointed International Professor of Crop and Soil Science at Cornell University and has served as Global Coordinator of the GEF-CGIAR program on sustainable alternatives to Slash and Burn Agriculture. He has also been selected as a Principle Investigator in NASA's Large-Scale Biosphere Atmosphere (LBA-Eco) program and has served as a Reviewer of the US National Science Foundation (NSF).

He is currently developing and operationalizing a multi-sector framework and quantitative modeling approach to enhance landscape-level resilience to climate change that involves the assembly and use of quantitative data on land cover & land use including crops, forestry, pasture, aquatic & hydropower issues, biodiversity, and infrastructure, at nested geospatial scales e.g. field-watershed-basins. The Framework can be coupled to downscaled, regional climate models for testing scenarios and highlighting investment priorities and natural resource management interventions for policy and decision makers.