

Ken Giller is Professor of [Plant Production Systems](#) at Wageningen University. He leads a group of scientists with profound experience in applying systems analysis to explore future scenarios for land use with a focus on food production. Ken's research has focused on smallholder farming systems in sub-Saharan Africa, and in particular problems of soil fertility and the role of nitrogen fixation in tropical legumes, with emphasis on the temporal and spatial dynamics of resources within crop/livestock farming systems and their interactions. His research interest is also in resource utilization efficiency and scaling in systems analysis, particularly on the role of nitrogen fixing legumes in provision of food, feed, fuel, and soil fertility in tropical farming systems. He is author of the standard text "*Nitrogen Fixation in Tropical Cropping Systems*" published in second edition in 2001. He leads a number of initiatives such as the Bill & Melinda Gates Foundation funded (US\$30M) N2Africa - Putting Nitrogen Fixation to Work for Smallholder Farmers in Africa - <http://www.n2africa.org/>. N2Africa works to scale promising technologies through >90 public-private partnerships in eleven countries of sub-Saharan Africa. Ken is member of the [Unilever Sustainable Sourcing Advisory Board](#). He is co-chair of the Thematic Network 7 on [Sustainable Agriculture and Food Systems](#) of the Sustainable Development Solutions Network (SDSN) of the United Nations. Ken joined Wageningen University as Chair of Plant Production Systems in 2001 after holding professorships at Wye College, University of London, and the University of Zimbabwe.