11th World Bioenergy Congress and Expo

July 02-04, 2018 | Berlin, Germany

Introduction of IRENA "Sourcebook: Sustainable Rural Bioenergy Solutions in sub-Saharan Africa"

Yasuko Inoue

International Renewable Energy Agency (IRENA), Germany

n rural areas of sub-Saharan Africa, solid bioenergy is the main source of energy for cooking and heating for up to 90 percent of the population. Due to growing demands on food and energy from population growth, coupled with the increasing frequency of natural disasters and climate change, it has become more challenging for rural communities in Sub-Saharan Africa to meet their own food, energy and development needs. This has substantial implications for poverty alleviation as well as for environmental protection, including forests, ecosystems and biological diversity within the region. Various innovative solutions to produce renewable bioenergy, which promote the sustainable use of locally-available resources without disrupting food and water supply, are affordable and efficient and have been emerging within the region. The International Renewable Energy Agency (IRENA) collected the information and publish a "Sourcebook on Sustainable Rural Bioenergy Solutions in sub-Saharan Africa" which aims to establish a sound knowledge basis for policy makers and development practitioners, including private sector actors, non-governmental organizations and researchers, focusing on following three themes; (1) Sustainable Rural Biomass Supply, (2) Biomass-to-Energy Innovations, and (3) Tools for Enhanced Bioenergy Sustainability. Each theme has 10 innovative solutions introduced by a 5 pages comprehensive explanation with figures and tables. By this poster presentation, I would like to do the book launch and introduce the "Sourcebook" while displaying representative solution practices which includes (a) tree pruning for firewood by agroforestry and biochar producing cooking system in Kenya, (b) briquette production from rice husks and peanuts shells in Tanzania and (c) electric finance system for outgrowing jatropha curcus and biofuel production and community development in off-grid areas of Mozambique.

YInoue@irena.org