

Virtual Event

Bioenergy for Sustainable Development

8 June 2021

10:00-11:30AM, New York time

Draft Concept Note

Background

Sustainable bioenergy can contribute to climate change objectives helping to reduce the consumption of fossil fuels. It can also contribute to agriculture and rural development and energy security. It is important, however, that bioenergy development is based on sustainable water

A strategy for adaptation to water scarcity can be based on the use biomass production for energy as a tool for increasing the spatial and temporal accessibility of water resources and at the same time improving the quality of freshwater flows. Basin level planning could include biomass production as a land-use option with the potential for combining, for example, erosion control and flood prevention with income generation from carbon sink generation and biomass sales for energy. Intelligently designed bioenergy systems can significantly offset greenhouse gas emissions associated with fossil fuel-based energy systems, and at the same time lead to additional environmental benefits. The environmental and socio-economic benefits from a large-scale bioenergy programme could be substantial.

Ensuring universal access to modern and sustainable energy, water and sanitation services while reducing related environmental impacts lies at the heart of sustainable development. The Division for Sustainable Development Goals of UN DESA is conducting a number of initiatives and events designed to support the integrated implementation of SDG 6 (water) and SDG 7 (energy). One of these initiatives is the Global Sustainable Water and Energy Solutions Network founded with Itaipu Binacional in 2018 (<https://www.un.org/en/waterenergynetwork>). This capacity development event, organized by this Network in cooperation with the