

BUILDING FORWARD BETTER DESCRIPTION OF THE PROPERTY OF THE PRO

THEMATIC AREA

RENEWABLE ENERGY RESOURCES FOR IRRIGATION



As the global population continues to increase, food production will have to grow to meet the increase in demand. Agriculture is both impacted by climate change and a source of greenhouse gas (GHG) emissions and can contribute to fight climate change by being a source of renewable energy and by using less fossil fuels throughout the agri-food chain. The identification, planning and implementation of appropriate energy, water, food security and climate-smart strategies can stimulate agricultural growth and rural development without increasing energy production. The module will introduce the concept of water, energy and food security nexus, and will discuss technical options (and their operation) of the use of renewable energy sources for irrigation.

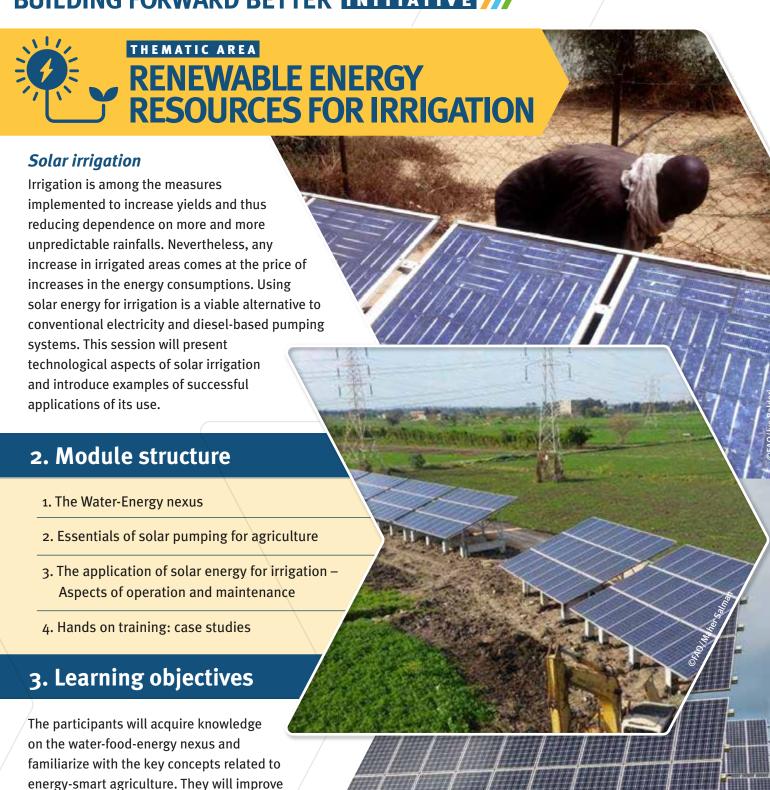
Energy-smart agriculture

Modernizing food and agriculture systems by increasing the use of fossil fuels as was done in the past may no longer be an affordable option. The role of energy must be reconsidered, and new energy options must be adopted for improving food systems. Renewable energies, such as solar and wind, can be used in agri-food systems and can be a sustainable alternative to fossil fuels to generate power needed.



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agriculture.



their knowledge in the field of solar irrigation by being presented with both theoretical bases and real cases to its application in

