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Committee: FAO

Topic: Strategies for Advancing Sustainable Agricultural Practices in the Green Transition

Country: United Kingdom

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The whole transition to a society and economy that is more ecologically friendly and

sustainable. The term "green transformation" describes the widespread adoption of

environmentally friendly practices, technology, and regulations across a range of societal

domains. With the green transition, greenhouse gas emissions reduce faster and mitigate

climate change, as well as preserve and improve the state of the environment (Green

transition, 1997).

Sustainable agriculture is the safe way of farming in case of protecting the environment, aid

and expanding natural resources and to make sufficient use of nonrenewable resources

(Doval, 2023).

The United Kingdom green transition refers to the comprehensive shift from a traditional,

fossil fuel-based economy to a sustainable, low-carbon economy. This transition involves

increasing renewable energy sources like wind, solar, and biomass, enhancing energy

efficiency across various sectors, and implementing policies to reduce greenhouse gas

emissions. The goal is to combat climate change, reduce environmental impact, and achieve

net-zero carbon emissions by 2050.

As of 2024, approximately 50% of the United Kingdom’s electricity is generated from

renewable sources. This significant share is a result of substantial investment in wind, solar,

and biomass energy over the past decade. Offshore and onshore wind power constitute a

considerable portion of this renewable energy mix, supported by technological advances and

favourable government policies. Solar energy is also mainly contributed to by rooftop

installations and large solar farms. The increase in renewable electricity generation reflects

the United Kingdom’s ongoing efforts to reduce carbon emissions, enhance energy security,

and transition towards a more sustainable energy system.

We have various ideas for sustainable agriculture. The use of chemical fertilizers and

pesticides should be reduced and we should switch to natural fertilizers and biological control

methods. We can prevent water waste with drip irrigation technique. Compost use should be

maximized. Natural preservatives such as beneficial insects should be used instead of

chemicals in agriculture. These methods protect the environment and provide economic

benefits.

Bibliography:

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