



PROJECT NOTIFICATION

Reference No.: 65

Date of Issue	10 February 2023
Project Code	23-CP-13-GE-DLN-A
Title	APO e-Course on Blockchain Solutions for Improving Productivity in Agriculture
Timing	15 June 2023
Hosting Country(ies)	APO Secretariat
Venue City(ies)	Not Applicable
Modality	Digital Learning
Implementing Organization(s)	APO Secretariat
Participating Country(ies)	Not Applicable
Overseas Participants	Not Applicable
Local Participants	Not Applicable
Closing Date	Not Applicable
Remarks	Timing is the launch date of the e-course.

Objectives	<ul style="list-style-type: none"> - Learn about different business models using upstream and downstream blockchains in agriculture. - Examine technological aspects of blockchains in improving productivity in the agriculture sector. - Demonstrate blockchain applications in agrifood ecosystems.
Rationale	Transparency in blockchains ensures fair prices to farmers and encourages the use of sustainable practices, leading to better productivity and resource efficiency. Focus areas include food safety and security, risk mitigation and insurance, certification and traceability, smart agriculture, investment and asset tokenization, compliance and smart contracts, and data pooling and monetization.
Background	<p>The use of data in agriculture and other sectors was previously viewed as merely a supporting function or by-product of market transactions. Agrifood input providers, farmers, commodity traders, and governments all used data limited to their own focus of operations.</p> <p>Collaborative, distributive, scalable technologies like blockchains extend the role of data in creating new business models. Blockchains offer opportunities for sectoral transformation, including the shift to a platform-based economy. Blockchain technology has the potential to increase the productivity of farmers by streamlining supply chains and improving the transparency and traceability of agricultural products. These new models can be applied to the agrifood sector to increase farmers' productivity and incomes. Contextual data on farmers/farms, activity, inputs, and production are needed for different ecosystem stakeholders, and the appropriate models can increase productivity throughout agricultural value chains.</p>
Topics	<ul style="list-style-type: none"> - Blockchain applications in agriculture and their productivity implications - Blockchain applications in agricultural inputs and outputs - Blockchain applications in agricultural financing - Blockchain applications in agricultural risk mitigation - Blockchain applications for farmers
Outcome	Participants will acquire knowledge of blockchains, their impact on agrifood systems, examples of blockchain use, and methods to design and implement blockchains in agriculture.
Qualifications	Open to all participants in member and nonmember countries

Please refer to the implementation procedures circulated with this document for further details.



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