



PROJECT NOTIFICATION

Reference No.: 482

Date of Issue	24 December 2024
Project Code	24-CP-10-GE-TRC-A
Title	Training Course on Big Data Analytics in the Agrifood Sector
Timing	17 February 2025–20 February 2025
Hosting Country(ies)	Thailand
Venue City(ies)	Not Applicable
Modality	Online
Implementing Organization(s)	Thailand Productivity Institute and APO Secretariat
Participating Country(ies)	All Member Countries
Overseas Participants	38
Local Participants	12
Closing Date	3 February 2025
Remarks	Not Applicable

Objectives	Understand the concept of big data analytics and facilitate the use of integrated databases in the agrifood sector; and promote sustainable practices to improve productivity and resilience in the agrifood sectors of member countries.
Rationale	Big data analytic technologies indicate the best environment for harvest quality and/or quantity and landscape productivity. Farm incomes increase due to higher productivity, better-quality products, and less waste on fertilizers and pesticides. In food manufacturing and retail, big data analytics predict demand, minimizing food losses and saving costs. Understanding big data analytics thus improves productivity in agrifood value chains.
Background	The agrifood sector generates diverse sets of big data across food supply chains, and technologies enable their integration. Digital innovations can transform these systems across the rural–urban continuum (FAO, 2023). On the production side, this includes data on climate, soil, and crop yields. In logistics, transport, and distribution. Market, sales, and pricing data are generated on the retail side. Integrating these data streams enhances supply chain management, making it more efficient and cost-effective and allowing better planning of farm operations to ensure quality while maximizing efficiency and profitability. It also supports improved performance in food manufacturing, distribution, and retail sectors.
Topics	Overview of big data applications in agrifood; Big data analytics for crop production and food supply chain efficiency; and Integration of data and analytics across supply chains from production to market.
Outcome	Harvest quality/quantity is improved, local farmers produce higher-quality produce at lower cost, food supply chains introduce big data analytics to optimize management and become more profitable with less food loss. Increased soil and landscape conservation improves food and water quality and production resiliency against climate and weather extremes.
Qualifications	Government officials, policymakers, executives of farmers' or agribusiness associations, academics, and consultants working on smart agrifood systems.

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



Dr. Indra Pradana Singawinata
Secretary-General

IMPLEMENTATION PROCEDURES FOR APO ONLINE MULTICOUNTRY PROJECTS (CONFERENCES/OBSERVATIONAL STUDY MISSIONS/TRAINING COURSES/WORKSHOPS)

1. Modality of Implementation

- a. The sessions will be conducted online.
- b. The duration of each day's sessions will be around three hours for observational study missions, training courses, and workshops.
- c. The duration of sessions will be around four hours for conferences.
- d. The APO Secretariat will inform resource persons and participants of the link to the virtual sessions.
- e. The link will be exclusive to resource persons and participants and should not be shared.

2. Financial Arrangements

- 2-1 For projects where the local costs will be covered by the host NPO/implementing organization
- a. The APO will meet the assignment costs for international resource persons.
 - b. The host NPO/implementing organization will meet the assignment costs of local resource persons and for a virtual site visit(s), either broadcast live or recorded as applicable.
- 2-2 For projects where the local costs will be covered by the APO
- a. The APO will meet the assignment costs of international resource persons and honorarium for up to two local resource persons.
 - b. The host NPO/implementing organization will meet the costs for a virtual site visit(s), either broadcast live or recorded as applicable.
- 2-3 For observational study missions where the local costs will be covered by the APO
- a. The APO will meet the assignment costs for international resource persons, honoraria for up to two local resource persons, and video production costs for a virtual site visit(s) of up to USD2,000.00, either broadcast live or recorded as applicable.
- 2-4 For projects hosted by the APO Secretariat
- a. The APO will meet the assignment costs for international and local resource persons and for a virtual site visit(s), either broadcast live or recorded as applicable.

3. Requirements of Participants

- a. Participants are required to attend all sessions. This full participation is a prerequisite for receiving the APO certificate of attendance.
- b. Competent in connecting to online meetings, including independently undertaking troubleshooting in the event of poor or lost connections.
- c. Proficient in English, both written and spoken.
- d. Have necessary devices comprising a computer, web camera, microphone, and speaker or headphones.
- e. Access to internet connections suitable for videoconferencing. Stable, wired LAN connections are preferred.
- f. Follow the instructions of moderators/presenters in asking questions, joining discussions, and answering questions.

- g. Wear appropriate business attire during the sessions.

4. Actions by APO members

- a. Each NPO should nominate three or more candidates in order of preference for observational study missions, training courses, and workshops, and five or more candidates for conferences.
- b. All nominations must be endorsed by an APO Director or Alternate Director and submitted by a Liaison Officer (LO) or designated officer. Self-nominations will not be accepted.
- c. Nominations should reach the Secretariat before the deadline.
- d. Each nomination must be accompanied by the APO biodata form and uploaded to the APO Document Management System/Fleekdrive by NPOs. LOs are requested to notify the Secretariat once biodata forms have been uploaded. The biodata form is available on the APO website.
- e. If a selected participant becomes unable to participate, the NPO concerned should inform the APO Secretariat and host country promptly.

5. Actions by the APO Secretariat

- a. Selection of candidates will be at the discretion of the Participant Selection Committee of the APO Secretariat.
- b. Selection of candidates will be completed and announced at least one week prior to the start of the sessions.
- c. Slots that become available due to withdrawal of a selected candidate(s) or lack of nominations by a member country may be filled by alternates to be selected on a merit basis.
- d. The APO Secretariat will inform NPOs of the final program and link to the online sessions at least one week prior to commencement.

6. Participating Country Expenses (PCEs)

- a. PCEs apply to selected participants from large, profit-making organizations in training courses and observational study missions.
- b. The PCE rate is fixed at USD150.00 per participant.
- c. The APO Secretariat will notify NPOs concerned before issuing Letters of Acceptance to participants.
- d. Invoices will be sent to NPOs concerned at the end of the year.