



PROJECT IMPLEMENTATION PLAN

30 August 2018

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| 1. Project Code | 18-RP-01-GE-RES-C-09 |
| 2. Project Activity | Development of an Agricultural Transformation Framework for APO Member Countries |
| 3. Project Reference | Project Notification 18-RP-01-GE-RES-C dated 13 March 2018 |
| 4. Duration | 29 October- 01 November 2018 (four days) |
| 5. Venue | Tokyo, Japan |
| 6. Implementing Organization | APO Secretariat |
| 7. Number of Experts | Up to five international experts |

8. Objectives

- a. To review the key concepts in agricultural transformation and share country/regional case studies on Agricultural Transformation Frameworks (ATFs);
- b. To develop an outline of an ATF for promoting applications of digital technologies in agrifood chains in member countries;
- c. To identify critical needs for capacity development for embracing digital transformation in agriculture in member countries;
- d. To build the capabilities of Secretariat staff in agricultural transformation; and
- e. To generate a set of recommendations for national roadmaps on capacity development needs for digital transformation in agriculture.

9. Background

Agricultural transformation lies at the core of poverty reduction, food security, and improved nutrition. Transforming a country's agriculture sector can create jobs, raise incomes, reduce malnutrition, and kick-start the economy. Many governments are seeking agricultural transformations that meet multiples goals simultaneously. In addition to traditional economic development and poverty reduction goals, governments are also focusing their agricultural transformation plans on the United Nations Sustainable Development Goals by considering, for example, climate-smart strategies, women's economic empowerment, and biodiversity. The adoption of new technologies will be critical to achieve those goals.

Applications of new-generation technologies like the Internet of Things, cloud computing, big data analytics, and artificial intelligence are expected to revolutionize the global agricultural landscape, making it more resource efficient, productive, and sustainable. Policymakers and planners, farmers, and businesses in the agriculture industry must embrace digital transformation trends in agriculture. By using technology as a sustainable, scalable resource, agriculture can be transformed into a future-proof industry including productive, sustainable

food value chains.

Recognizing the unique needs of the agriculture sector, companies have developed software platforms and apps for crop yield management, resource management, livestock management, and crop monitoring, including addressing issues that impact crop quality, productivity, and, most importantly, cost. Successful digital transformation of agriculture in a country will need: a) transformation readiness (institutional, governance, and political environment); b) high-quality national agricultural development plans or strategies; and c) sound delivery mechanisms to translate the national agricultural plans into on-the-ground impact.

The focus area of the ATF will be: promoting applications of advanced technologies, especially digital ones, in farming operations and agribusiness enterprises; sustainable management of agricultural resources such as land and water; climate change-resilient farming models; and value-added agriculture.

10. Scope and Methodology

This meeting will provide an overview of existing agricultural transformation models; develop an outline of the ATF for promoting applications of digital technologies in agrifood chains in member countries; and generate a set of recommendations for national roadmaps on capacity development needs for digital transformation in agriculture in member countries.

The tentative program is given below:

Date/Time	Activity
Sunday, 28 October 2018	Arrival of experts in Tokyo
Monday, 29 October	Meeting overview and expectations Key concepts and dimensions of agricultural transformation Core elements of an agricultural transformation plan Existing models of agricultural transformation: an overview Role of government, its agencies, and value chain stakeholders in agricultural transformation
Tuesday, 30 October	Focus areas of agricultural transformation in member countries and digital agricultural transformation
Wednesday, 31 October	Developing the ATF outline and phases Planning for pilot ATF testing programs in member countries Drafting the ATF for member countries
Thursday, 01 November	Drafting the ATF for member countries (cont'd.) Action plan development and the way forward
Friday, 02 November	Departure of experts

The meeting will consist of themed presentations, sharing of country/regional case studies on ATFs, and group exercises.

11. Participants

APO Agriculture Department staff will attend the meeting with the objective of building capability on agricultural transformation and related key business transformation initiatives.

12. Financial Arrangements

To be borne by the APO

- a. Honoraria for the international experts to be paid upon completion of the ATF report;
- b. Round-trip discount business-class travel by the most direct route between the experts' place of work and Tokyo, Japan, daily subsistence allowances for up to five days, incurred cost for visa fees and airport taxes if applicable, and miscellaneous expenses for attending the event;
- c. Travel insurance coverage against accident and illness for the entire duration of the meeting and travel; and
- d. All implementation costs including but not limited to meeting rooms, documentation, and other preparatory costs.



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Secretary-General

