### Research and Development Technical Assistance Project

## Investment Assessment and Application of High-Level Technology for Food Security in Asia and the Pacific

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Workshop on
Knowledge-Intensive Agriculture
15-16 June 2017
Manila

### Use of High-Level Technology in Agriculture

ADB Food Security Forum 2016: use of high-level technologies in agriculture

ADB Approved (in October 2016) "Investment Assessment and Application of High- Level Technology for Food Security in Asia and the Pacific" (RDTA 9218)

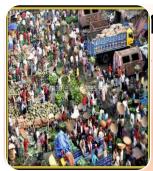
Assessment of investment for priority setting to promote high-level technology: **Output 1** 

Promotion of high-level technology in upstream activity: Output 2

Promotion of high-level technology in downstream activity through supply chain improvement: **Output 3 – Knowledge on wholesale market improved** 

## RDTA 9218 Output 3: Knowledge on wholesale market (WM) improved

# **Agricultural Supply** Chain Numerous Producers Markets **Numerous Consumers**



Ist Generation Markets

Trade of fresh products with no value addition



2<sup>nd</sup> Generation Markets
Sorting, refrigerating, cleaning, packaging
Safe, secured and clean premise



3rd Generation Markets
Catchment area with storage and quality infrastructure
Product segmentation
Environmental excellence

### RDTA 9218 Output 3: Knowledge on wholesale market improved

What's the need for WM?

Demand for fresh and quality food increasing as a result of

- Increase of middle income consumers
- Rapid urbanization

WM can help to meet this demand by

- Reducing the difficulties and cost of monitoring, detecting, and preventing food contamination
- Creating and maximizing leveraging effects

### Working of wholesale markets

Orientation

**Focus** 

Objective

Collection

of products

Build a supply network involving producers, intermediaries and logistic providers.

Ensure a smooth and undisrupted supply ensuring profit for all players involved.

Value

addition

Test and certify for safety and quality, sort and grade, preserve scientifically to maintain nutritive value unaffected, and maintain inventory.

To ensure quality, safety and nutritive value of agricultural products and price stability in market.

Sale and marketing

Remain vigilant on the dynamics of needs of different end users and match them by taking necessary measures. Preempt impact of urbanization and growth of middle-income consumers, and any other probable short-term demand/supply shocks.

Ensure undisrupted, sustainable and financially viable supply of safe, quality and nutritive agricultural products to end users.

## RDTA 9218 Output 3:Proposed activities

- Review of the existing agricultural supply chain and infrastructure in Asia and the Pacific
- Develop custom-tailored wholesale market models for selected DMCs
- Train government officials and policymakers on wholesale market development and management

### RDTA 9218 Output 3: Activities so far

- Bangladesh, Nepal, Kazakhstan, Uzbekistan, and Viet Nam
- Mercasa- a Spanish public company specializing on wholesale market engaged to arrange training
- 16 government officials from selected developing member countries to be trained in July 2017
- Thank you