AGRICULTURAL DIGITAL TRANSFORMATION
THE LIFELINE FOR SMALL FARMER HOUSEHOLDS

Ministry Administrative Office

Hanoi, March 9, 2022

Digital Transformation

- Digital Transformation is the process of leveraging the ever-evolving, rapidly innovating nature of technology to address problems. It is a concept coined in the era of Internet boom, describing powerful and comprehensive innovations in the way the whole enterprise operates, which cover all business aspects such as supply, production, partnerships, customer relationships, even creating new businesses with completely new ways of doing things.

- ***Digital transformation is about doing things differently based on data and digital technology.***

Digital Transformation

OLD WAY

- Varieties selected according to habits and traditions
- Simple farming tools
- Experience-based cultivation
- Products distributed by habits through traditional markets

NEW WAY

- Varieties selected according to soil characteristics and analyzed market demands
- Modern, technology enabled farming equipment
- Process-based cultivation with monitoring capability
- Products distributed via e-commerce platforms

The focus of agriculture digital transformation

1. Develop a comprehensive program and unified implementation plan on digital transformation for the agriculture sector and subsectors, along with a synchronous policy system that unifies directions and supports agriculture digital transformation;

The focus of agriculture digital transformation

2. Develop Big Data system and the knowledge base for the agricultural sector and individual fields including farming, irrigation, fisheries, processing, market...;

The focus of agriculture digital transformation

3. Develop and integrate technologies and networks (air or ground-based) of forecasting, observation and monitoring that facilitate agricultural production, provide information on the environment, weather, land quality, market, etc. to increase added value for agricultural products and better meet market requirements…;

The focus of agriculture digital transformation

4. Develop digital applications to automate processes of production and agribusiness; post-harvest processing and preservation; product origin monitoring and supply chain management to ensure quick, transparent and accurate processes where food hygiene and safety is maintained; Develop digital technology and digital transformation applications to facilitate smart rural development models;

The focus of agriculture digital transformation

5. Restructure the agricultural sector with a focus on added value; Plan high-tech production areas, large-scale production areas (main products) with areas and resources befitting the cooperatives to ensure that their implementation is to be effective and consistent with the requirements of the digitalization and digital transformation programs;

The focus of agriculture digital transformation

6. Develop the agriculture digital transformation's critical technological infrastructure and equipment; software system; data standards; knowledge bank, develop public service platforms to allow participation of cooperatives and farmer households...;

The focus of agriculture digital transformation

7. Develop a dedicated staff training plan to form a force of scientific, technical and managerial officers meeting the requirements of hi-tech agricultural production;

The focus of agriculture digital transformation

8. Organize vocational training for local labour towards applying smart farming practices and meeting the actual local production requirements. Organize skills training for farmers participating in cooperatives, train farmers on application of digital skills in production, supply, distribution, forecasting, and in promotion of e-commerce in agriculture. Provide guidance and training for farmers and cooperatives to follow market trends and familiarize themselves with market successes and failures.

Thank you!