Ministry
Of Science and
Technology
Lao PDR

Consultation Workshop on
Digital Technologies for Advancing
Food Security, Climate Action and
Environmental Sustainability

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Current Situation of application Digital Technology and Innovation in Lao PDR

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Ministry of Science and Technology (MOST) is one of government organization which task with a secretary of government in macro management on Science, Technology and Innovation, Intellectual property, Standard and metrology in the nation.

Line agencies concern: ..........................................................
Activities involve technology application

apply satellite information to monitoring rice production
In Lao PDR.
Activities involve technology application

Automated telemetry:
measure water levels, track rainfall data, weather and temperature
Activities involve technology application

Using UAV in case of natural disaster at Attapeu province in July 2018
II. STI Policies up to 2025

- Develop STI as a key driving force for rapid and stable economic growth, strengthen STI for industrialization and modernization, and promote the innovative economy.

- Develop knowledgeable and competent human resources in the STI sector that contribute intellectually to national development.

- Apply STI as a tool for effective environmental protection and sustainable development; prepare and respond to natural disasters effectively.
❑ Develop entire system of STI and Apply STI into incentive development of the country
❑ Apply STI to support the production, increasing the productivity and quality
❑ Promote the creativity knowledge in the production process to delivery of new innovative products and services.
❑ Promote R & D and commercialization
❑ Create factor to facilitate technology transfer, establish the national innovation system and advantage-modernization
The STI Development Strategy up to 2025

(1) Dissemination and create awareness on STI,
(2) Improvement of the organization, and management mechanism on STI’s activities,
(3) HRD,
(4) Apply R&D in priority area and sectors (IT, Biotech, Renewable and new material, Machinery and automation technology)
(5) Provide ST services for society and people in remote areas, and
(6) Cooperation with international
III. Issue and Challenge

- The experience, skill and resource for the management and promote on T&I are insufficient;
- There are absent of specific policies, and legislation on the management and promotion of Technology and innovation;
- Disseminate the knowledge experiences and best practice on technology and innovation still limited;
- Universities/research institutes are still young and in process of building and develop of infrastructure and human resource;
- Coordination mechanism among main sector including public and private is not well established and acted;
- Industries and entrepreneurs sector are limited to access to technology information.
The way forward

- Apply digital technology in Agriculture as smart farm, smart village...
- Promote satellite information and drone for monitoring agriculture productivity and early warning system
- Research and development about digital technology, block chain technology to meet with 4.0 industrial revolution
- Fostering internal and external cooperation
Digital technology is very important for Social economic growth which use in many areas in Agriculture, food security and environmental sustainability.

• Digital Technology application in Lao PDR almost transferred from abroad by foreign investment projects
• Digital application on food security and environment sustainable Compare to Asian countries and GMS, Lao PDR have invest more on this field. Therefore, we request an assistance from ADB, GMS and all participants to support and collaboration in form of
  ❖ strengthening and capacity building project focus on human resource development and infrastructure development
Thank you