



# KGID CAIRO

KOREA GREEN INNOVATION DAYS  
OCTOBER 17-19 2023  
LEVELING UP  
GREEN GROWTH IMPACTS

## Agriculture and Livelihoods: Supporting Farmers with Innovative Solutions CAMBODIA

October 18, 2023  
Cairo, Egypt



KOREA  
GREENGROWTH  
TRUST FUND

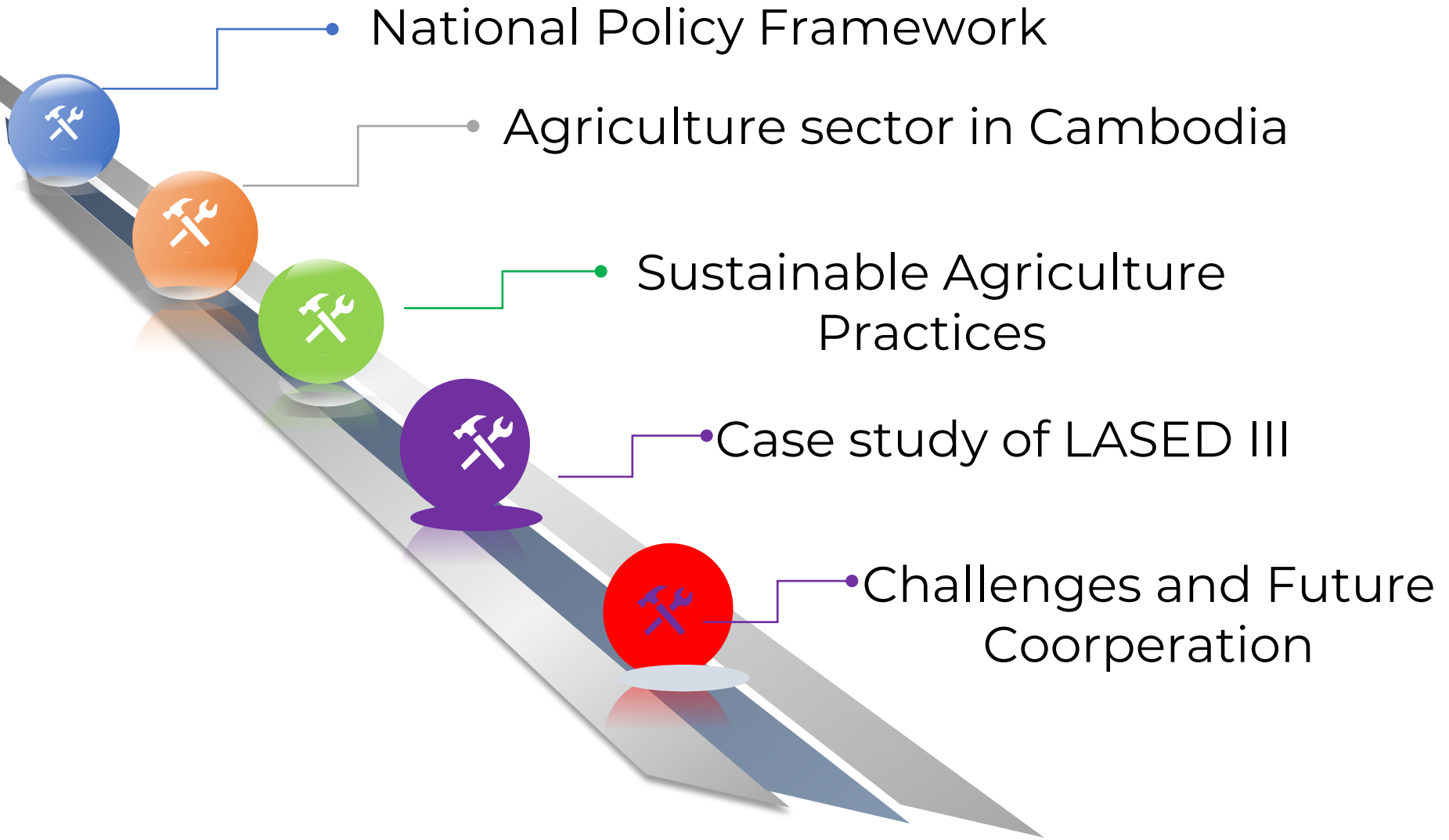


Ministry of Economy  
and Finance

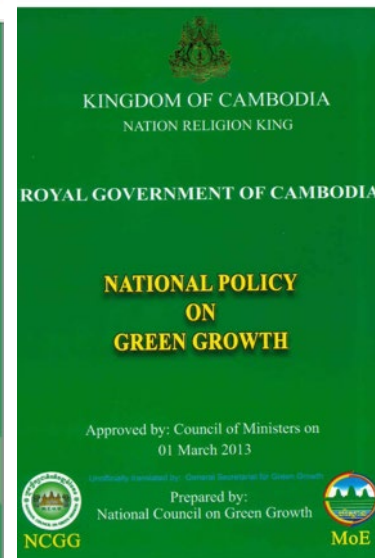
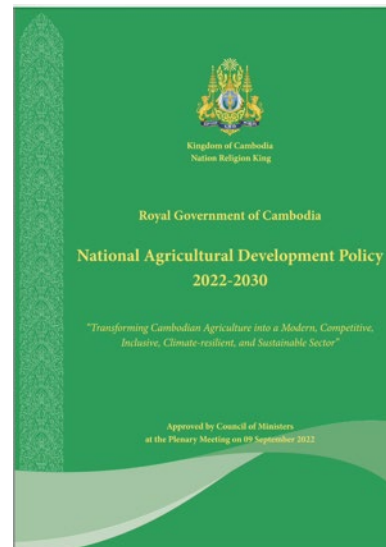
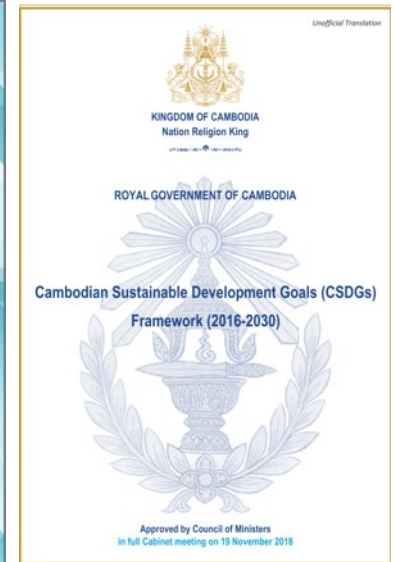
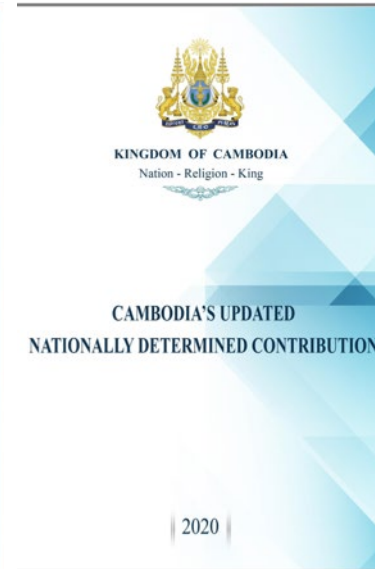


WORLD BANK GROUP

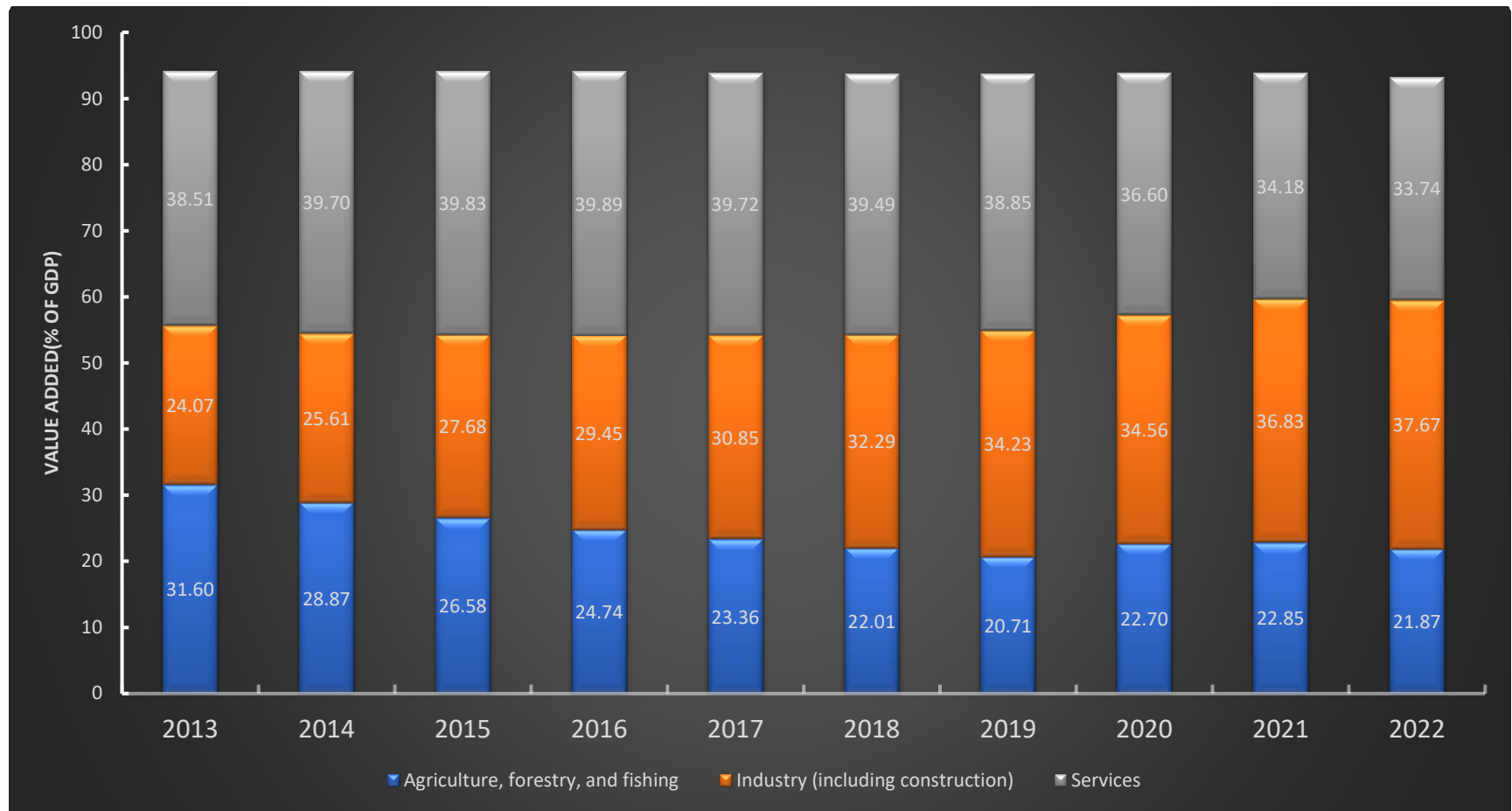
# OUTLINE



# National Policy Framework



# Share of economic sector in the GDP, 2013-2022



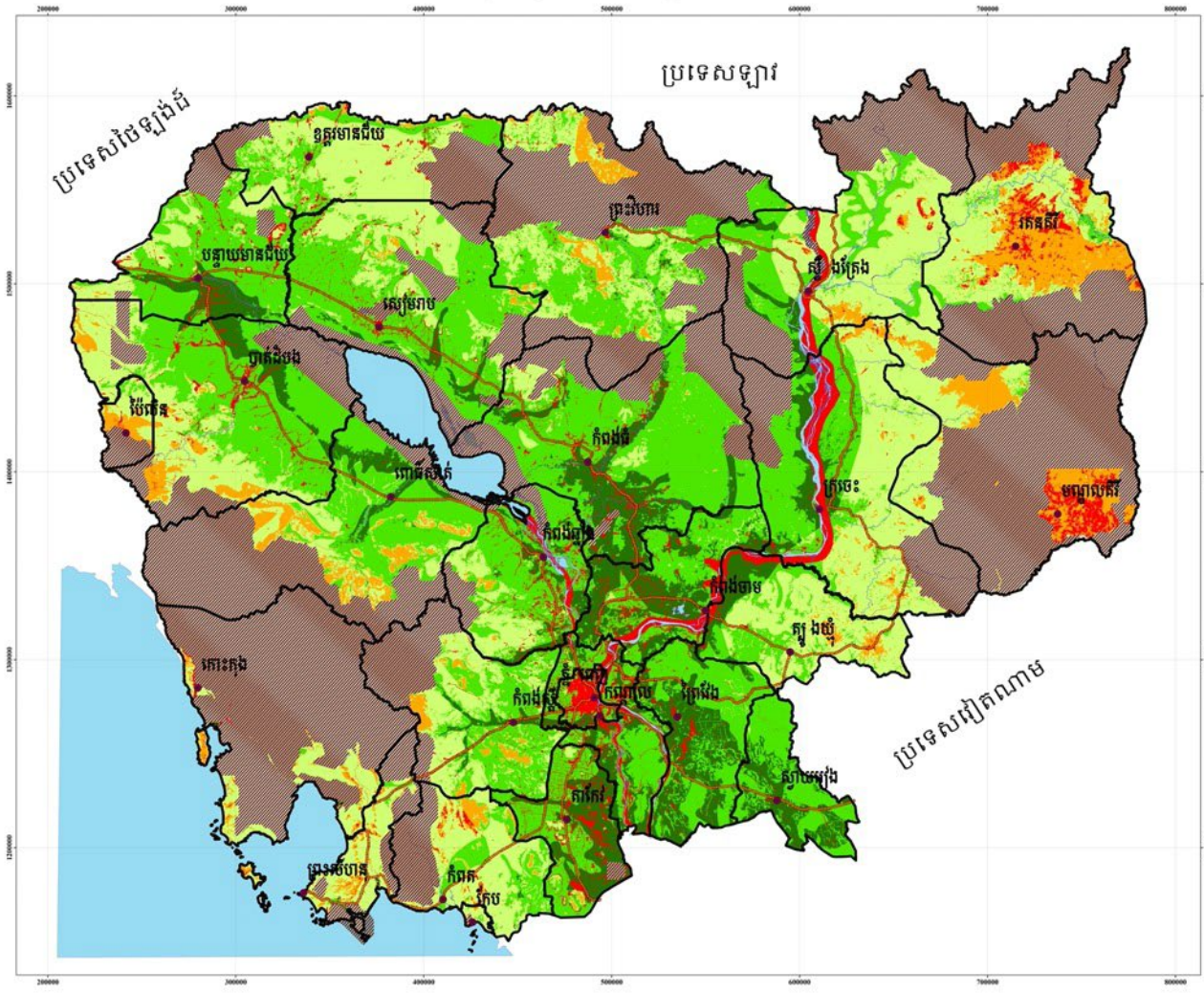


# ផែនទីកំណត់សមស្របសម្រាប់ដំណាំស្រូវទឹកជ្រៅក្នុងកម្ពុជា

## Land suitability map for flooding rice in Cambodia



រៀបរៀងដោយអគ្គនាយកដ្ឋានកសិកម្ម រុក្ខាប្រមាញ់ និងនេសាទ  
General Directorate of Agriculture, 2018



### សញ្ញាសម្គាល់

- ទីរួមខេត្តនិងរាជធានី
  - ព្រំប្រទល់ខេត្ត
  - ផ្លូវជាតិ
  - តំបន់ការពារធម្មជាតិ និងជីវៈចម្រុះ
  - ផ្ទៃទឹក
- ភាពសមស្រប**
- ល្អ (Highly suitable)
  - ល្អបង្គំ (Suitable)
  - មធ្យម (Moderately suitable)
  - គីច (Marginally suitable)
  - មិនសមស្រប (Not suitable)



មាត្រដ្ឋាន ១:៨០០,០០០



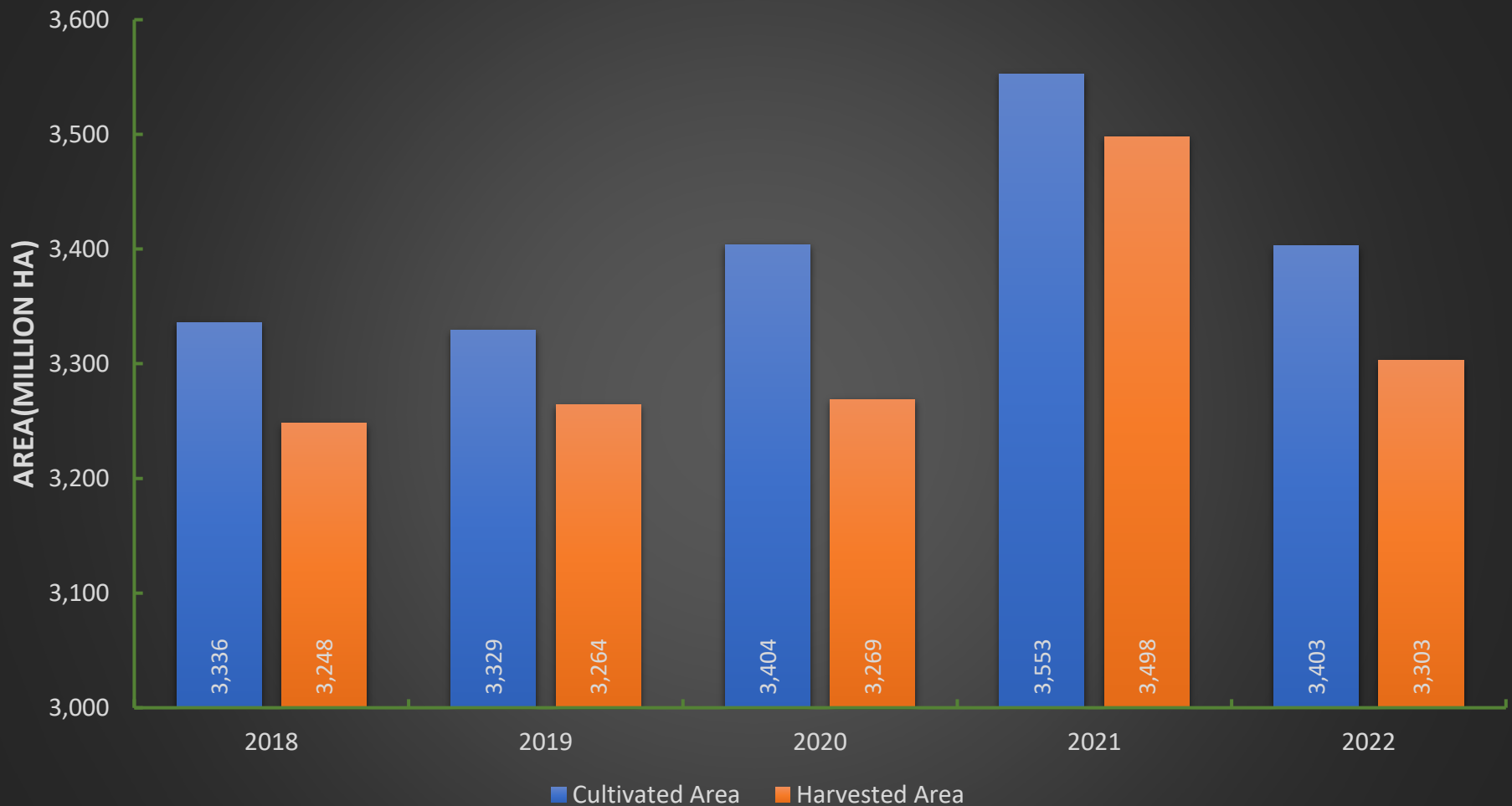
### Coordinate System:

Projection : UTM  
Zone : 48N  
Unit : Meters  
Datum : WGS1984  
Spheroid : Everest

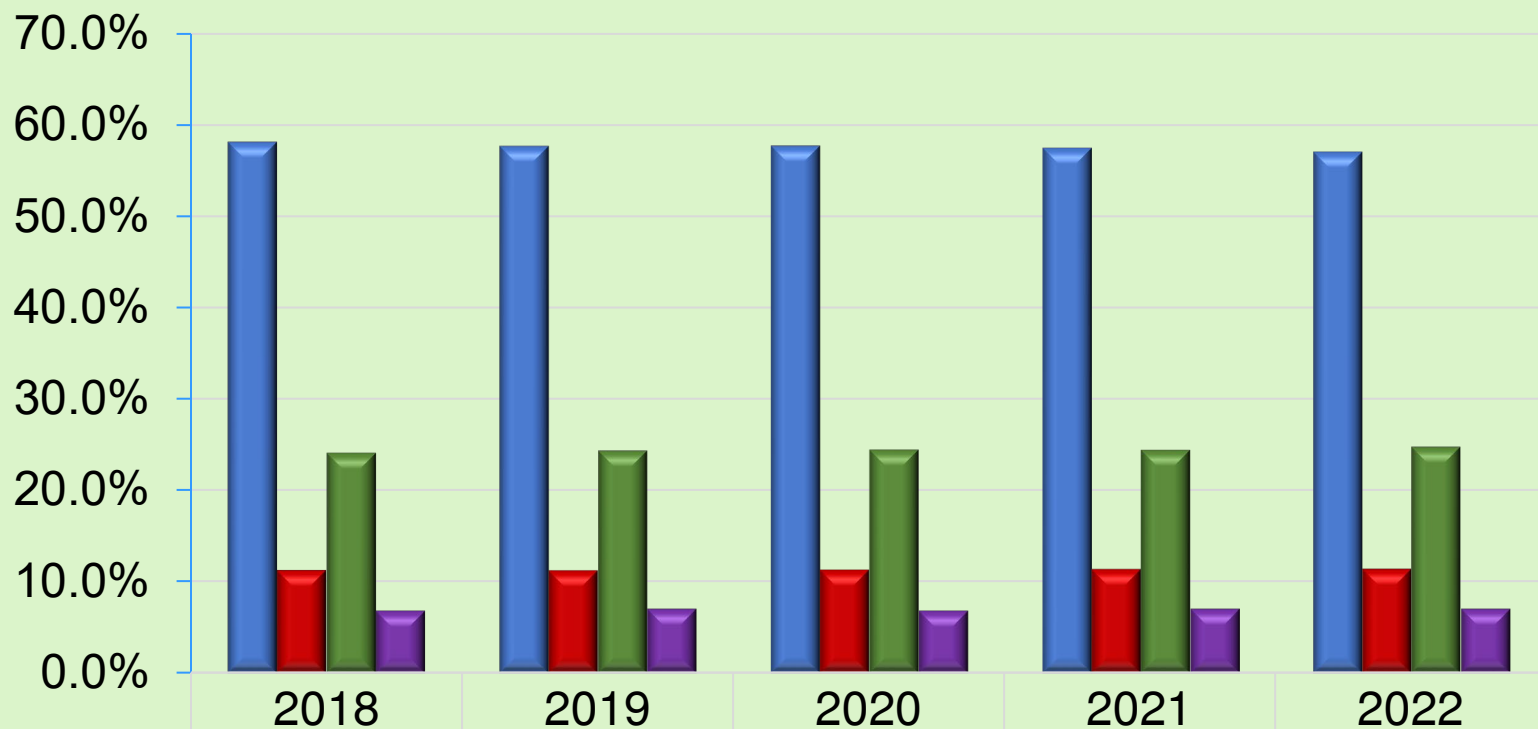
### ឧបករណ៍ប្រើប្រាស់

ផែនទីប្រែប្រួលដីរបស់អង្គការកសិកម្ម រុក្ខាប្រមាញ់ និងនេសាទ ឆ្នាំ២០១០  
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ឱ្យដឹងថាអង្គការកសិកម្ម រុក្ខាប្រមាញ់ និងនេសាទ ឆ្នាំ ២០១០, ២០១២, ២០១៤, ២០១៨  
<https://earthexplorer.usgs.gov>

# Rice production 2018-2022



## Share of sub-sectors in agriculture 2018-2022 ( Current Prices )



Crops



Livestock and Poultry

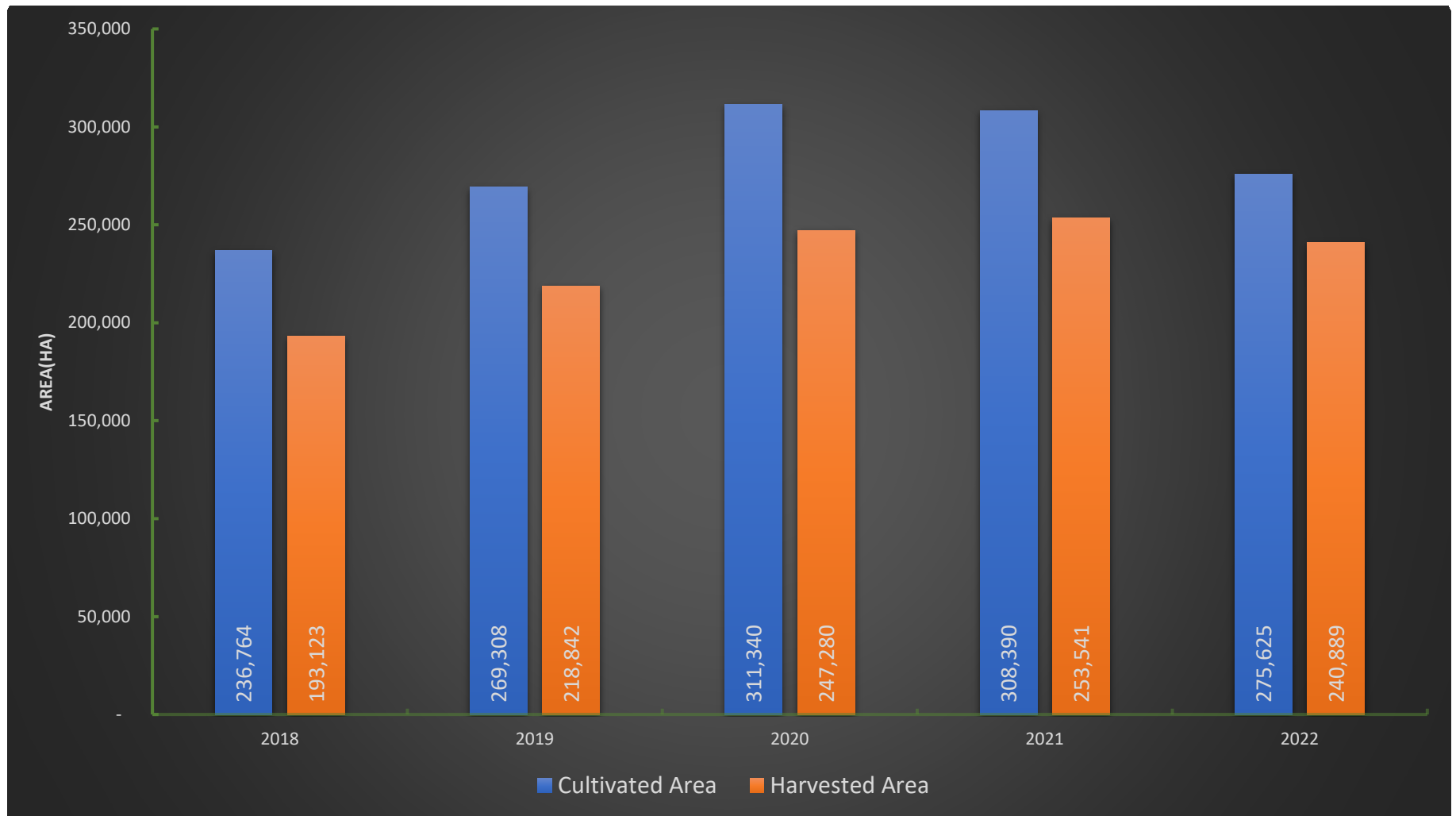


Fisheries



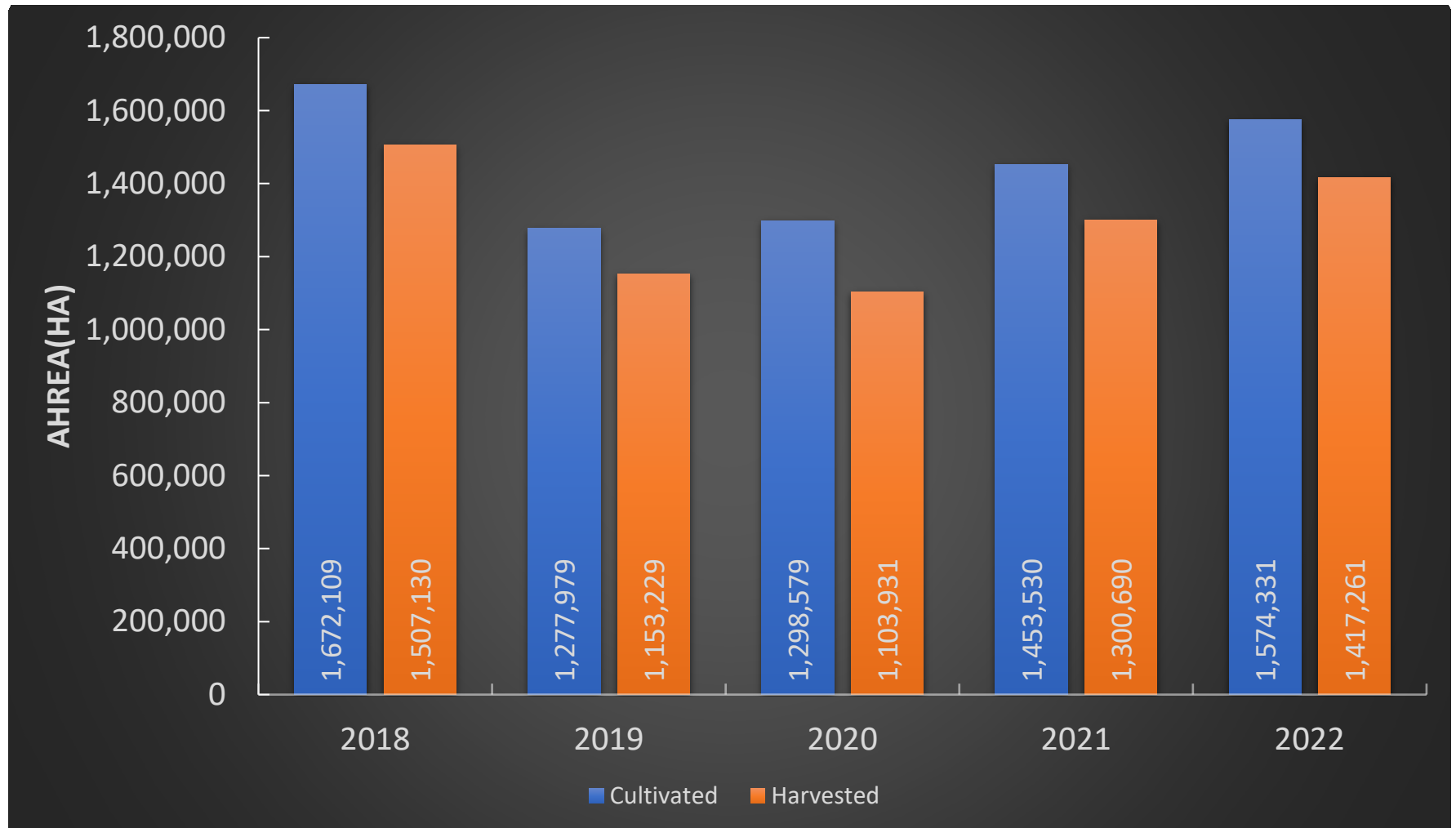
Forestry

# Horticulture production, 2018-2022





# Industrial crop production 2018-2022

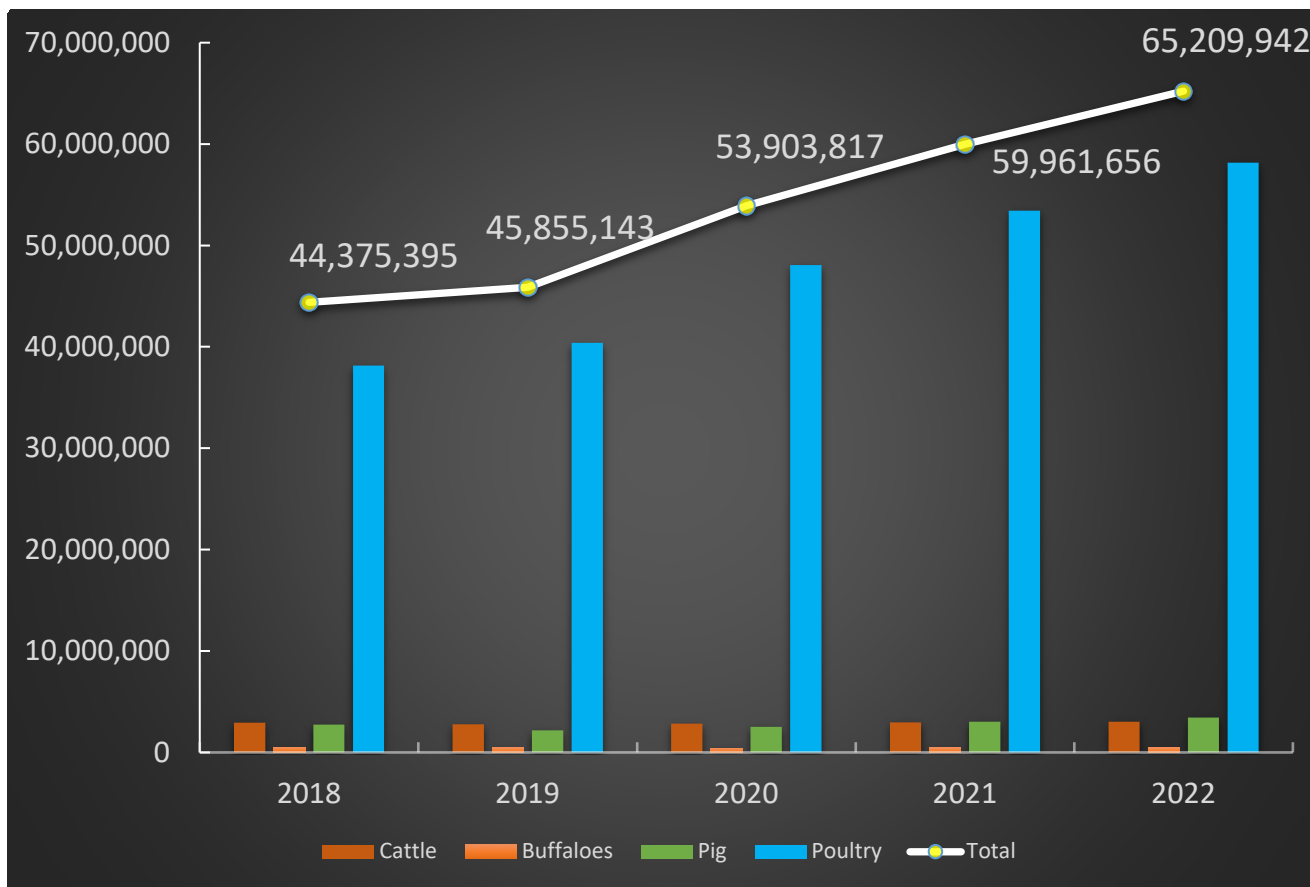




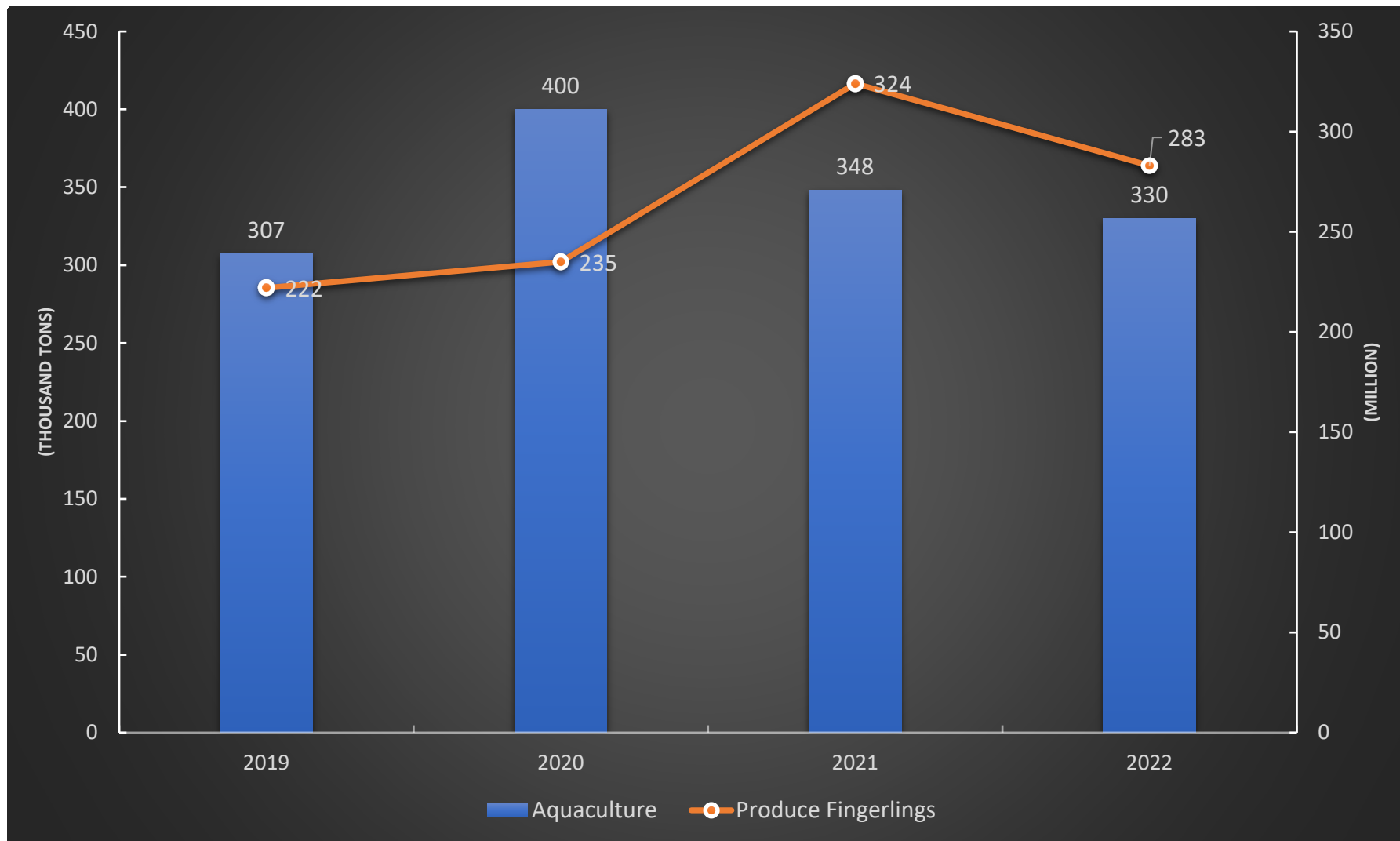
# Animal Production



## Total animal production ( Household and commercial ) 2018-2022



## Aquaculture Production and Fingerling, 2018-2022





# Sustainable Agriculture Practices

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# greenhouse solutions



## Greenhouses

Full range of structures to meet any climatic condition and constraint to farmers.





# Irrigation system solution GRASS & VEGETABLE CROPS

## MACRO&MICRO-SPRINKLER AND DRIPPER

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1

## Agroecology transition

- Reward system

## Impacts quantification

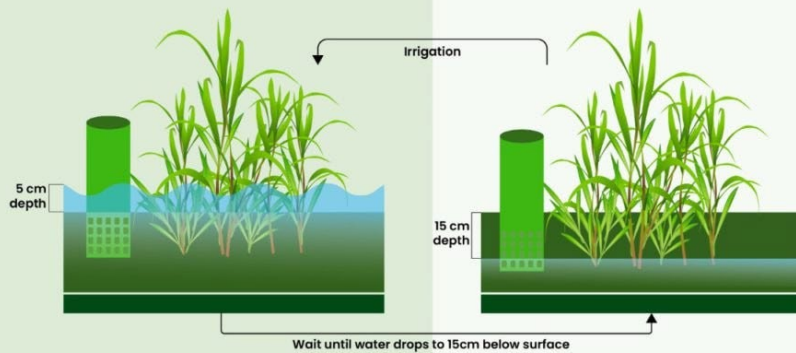
- MRV system

2

## Financial Mechanism

- Certification

3



**Conservation of  
agriculture practice**



# Sowing rice by no-till technology



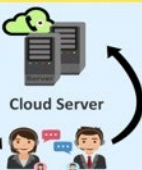
# ICT for Agricultural Extension

## Procedure of Call Center for Agricultural Technique

Consult on challenge of farmer and client

Facilitate and conference with technical officer

Find appropriate solution to solve farmer and client problem



Farmer and Client

Facilitator

Technical Officer

The process of questioning from farmer and client

The process of providing solution from technical officer



ព័ត៌មាន / ព្រឹត្តិការណ៍



របាយការណ៍ស្តីពីការអភិវឌ្ឍន៍កសិកម្ម ក្នុងតំបន់ស្រះប្រាសាទបាងស្រី...

បណ្ណាល័យស្តីពីស្បែកសត្វ



ការអភិវឌ្ឍន៍ស្បែកសត្វក្នុងស្រះប្រាសាទបាងស្រី...



Facebook Page: Agricultural Extension Cambodia  
YouTube Channel: Agricultural Extension in Cambodia

Telegram Channel: ស្នាមញញឹម  
កសិករ (Farmer's Smile)

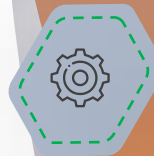


# Solutions to improve ICT for Agriculture Extension



## ✓ Improve the Cambodia Agricultural Extension Portal

- Move from cloud hosting to DEAFF local server
- Develop the Extension Database Management System (EDMS) of public extension service



## ✓ Develop Innovative E-Learning for Farmer





ក្រសួងកសិកម្ម រុក្ខាប្រមាញ់ និងនេសាទ  
នៅលើបណ្តាញទំនាក់ទំនង  
**TELEGRAM**



@MAFF\_GOV\_KH

 **JOIN US!**

ដើម្បីទទួលបានព័ត៌មាន  
និងចំណេះដឹងថ្មីៗ  
អំពីវិស័យកសិកម្ម



**Agricultural Cooperative  
Strengthening Solution**



# បញ្ជីឈ្មោះកសិករ សហគមន៍ និងក្រុមហ៊ុន ចុះបញ្ជីផ្គត់ផ្គង់បន្លែសុវត្ថិភាព



សូមស្កេននៅទីនេះ៖



## អ្វីទៅជា បន្លែសុវត្ថិភាព?

បន្លែសុវត្ថិភាពជាប្រភេទបន្លែដែលប្រជាជនអាចទទួលបាននូវគុណភាពខ្ពស់បំផុត ឬតូចទៅតាមទំហំដី។ ការដាំដុះនោះមានការប្រើប្រាស់ថ្នាំបាញ់សត្វល្អិត សត្វល្អិតផ្សេងៗ តែធ្វើឡើងតាមលក្ខណៈបច្ចេកទេសត្រឹមត្រូវស្តង់ដារ នៃការណែនាំច្បាស់លាស់ ហើយកសិករបន្លែសុវត្ថិភាព ទទួលបានការ បណ្តុះបណ្តាលត្រឹមត្រូវពីអ្នកជំនាញកសិកម្ម។ បន្លែ ដែលទទួល ស្គាល់ថាជាបន្លែសុវត្ថិភាព លុះត្រាតែបានទទួលវិញ្ញាបនបត្របញ្ជាក់ ជាប្រភេទបន្លែ បានអនុវត្តកសិកម្មល្អ (GAP) ពីក្រសួងកសិកម្ម រុក្ខាប្រមាញ់ និងនេសាទ។



បញ្ជីឈ្មោះកសិករ សហគមន៍  
និងក្រុមហ៊ុន ផ្គត់ផ្គង់បន្លែសុវត្ថិភាព  
សូមស្កេននៅទីនេះ៖



List of farmers, communities and companies  
registered for safe vegetable supply



KOREA  
GREEN GROWTH  
TRUST FUND



THE WORLD BANK  
IBRD • IDA

Ministry of Land Management Urban Planning and Construction (MLMUPC)  
Ministry of Agriculture, Forestry and Fisheries (MAFF)

## LAND ALLOCATION FOR SOCIAL AND ECONOMIC DEVELOPMENT PHASE III (LASED III)



# Summary of LASED III

<b>Executing Agencies</b>	Ministry of Land Management, Urban Planning and Construction
<b>Implementing Agencies</b>	Ministry of Agriculture, Forestry and Fisheries
<b>Project Impact</b>	To provide access to land tenure security, agricultural and social services, and selected infrastructure to small farmers and communities in the project areas.
<b>Project Outcome</b>	<ol style="list-style-type: none"> <li>1. Beneficiaries have access to land tenure security.</li> <li>2. Beneficiaries have access to agricultural services.</li> <li>3. Beneficiaries have access to clean water.</li> <li>4. Beneficiaries have access to economic and social infrastructure and services</li> </ol>
<b>Outputs/Components</b>	<ol style="list-style-type: none"> <li>1. Component 1: Selection and Development Planning of SLC and ICLT</li> <li>2. Component 2: Community Infrastructure Development</li> <li>3. Component 3: Agriculture and Livelihood Development</li> <li>4. Component 4: Project Management, Coordination, and Monitoring and Evaluation</li> </ol>
<b>Project Area</b>	Banteay Meanchey, Battambang, Kampong Thom, Kratie, Mondulkiri, Oddar Meanchey, Preah Vihear, Ratanakiri, Siem Reap, Stung Treng, Tboung Khmom, Kampong Chhnang, Kampong Speu

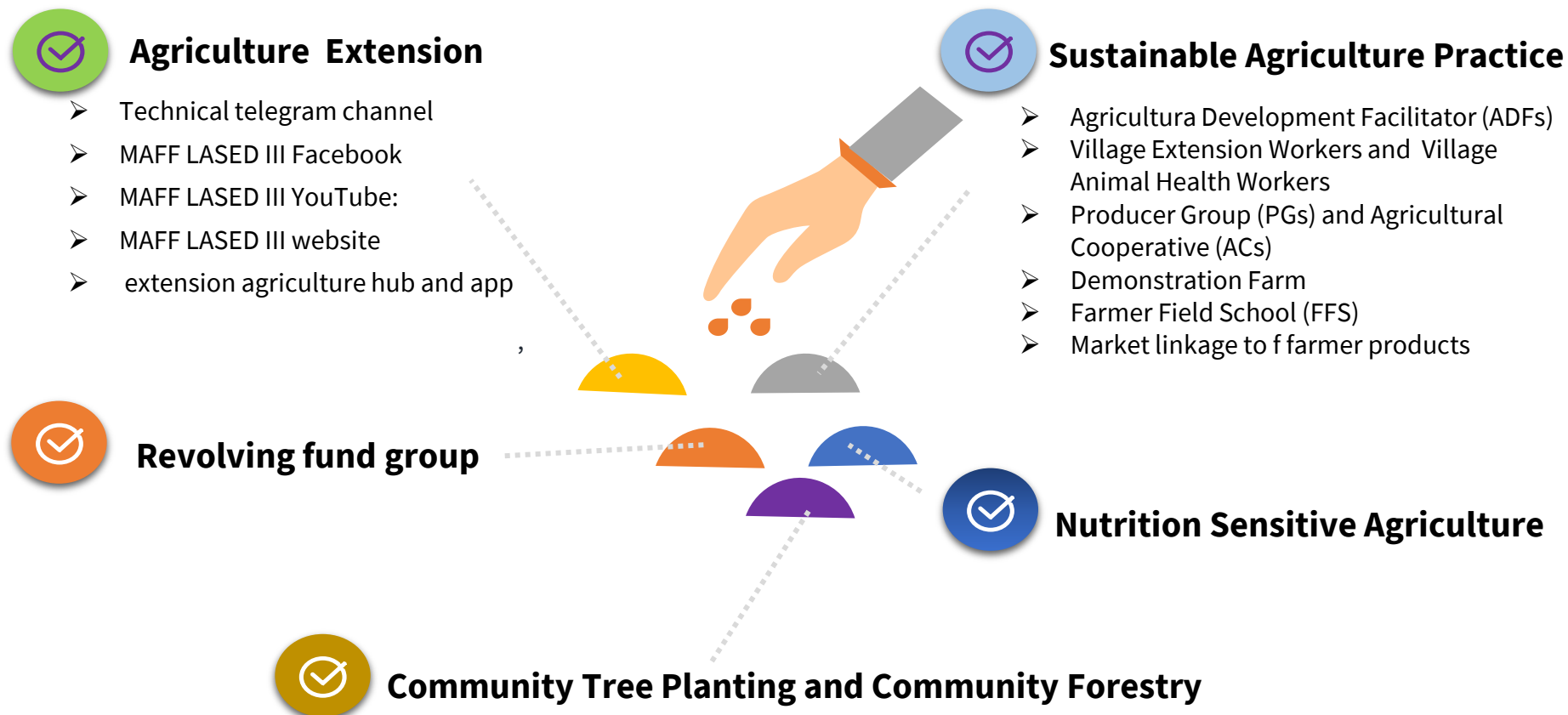


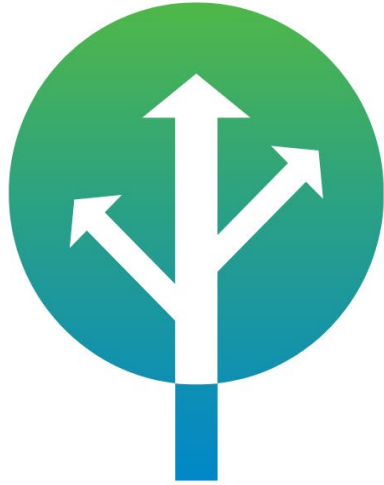
# Agriculture and Livelihood Development

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# Agriculture and Livelihood support





# Korea Green Growth Trust Fund

Digital Agriculture  
Technical Assistance  
support to Cambodia,  
LASED III

supporting the Component 3 of the LASED III to “improve farmers’ access to agricultural and extension services by harnessing digital technologies”. It would also benefit the JSDF-funded CSLICP which aims at promoting improved production of horticulture in targeted indigenous communities. The TF will support activities to test innovative ideas of creative service delivery platform of green and sustainable agricultural practices for smallholder farmers and to demonstrate proof of concept to the Kingdom of Cambodia for further scale up under the LASED III.



# Challenges and Future cooperation

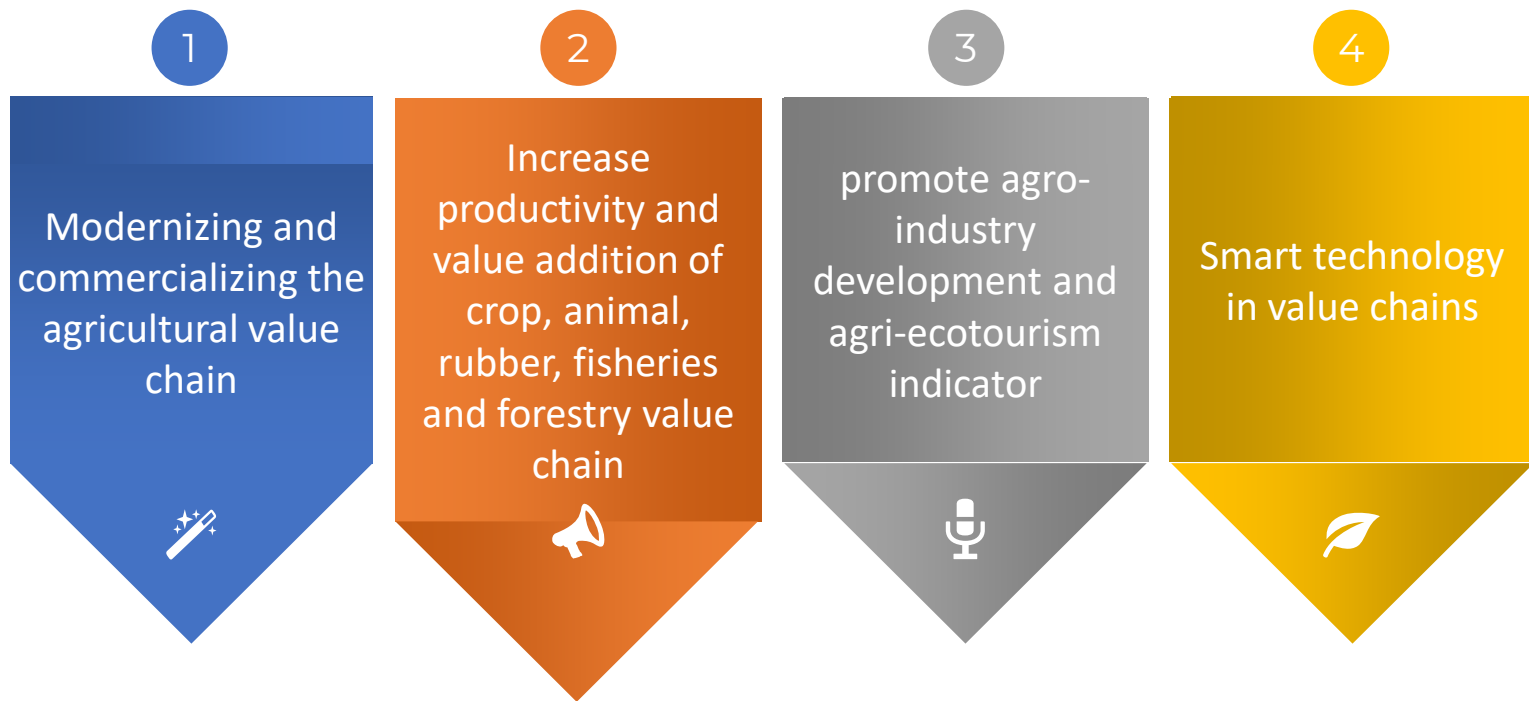


# CHALLENGES





# *FUTURE COOPERATION*





Thanks for your attention.