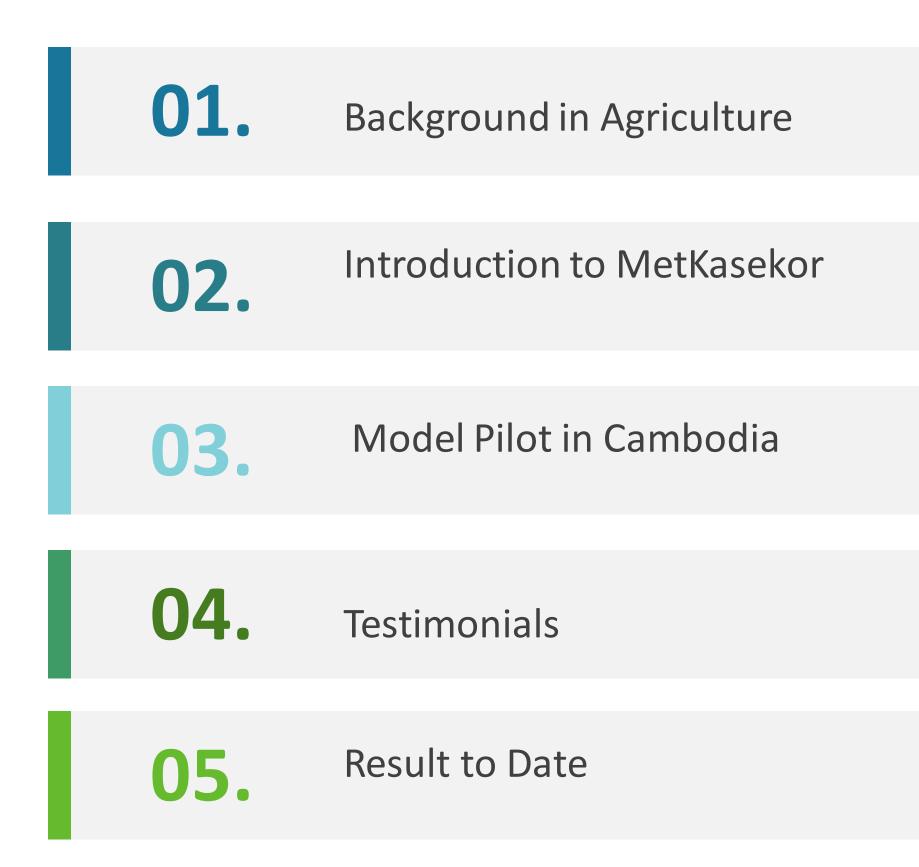


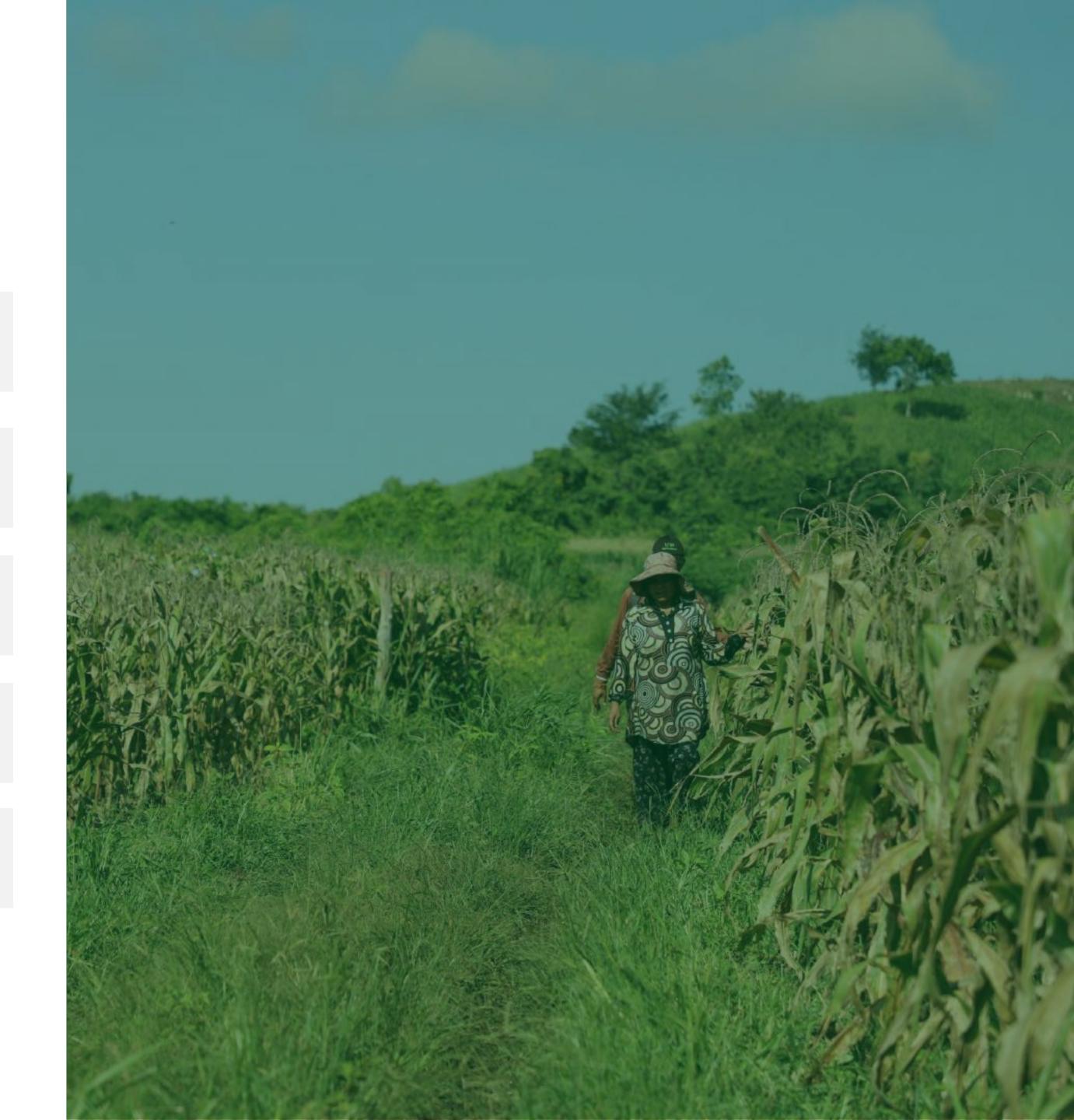
# មិតតសិតវ

An "opening the market" early adopters led extension model



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#### **Challenges in Agriculture**

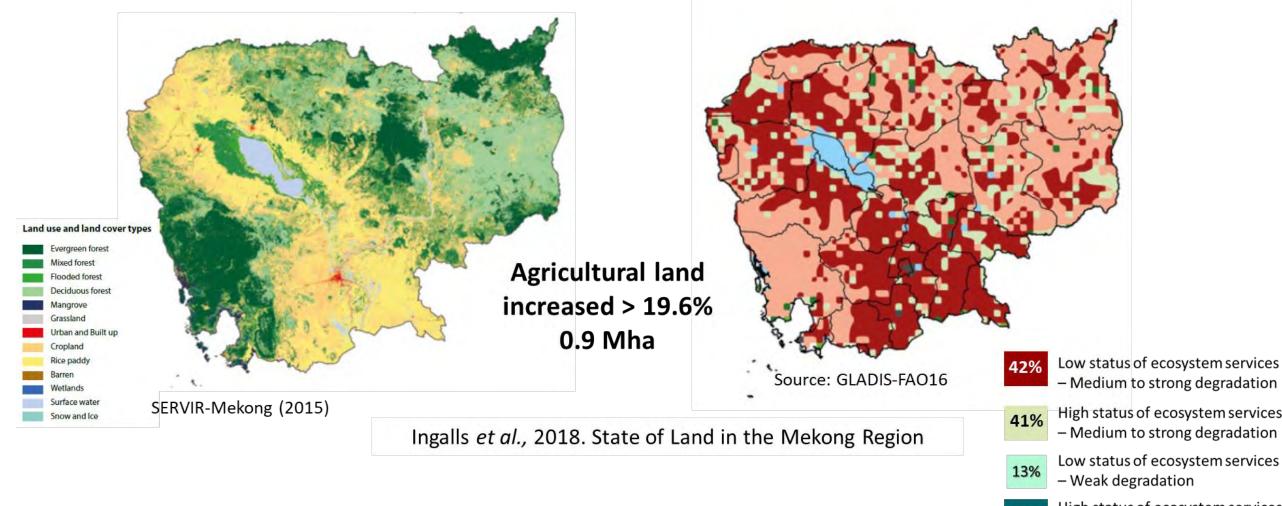
There is a need for the Cambodian agriculture sector to reinvent itself by shifting from increased production through land expansion and excessive use of inputs towards sustainable intensification.

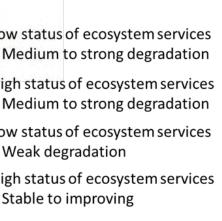
Small holder farmers are particularly vulnerable to climate change given their high dependence on rainfall and minimal crop diversification.

Cambodian agricultural lands are under threat of degradation and soil fertility depletion due to deforestation.

**42%** of land in Cambodia is under strong degradation.

The **annual cost of land degradation** in Cambodia is estimated at USD 677 million.





### **Need for Sustainable Intensification Solution**

Sustainable Intensification looks at optimizing resource utilization and management whereby farmers produce greater yields by using fewer inputs and without increasing land area. Among the key components of sustainable intensification, CA is one of them



#### EFFICIENCY

better use of on-farm and imported resources



#### SUBSTITUTION

focuses on the replacement of technologies and practices



#### REDESIGN

(transformative) to harness ecological processes and connect scales (field to markets).

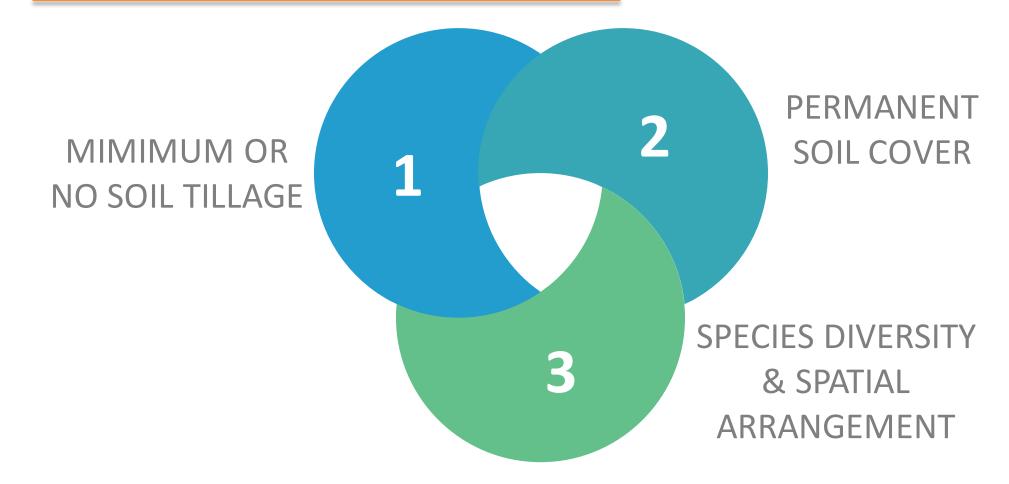


CONSERVATION AGRICULTURE LEADS TO:

- Healthy soil
- Increased resilience of the production systems



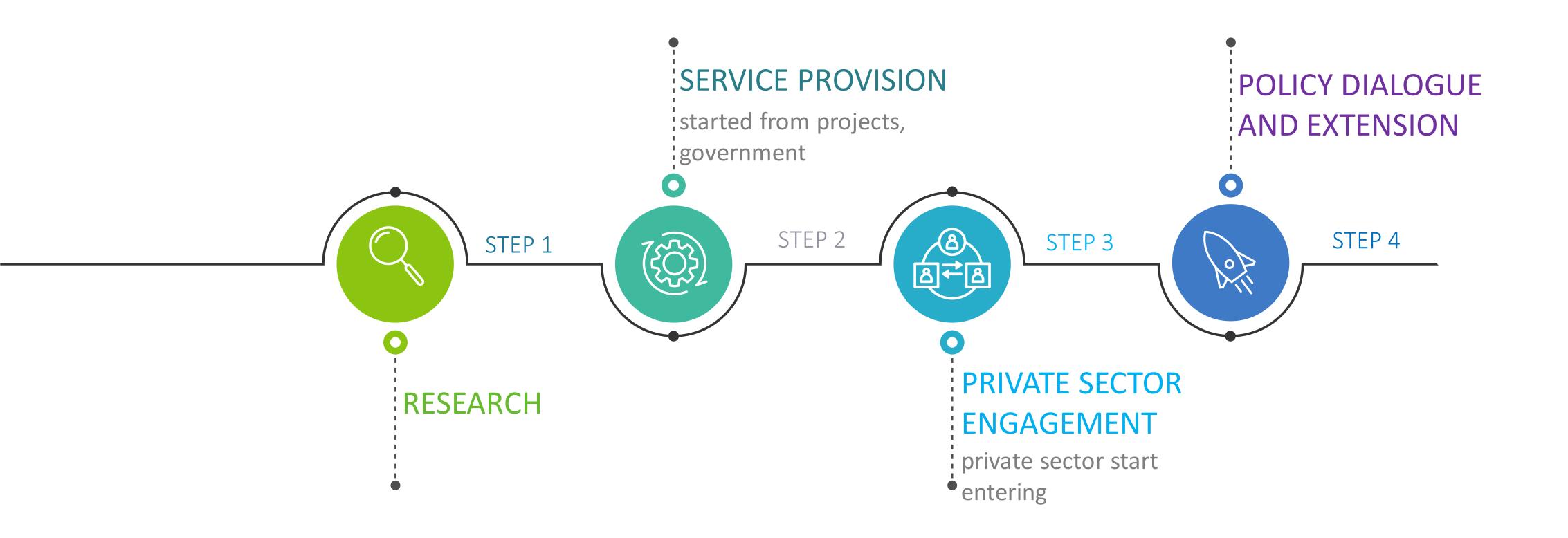
#### THREE PILLARS OF CONSERVATION AGRICULTURE





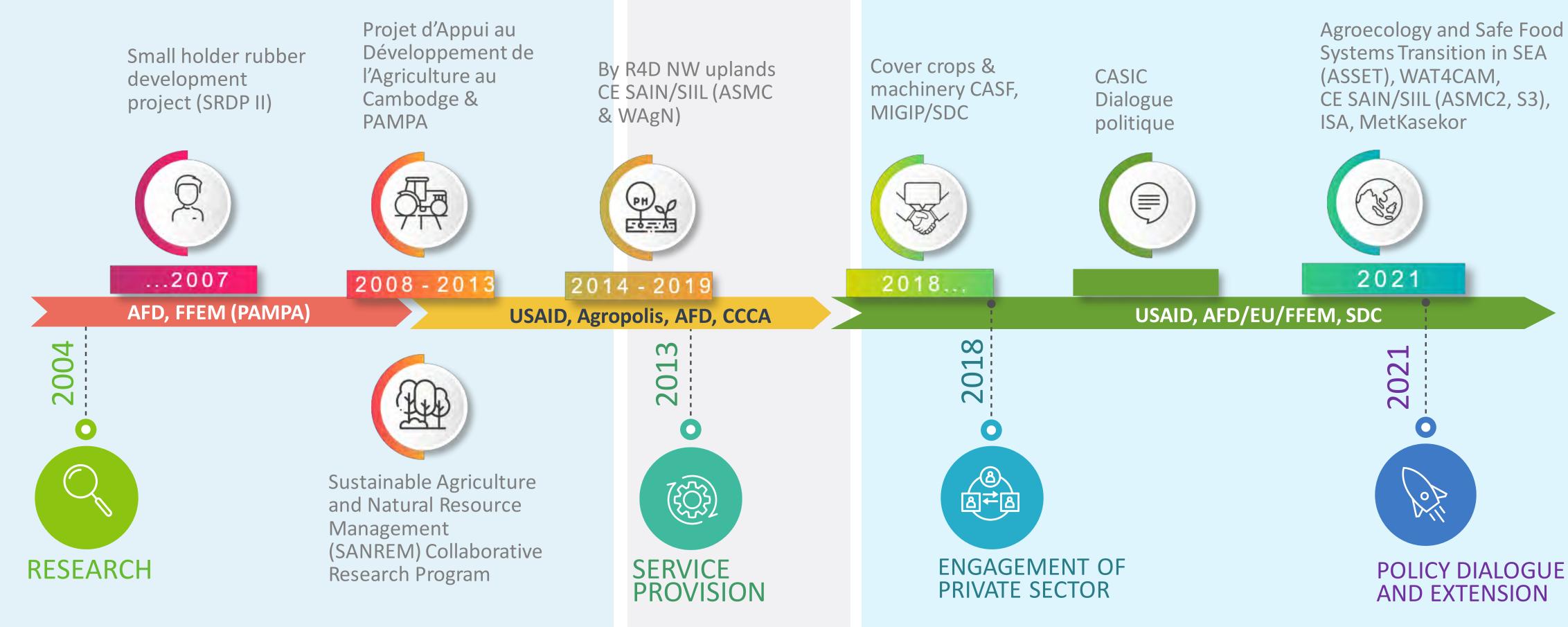
#### Historical Transition from Research to Development

With the interest being picked up by the private sector, it is now important to show them the new markets so that the private sector can promote the sustainable intensification techniques and technologies





#### **Different Initiatives Towards the Transition**





#### MetKasekor Supports Sustainable Intensification



MetKasekor is an "opening the market" early adopter led *extension service* model. MetKasekor focuses **on opening the market for private sector investments** on Sustainable Intensification via government agents and the private sector to smallholder farmers in Cambodia.

#### A model of:











#### **PRIVATE PARTNERS** (PILOT)









#### PROMOTERS



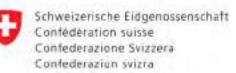








**Collaborative Research on** Sustainable Intensification



**Swiss Agency for Development** and Cooperation SDC



AGENCE FRANÇAISE DE DÉVELOPPEMENT



#### **Unique Features**





#### **PUBLIC SECTOR**

#### **PRIVATE SECTOR**

Involved in "opening the market" for the private sector

Accompany the public sector during the sensitization of the farmers and provide the services on a commercial basis





#### **EARLY ADOPTERS**

Agree to take the SI services and use their land to showcase the results to other farmers

Embed MetKasekor into the Government **Extension System** 



#### Model



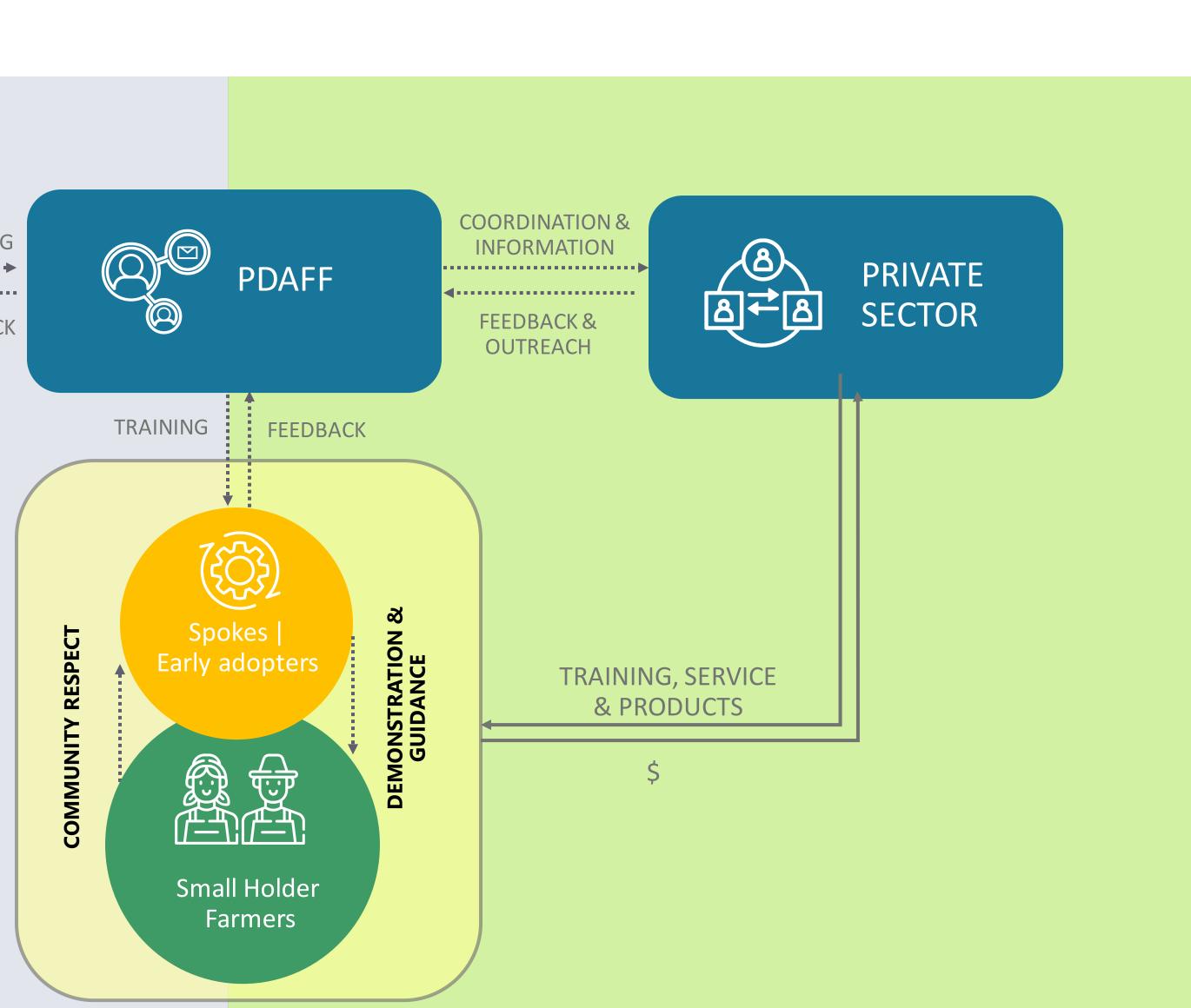


DAEng DALRM DEAFF

TRAINING
<b>*</b>
FEEDBAC

Social Network

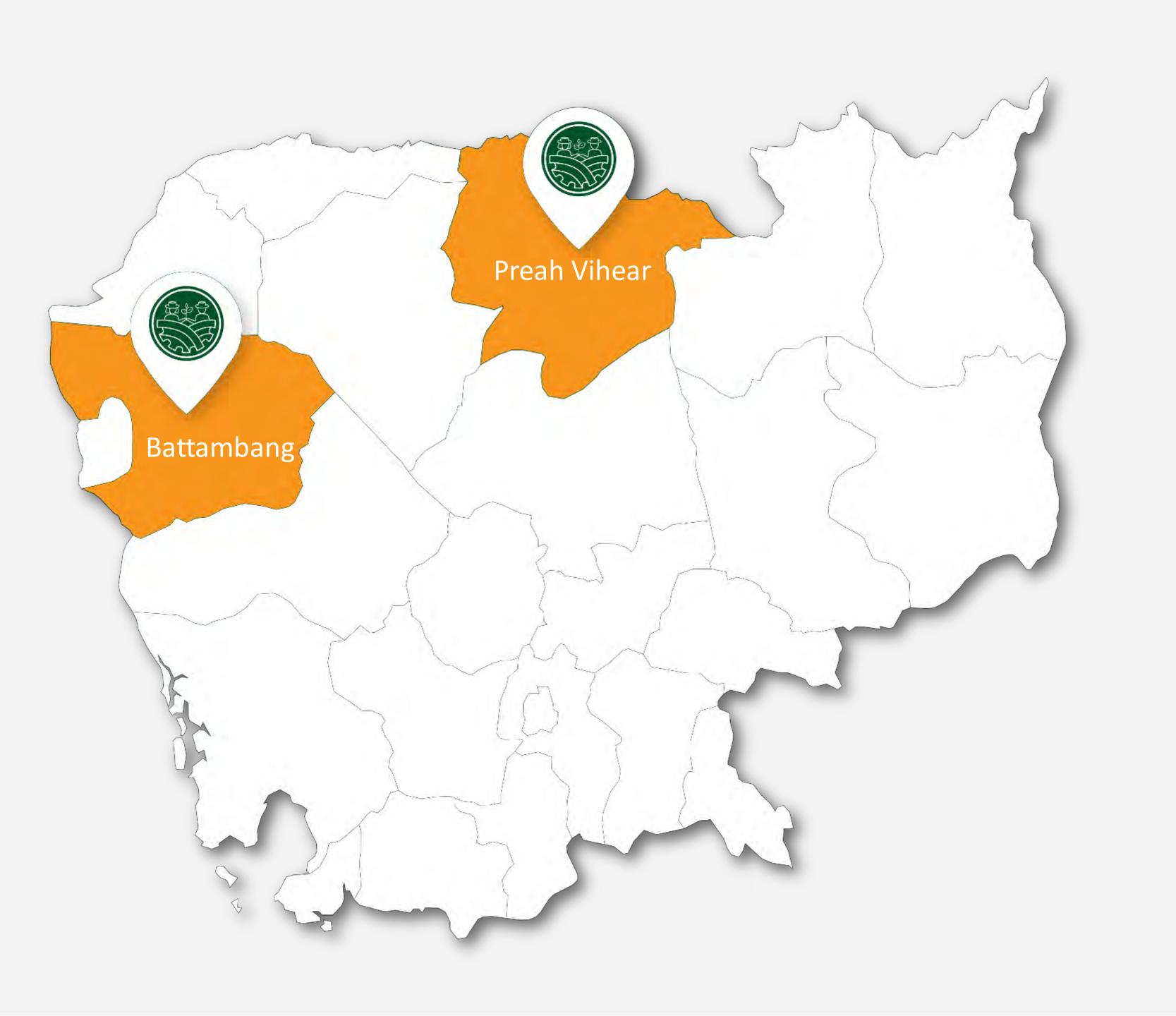
- DAEng: Department of Agriculture Engineering
- DALRM: Department of Agriculture Land Resources Management
- DEAFF: Department of Extension of Agriculture, Forestry and Fisheries
- PDAFF: Provincial Department Agriculture, Forestry, and Fisheries



#### **Current Status**

MetKasekor will be piloted in two provinces: Battambang and Preah Vihear (2021-24)

The pilot will be monitored by a Steering Committee within the Ministry of Agriculture, Forestry and Fisheries (MAFF)



#### Aspiration

MetKasekor fully integrated into the existing extension system of government, including provision of resources MetKasekor model promoted by climate change and extension initiatives

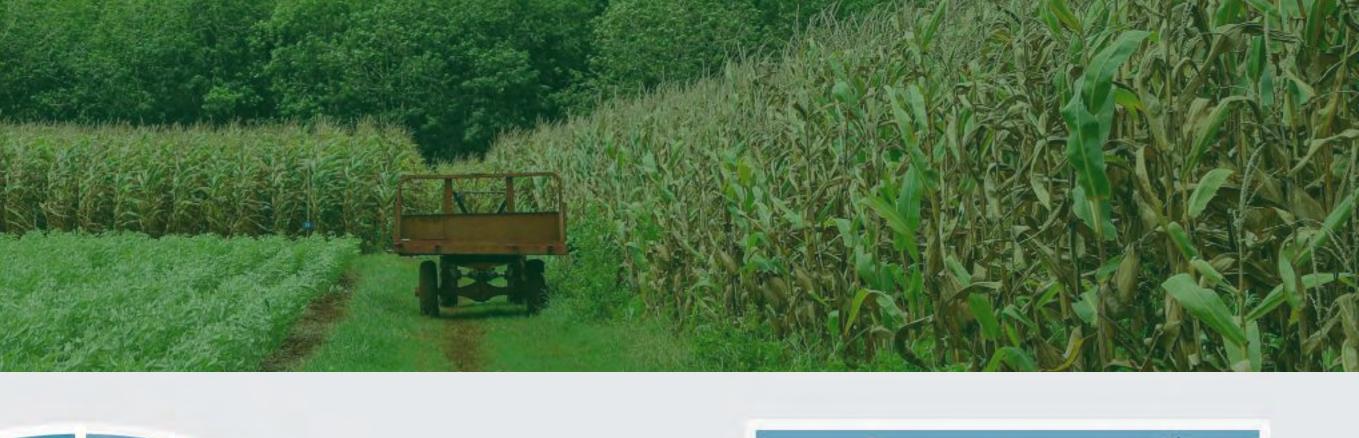


Private sector demand to be part of MetKasekor and cosharing resources with the Government Metkasekor is studied by academic institutes and additional practices of sustainable intensification are integrated



#### MetKasekor Technologies





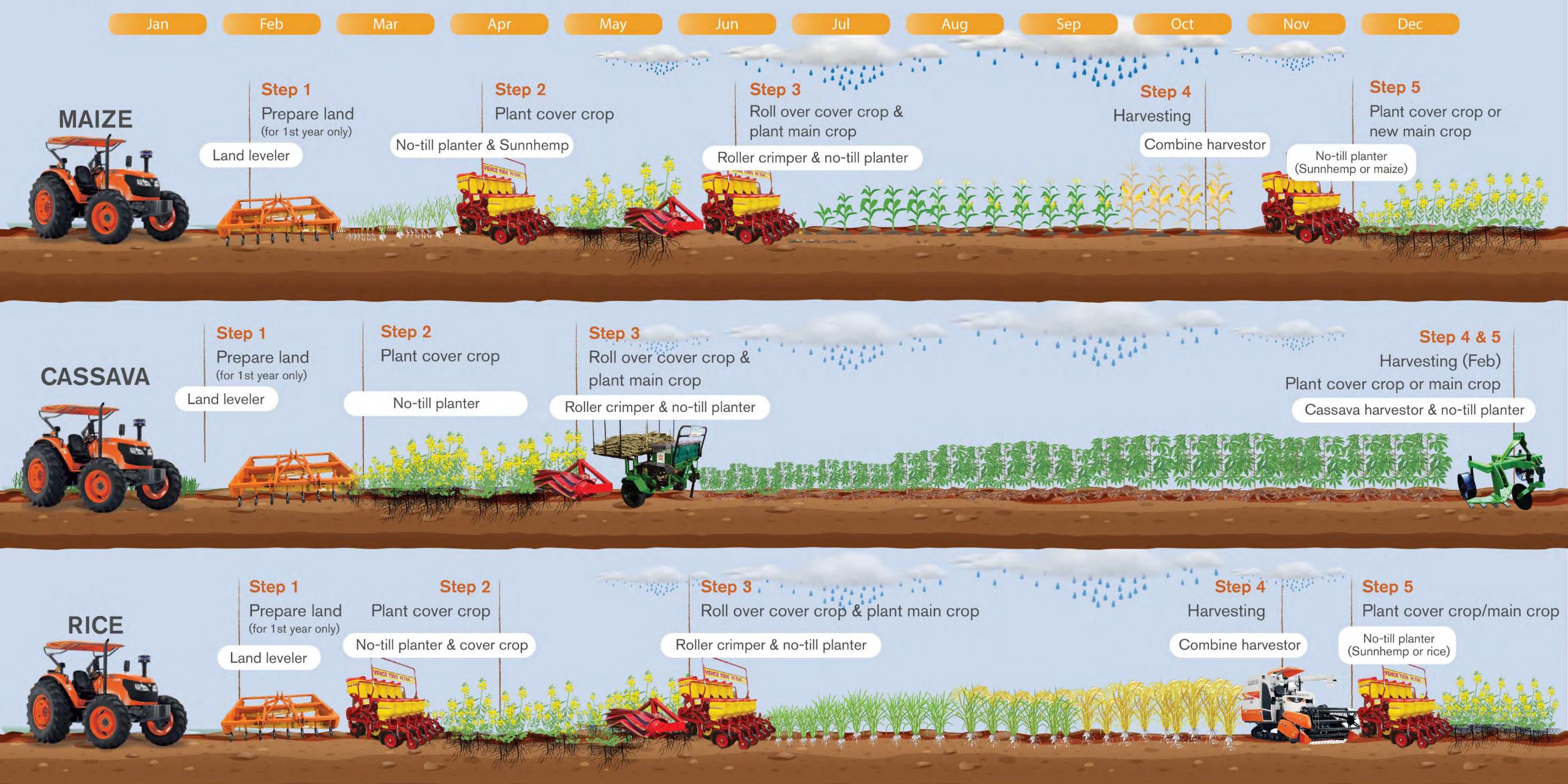


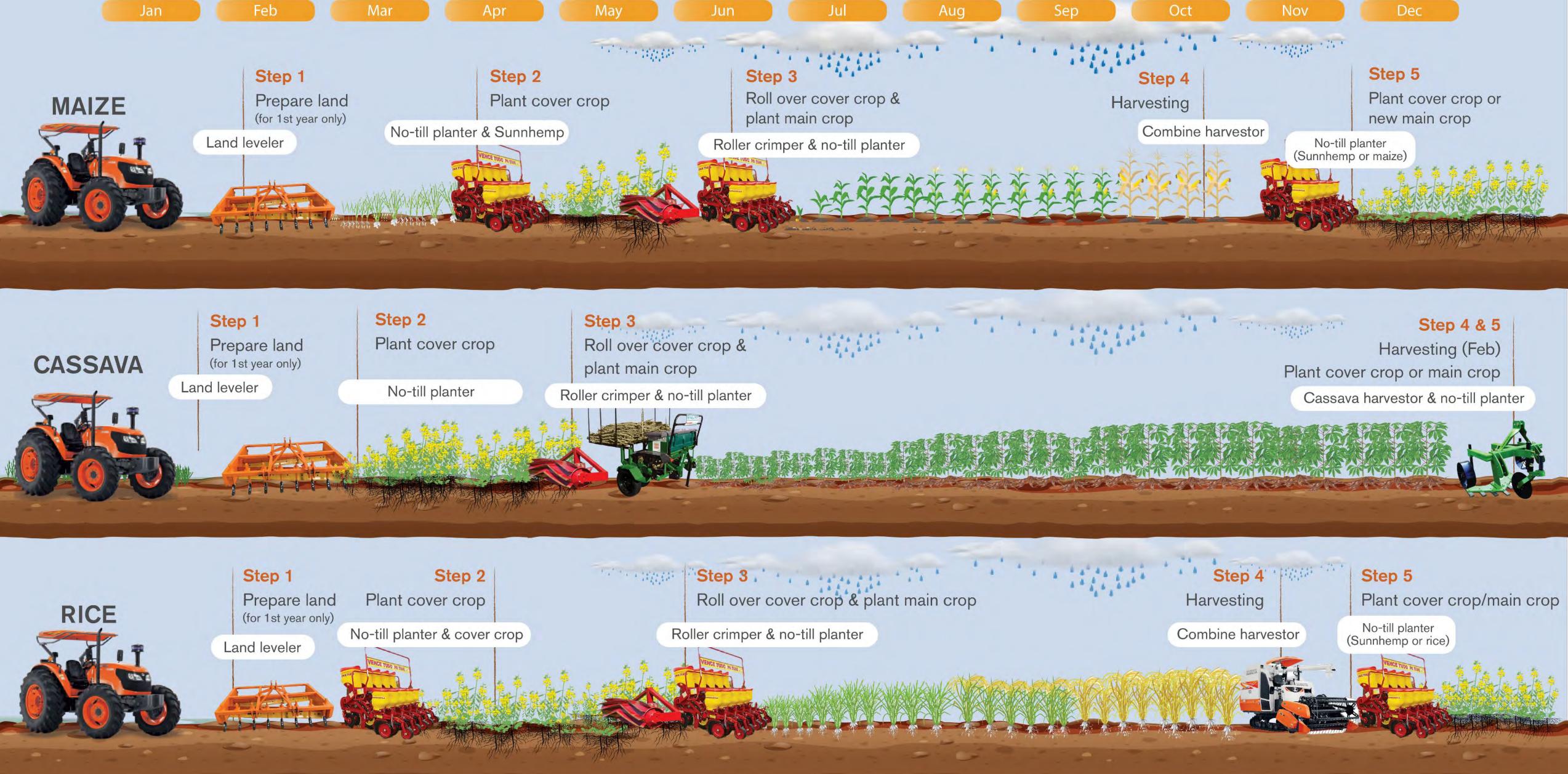




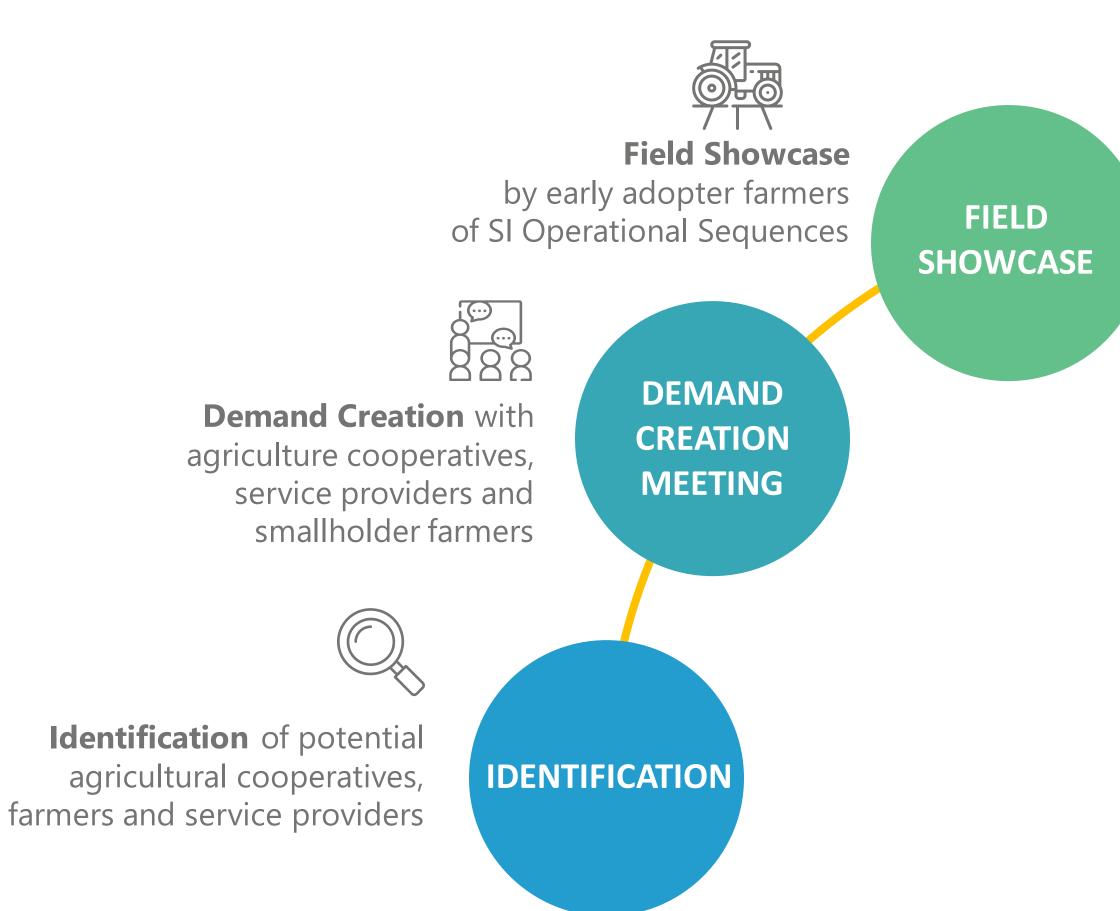


#### MAIZE, CASSAVA & RICE CROP CALENDAR





#### Metkasekor Steps





ANNUAL MEETING



Annual Meeting to review progress of the model (during pilot phase)





Promotional Meeting to enlarge the pool of private sector

#### **Testimonials**



#### Mrs. Kim Davin

Director of Tonle Sap Agribusiness Project (AMK)

MetKasekor Model shown to be transparent, with Swisscontact being neutral and government partners provide technical supports. It allows private sectors like us (AMK) to fully take ownership and easily implement such as providing products and promotional supports, especially, in term of financial clients where farmers/lead farmers are the target groups. This model also practical for farmers where AMK able to help the whole chain of farmers who practicing CA.



Mr. Sar Veng Field Coordinator of CASC

I am excited to implement this model and also is interested in each step of MK, first it started from search and demand creations for farmers based on their need. The linkage between all stakeholders allows smooth implementation, producing effective results. MetKasekor also provides good trainings and capacity building for all the actors including private and public sectors and our ground team by connecting and networking with different stakeholders.

#### **Testimonials**



Mr. Leng Vira Project Coordinator, CASC

The model is very effective for promoting CA and sustainable agriculture, starting from step 1 – step 6 it helps my team a lot where all the resources are used without any waste and the implementation is a promise activities that we can really reach the targets that we have projected.



#### Mr. Marc Eberle CEO, SmartAgro

Metkasekor works well as a model in the Cambodian context. The model seeks to marry the public with the private sector to ensure legacy on the ground and serves to scale-out innovations from public research institutions.

#### **Results to Date**





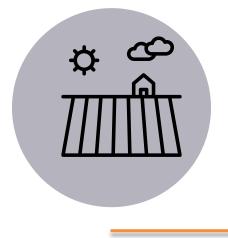


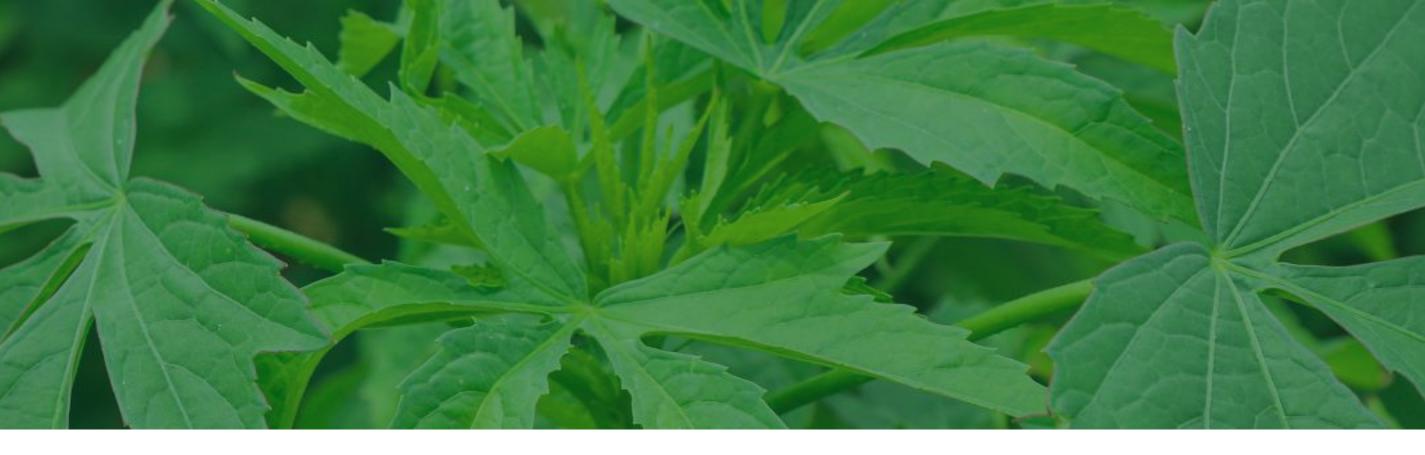


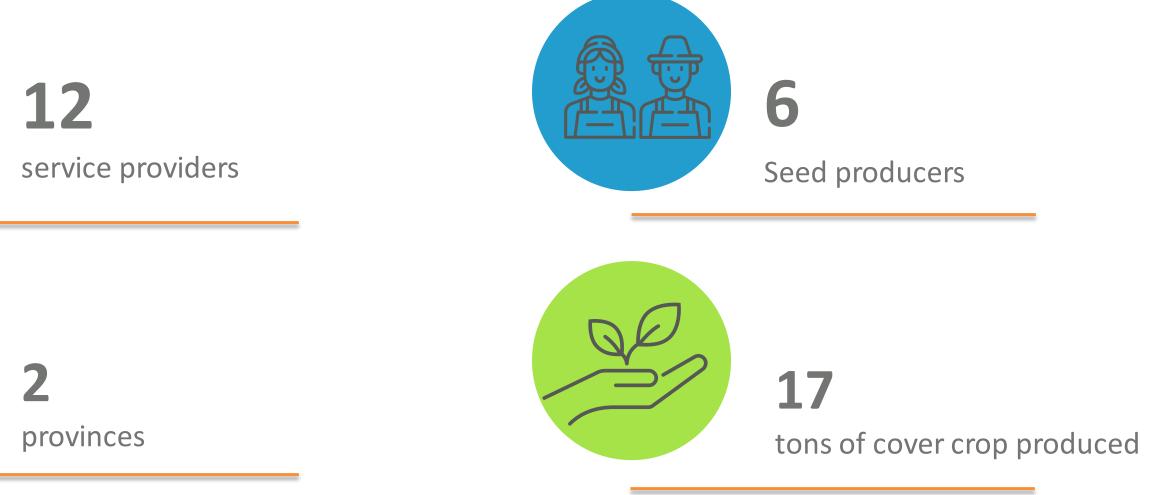












## **1000** ha of land covered

# CONTACTUS

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#### EXPANDING

your business in the sustainable intensification (machinery, credit, inputs, etc)



support to expand the MetKasekor model or parts of it in other parts of Cambodia

#### WWW.METKASEKOR.COM

info@metkasekor.com



#### PROVIDING



more research on how sustainable intensification can scale up in Cambodia