



# CGIAR Research Program on Forests, Trees and Agroforestry (FTA)

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**RESEARCH  
PROGRAM ON**  
Forests, Trees and  
Agroforestry





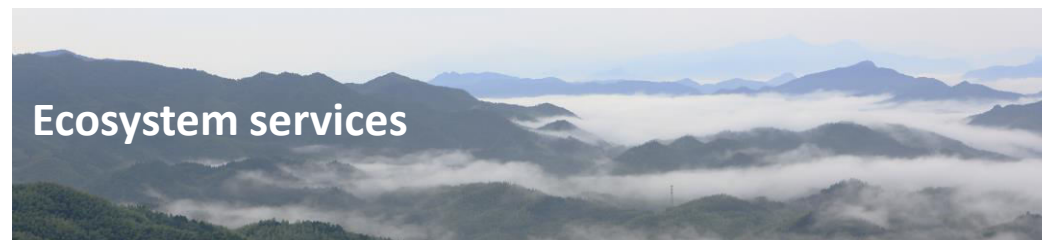
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# Program Objectives

Forests, trees and agroforestry for **livelihoods**, achieve **sustainable development** and **food security** and tackle **climate change**.

Key emblematic commodities, traded worldwide.

FTA adopts a combined **landscape approach** + **value chain approach**



Timber



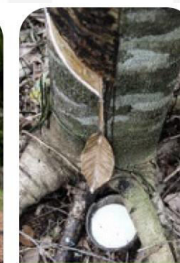
Oil palm



Coffee



Cocoa



Rubber



Tea



Bamboo



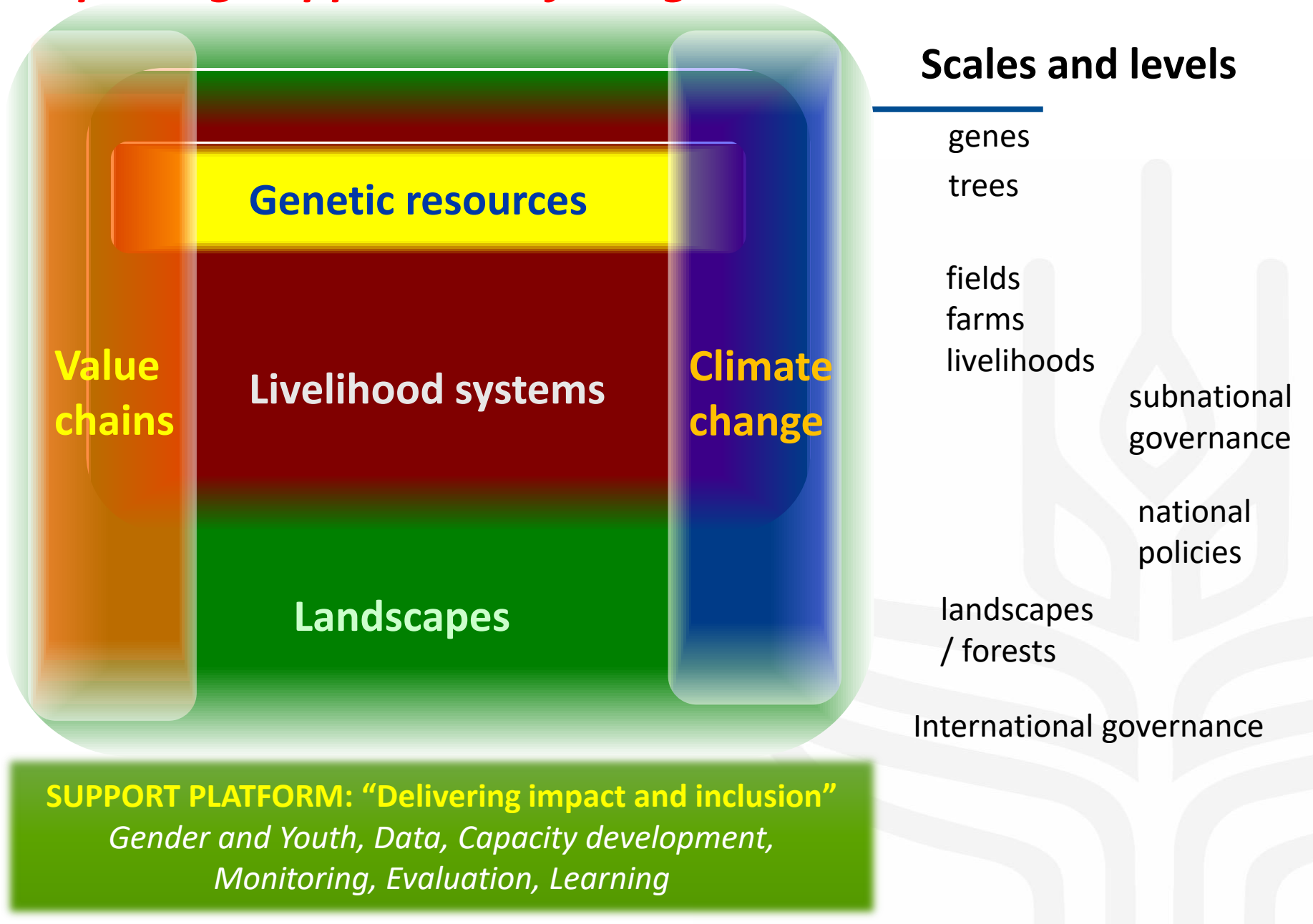
Rattan



Other tree-based crops

NWFP

# A “package approach” of integrated solutions



# Program Objectives



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## **FTA to support countries achieve NDCs: By 2022:**

- *31 million more farm/smallholder households have adopted **improved varieties, breeds or trees, and/or improved management practices***
- 25 countries to improve **forest and agroforestry and land-use governance mechanisms**, institutions and tools, through FTA engagement with policy makers.
- *30 million ha of **degraded land area under restoration**, 2.5 million ha of **avoided deforestation***
- *Sustainable value chains and investments: **Improved business models and investment decisions on key value chains (timber, palm oil, coffee, cocoa, rubber)** : FTA works directly with 20 multinational companies, reaching approximately 500 private sector actors through five global, regional and national business platforms. These activities will benefit around 40 million smallholder households.*
- ***19 million people assisted to exit poverty, 17 million people meet minimum dietary requirements** or experience increased dietary diversity (in both cases 50% women)*

# Program Impact (2017)



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## Technical options

- **Technical options by context: Large scale participatory trials (11.5 million people and 105 million ha)** of sustainable agroforestry intensification options in 7 countries in Africa and Latin America
- **Training modules** adopted conserving genetic resources in curricula about forestry, natural resource management or environmental studies. They have been translated into Spanish, French, Russian and Chinese and adopted by universities in the south.

## Value chains and investments

- Investors and government agencies in three countries (Brazil, Indonesia and Mozambique) developed **more inclusive and sustainable business models**, and options for enhancing responsible investment.
- Improving **international sustainability standards** for two commodities (**timber and oil palm**)
- **Value chain innovations** promoted in six countries: **innovation platforms**, involving private and public actors providing options to increase income capture for smallholders

## Policies

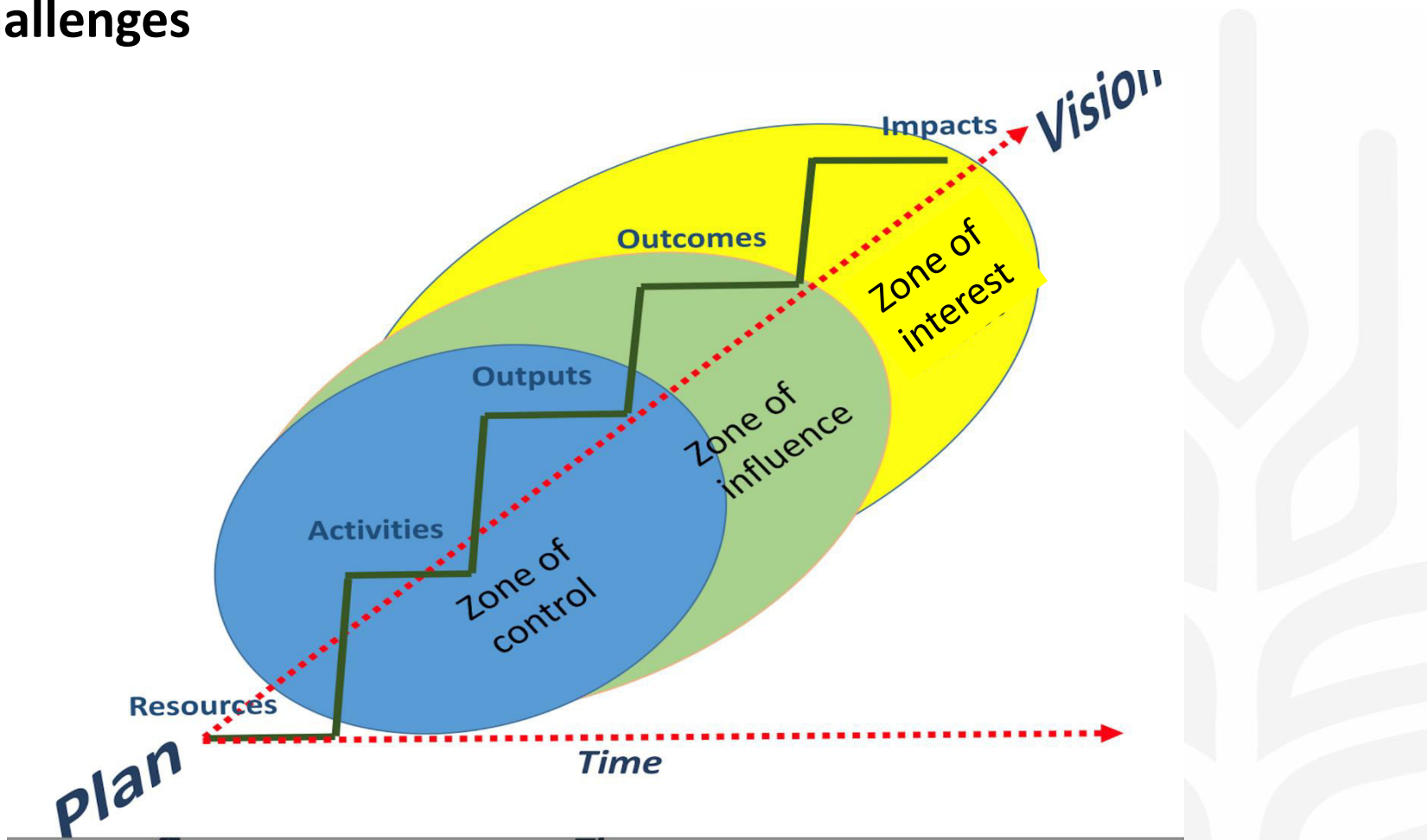
- Advise 10 countries on **integrating changes in forest and tree cover in food security and disaster reduction strategies**
- **Testing of policy / institutional reform to lift barriers to sustainable and equitable tree management** in six countries (Peru, Kenya, Rwanda, Mali, Burkina Faso, Vietnam), covering 10 million people and 100 million ha.
- **Analysis and evaluation of tenure reforms** : in China (**evaluation of Sloping Land Conversion program in Yunnan province**), Viet Nam, Indonesia, Cameroon and Peru;
- Help the Green Climate Fund preparing the REDD+ Result-Based Payment Strategy (RBP)
- Provide advice to countries and UNFCCC on adaptation-mitigation synergies

# Monitoring & Performance



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## 1- Challenges



# Monitoring & Performance



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## 2- Solutions

- Link between our work and impact results. Clear description of the impact pathways and the assumptions. ToC.
- Quantify impact pathways :
  - Combining rigorous analyses on a small representative sample (impact assessment studies).
  - Much broader collection of data based on proxies to enable to infer/document impacts at scale.
- **Integrate performance monitoring at project design phase.**
- Use different approaches: impact assessment, outcomes stories : **CGIAR has harmonized methodologies and templates.**



# Monitoring & Performance



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## 3- Future outlook and innovations

- **More and more data is collected, at different levels**, by farmers, in value chains, by countries. Countries are investing more in data collection (SDGs, NDCs, etc).
- **How can this data be used to monitor the performance of a program?**
- Integrate project and program monitoring into the objective of data collection by the actors we engage with, in their own monitoring/data collection system
- Technological advances **in automated measurement in the field**, remote sensing, drones.
- Potential for **interconnection of measurement systems** of different kinds (biophysical, social, nutrition)
- Use of **Big data**.
- Improvement of methodologies that enable to link **deep analysis on a sample with demonstrating quantitative impacts at scale**
- Open access policy
- Feed the information into our **new CGIAR systems**: MARLO and dashboard



# FTA and China



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- INBAR strategic managing partner of FTA since 2017
- CIFOR has a recent MoU with CAAS. MoU with SFA.
- **Work with China's Forest Economics and Development Research Center (FEDRC) on China's Conversion of Cropland to Forest Program (CCFP) = world's largest land restoration program**
  - Assessing the PES scheme
  - Joint work in Ethiopia to share experiences.
- ICRAF's partnership with the **Centre for Mountain Ecosystem Studies (CMES)**; a joint laboratory with Kunming Institute of Botany, Chinese Academy of Sciences
- **CAAS-ICRAF joint laboratory on Agroforestry and Sustainable Animal Husbandry** with the Institute of Animal Science in Beijing.

## FTA work in other parts of the world that could interest China

- Overarching objectives: Food security, sustainable trade and fill the ecological infrastructure gap.
- Integrated view on intervention, intervention packages with a bottom-up philosophy
  - Orphan crops, Sustainable timber, Agroforestry, coffee, cocoa, tea, rubber
  - Biomass, bioenergy and raw material, including bamboo (INBAR),
  - A link with FTA to develop presence and partnership locally, esp. in Africa.
  - Linkages with the Belt and Road initiative

# Thank you



## Xiè xiè dà jiā de guān zhù