

# The CGIAR Research Programme (CRP) Forests Trees Agroforestry (FTA)

**Flagship 1: Tree Genetic Resources to bridge  
production gaps and promote resilience (TGR), 2017-  
2022**

ICRAF – Bioversity - UCPH

15 Research centers

Among which  
World Agroforestry Centre (ICRAF)  
Bioversity  
CIFOR



CGIAR: Consultative Group on International Agricultural Research

CGIAR – worldwide- agricultural research for development



# INTEGRATED CRPs SET OUT FOR COHERENCE AND GREATER IMPACT

2011 -

## AGRI-FOOD SYSTEM PROGRAMS

### GLOBAL INTEGRATING PROGRAMS

Managing and Sustaining Crop Collections

Accelerating Genetic Gains

Dryland cereals and legumes agri-food systems

Fish agri-food systems

Forest and agroforestry landscapes

Livestock agri-food systems

Maize agri-food systems

Rice agri-food systems

Roots, tubers and bananas agri-food systems

Wheat agri-food systems

Agriculture for Nutrition and Health

Climate Change, Agriculture and Food Security

Water, Land and Ecosystems

Policies, Institutions and Markets

FTA 2017-2022



# The five sub-components of FTA

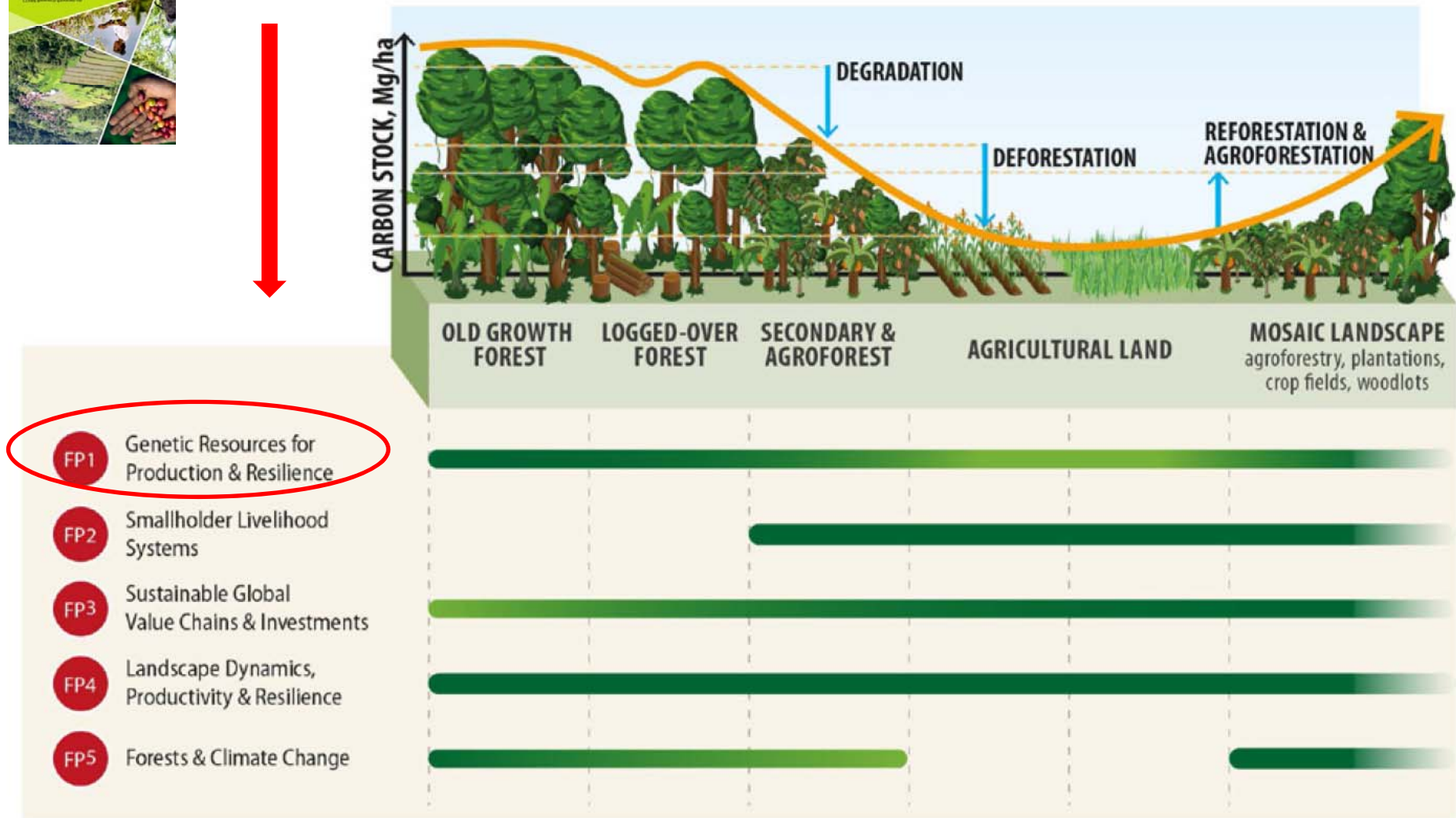
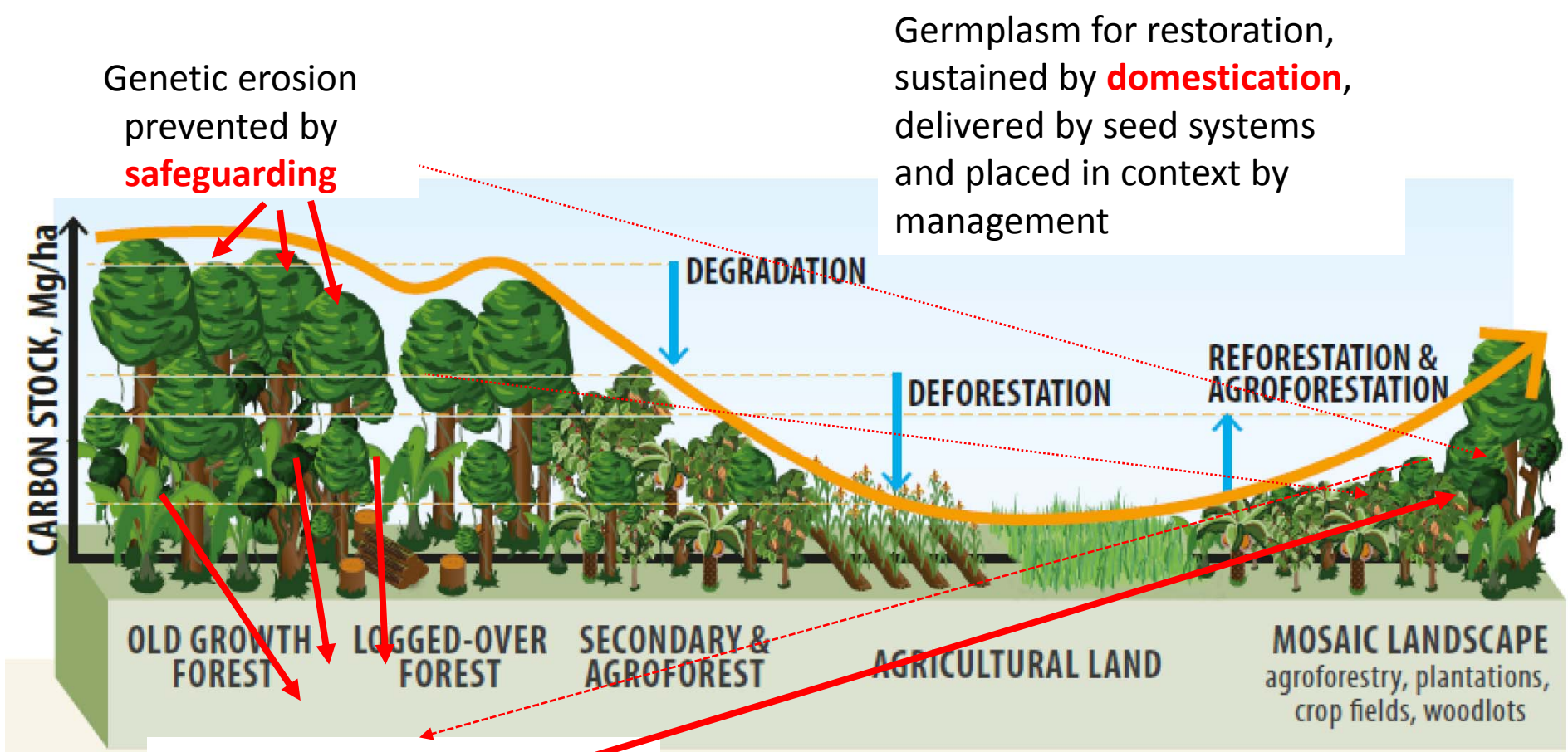


Figure 3. Forest and tree cover transition curve



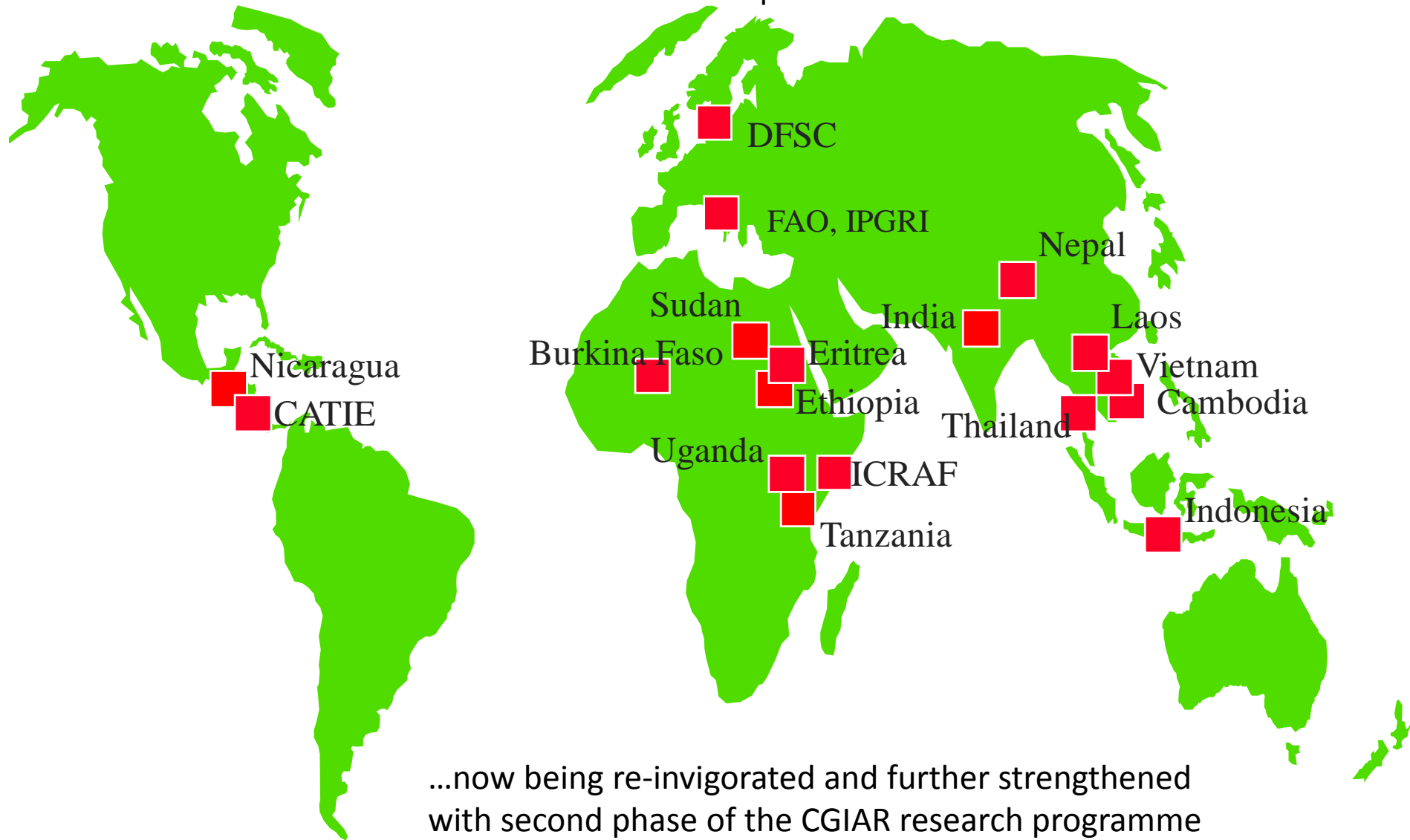
Genetic erosion prevented by **safeguarding**

Germplasm for restoration, sustained by **domestication**, delivered by seed systems and placed in context by management

Raw material for domestication, sustained by safeguarding

Improved material from domestication, delivered by **seed systems** and placed in context with other FPs, especially 'livelihoods' and 'landscapes'

**Experience:** A global tree seed programme since 1965  
FAO, DFSC (now UCPH), ICRAF and IPGRI (now Bioversity)  
and national partners



...now being re-invigorated and further strengthened  
with second phase of the CGIAR research programme  
on Forest, Trees and Agroforestry including a sub-  
programme dedicated to tree genetic resources

# Major engagements of DFSC/UCPH in Asia 1965-2017

- Teak Improvement Centre, Thailand (TIC) 1965-1975
- Pine Improvement Centre, Thailand (PIC) 1975-1985
- Gene conservation programme, Thailand 1990-1993
- Forest Genetic Resources Conservation and Management Programme FORGENMAP, Thailand 1997-2002
  
- Indo-Danish Tree Seed Programme, India 1971-1979
- Medicinal Plants Conservation Programme, Southern India 1993-2007
  
- Nepal Tree Improvement Programme 1992-1997
- Nepal Tree Improvement and Silviculture Component 1998-2002
  
- Vietnam Tree Seed Project (VTSP) 1998-2005
- Laos Tree Seed Project (LTSP) 1998-2003
- Cambodia Tree Seed Project 1999-2006
  
- Indonesia Tree Seed Source Development Programme TSSDP 1993-1997
- Indonesia Forest Seed Project (IFSP) 1998-2002
- Sustainable and Integrated Management of Mbeliling Forest, Flores, Indonesia (2007-2014)
- Decentralized tree seed supply in practise, Sulawesi, Indonesia 2014-2017
- Danida Support to Harapan Rainforest, 2011-2017