



World Congress of
Agroforestry 2009
Nairobi Kenya 23-28 August

Agroforestry

The Future of Global Land Use

Outcomes of 2nd World Congress of Agroforestry

Nairobi, 24-28 August 2009

Dennis Garrity

Agroforestry Symposium

United Nations University

16 December 2009

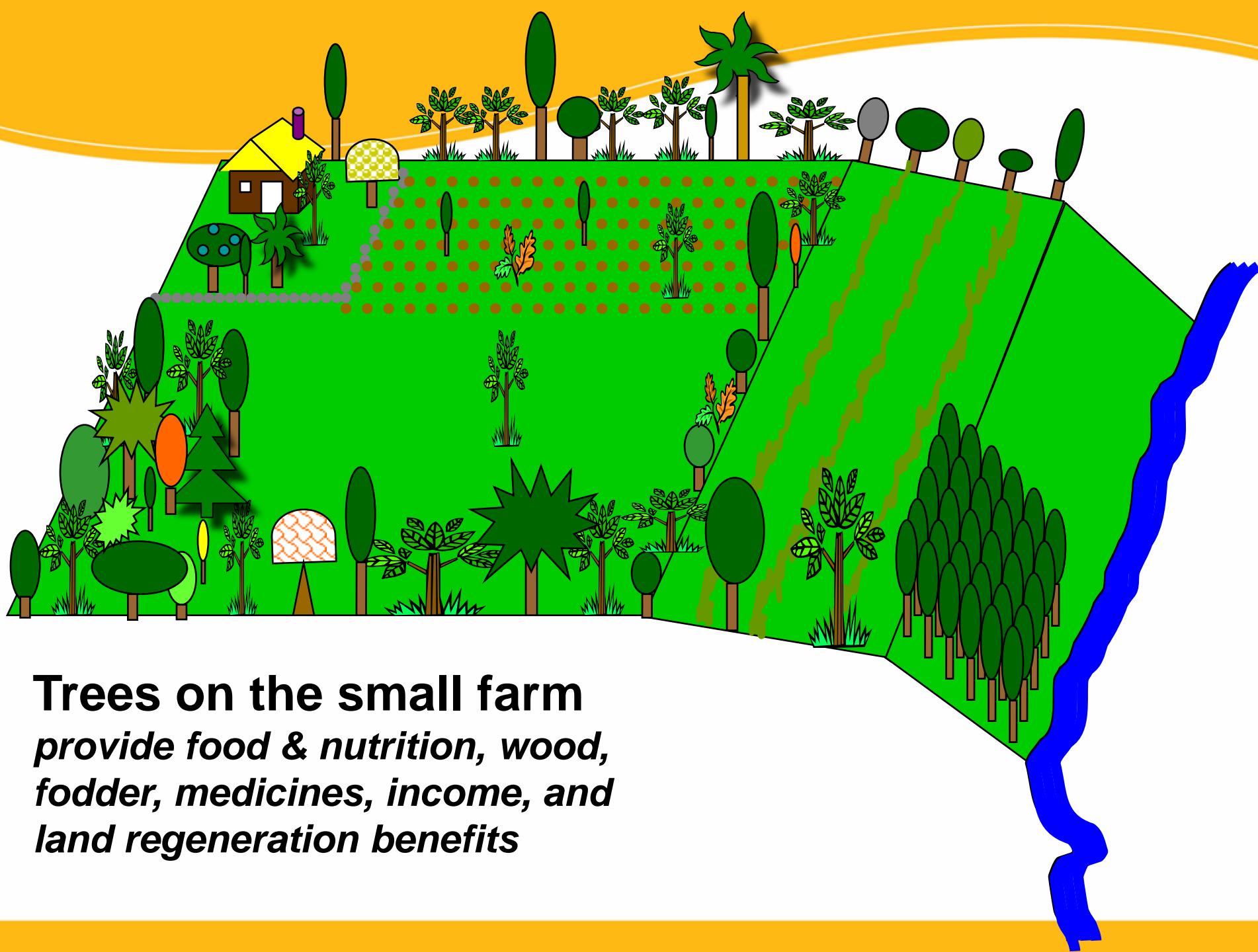


World Agroforestry Centre
TRANSFORMING LIVES AND LANDSCAPES

What is Agroforestry?

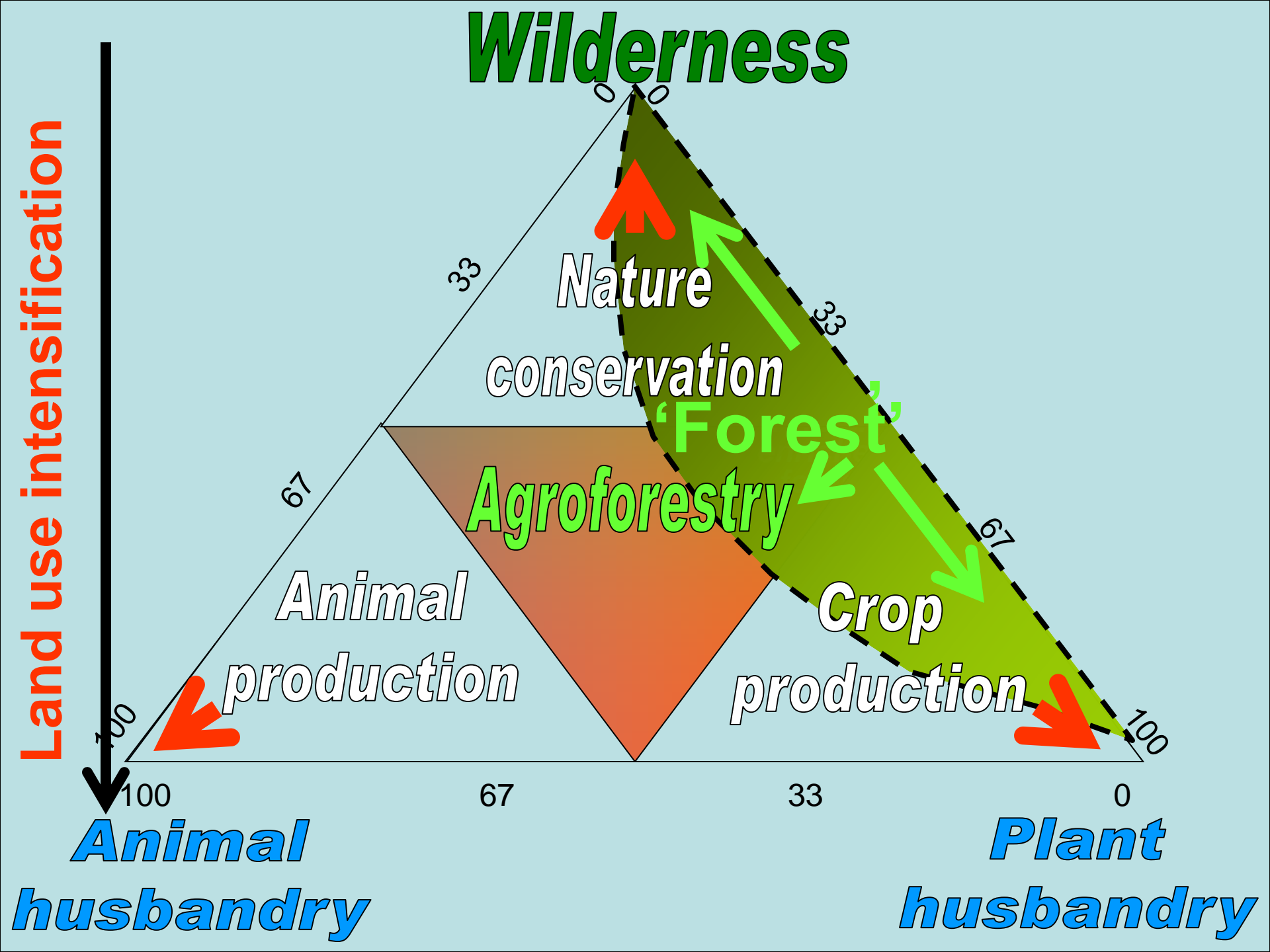
Agroforestry is a dynamic, ecologically-based, natural resource management system.

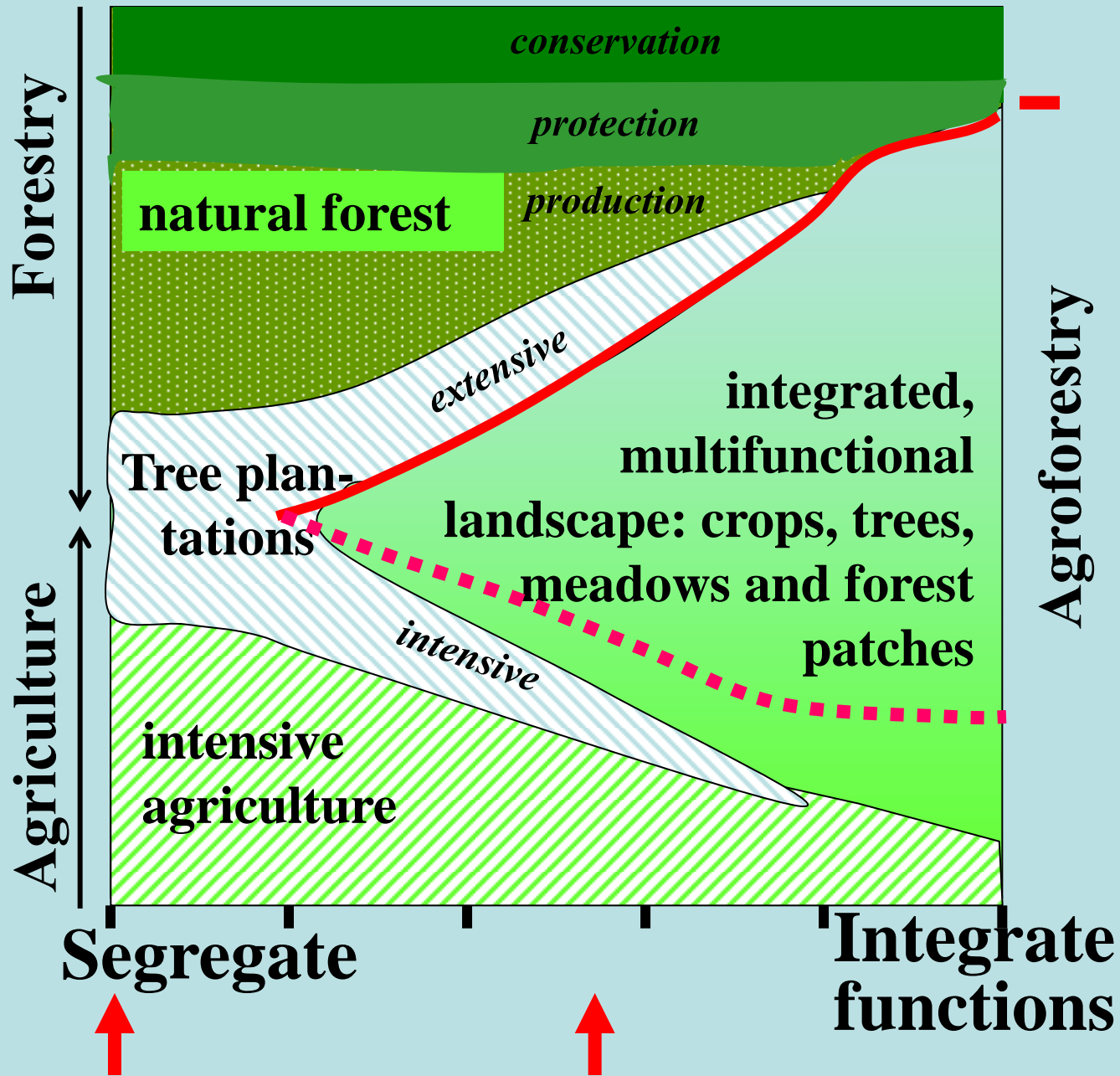
By integrating trees on farms and in the agricultural landscape, it helps diversify and sustain production for increased economic, environmental and social benefits.



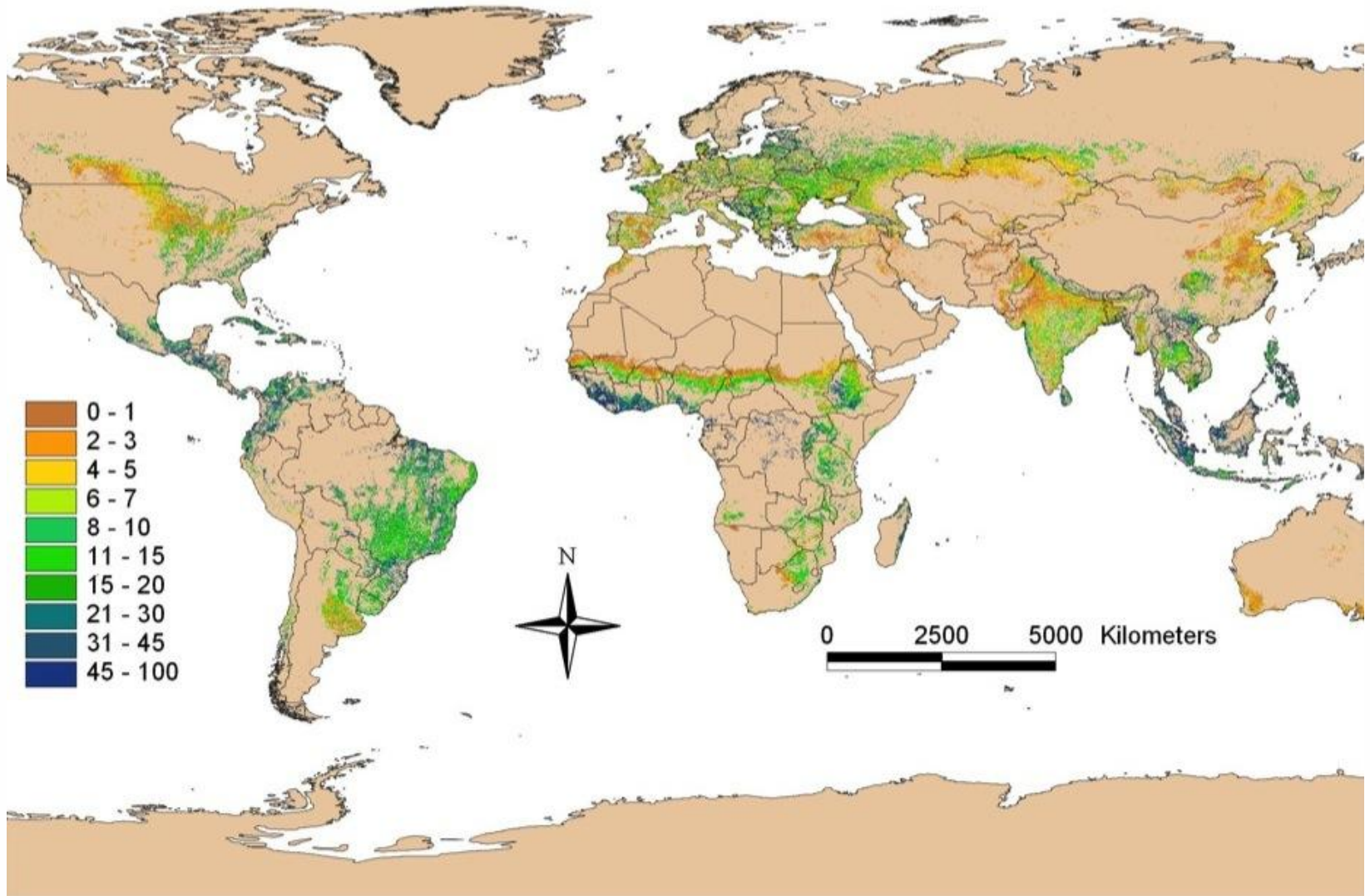
Trees on the small farm
*provide food & nutrition, wood,
fodder, medicines, income, and
land regeneration benefits*







Tree Cover on Agricultural Land - Global



*'The proportion of trees on farms and in forests varies considerably among countries, but **two trends** seem almost universal in the tropics:*

-- the number of trees in forests is declining, and

-- the number on farms is increasing'

FAO. 2005. State of the World's Forests

Congress Subthemes

1. Agroforestry for Food Security
2. Conservation and Rehabilitation of Natural Resources
3. Agroforestry Policy Challenges

1. Agroforestry and Food Security

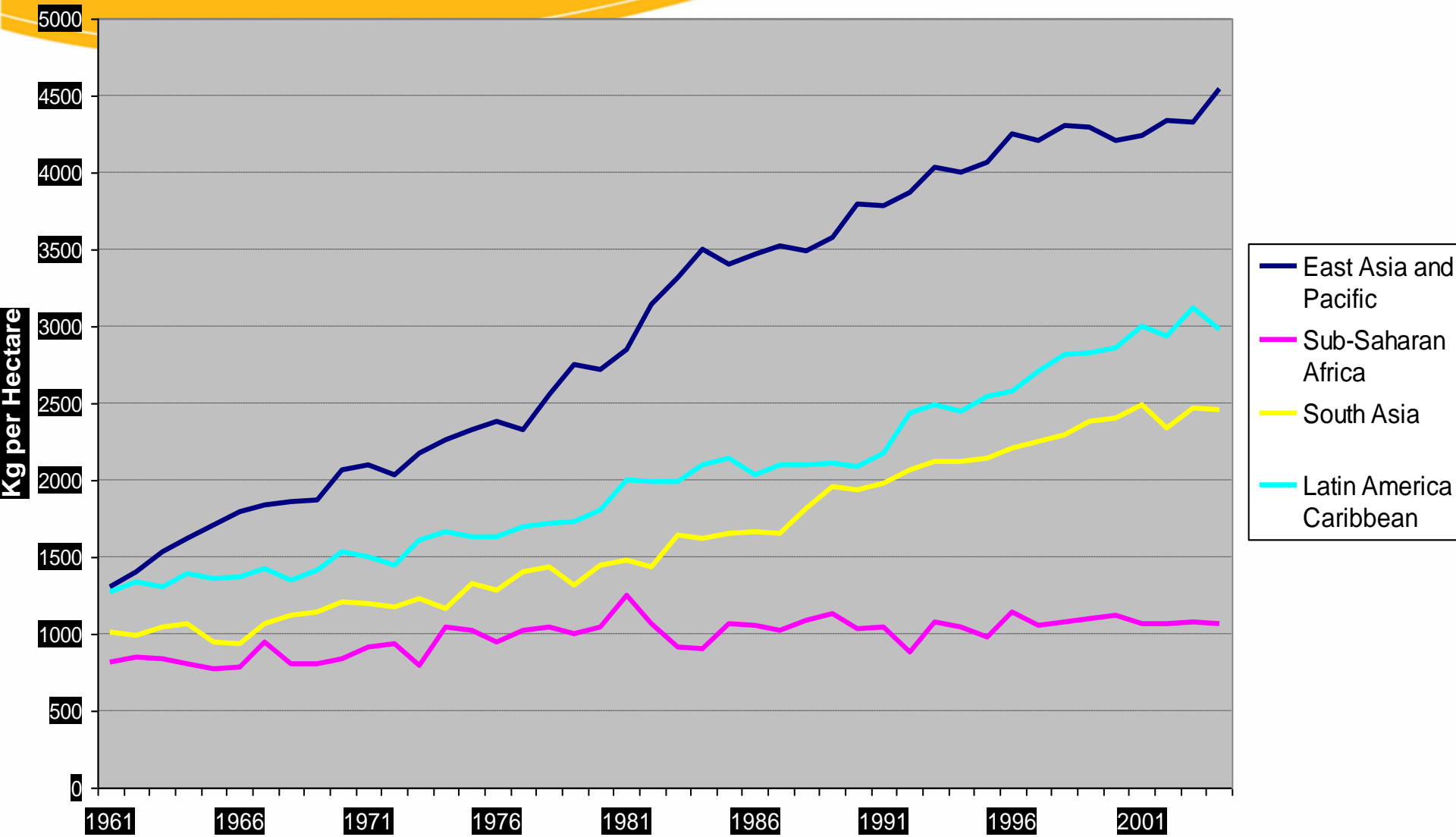
Evergreen Agriculture

Food crop farming using agroecological principles

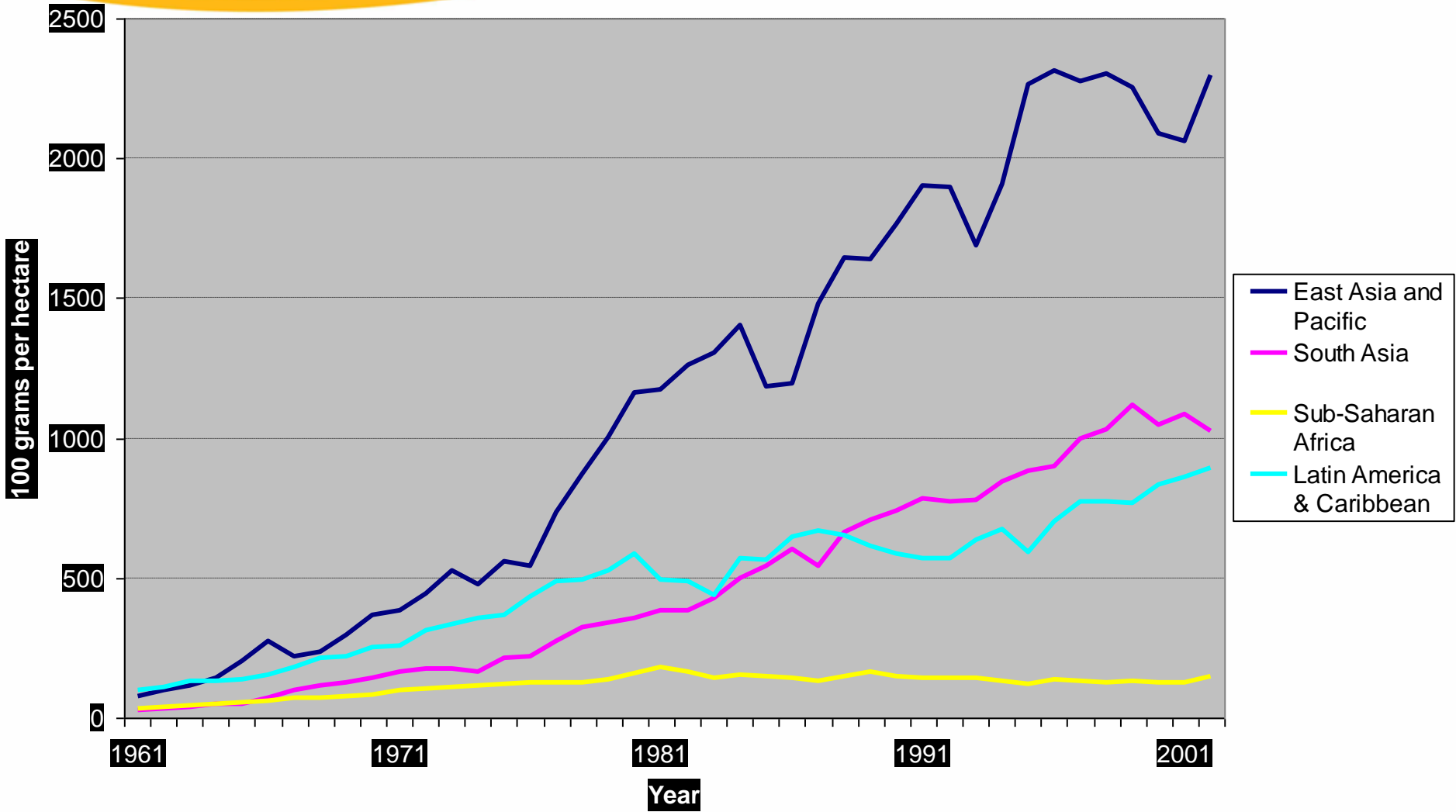
Tree crop farming with species diversity for higher and more stable incomes

Achieving food security and climate change adaptation through agroforestry-based conservation agriculture

Cereal Yields

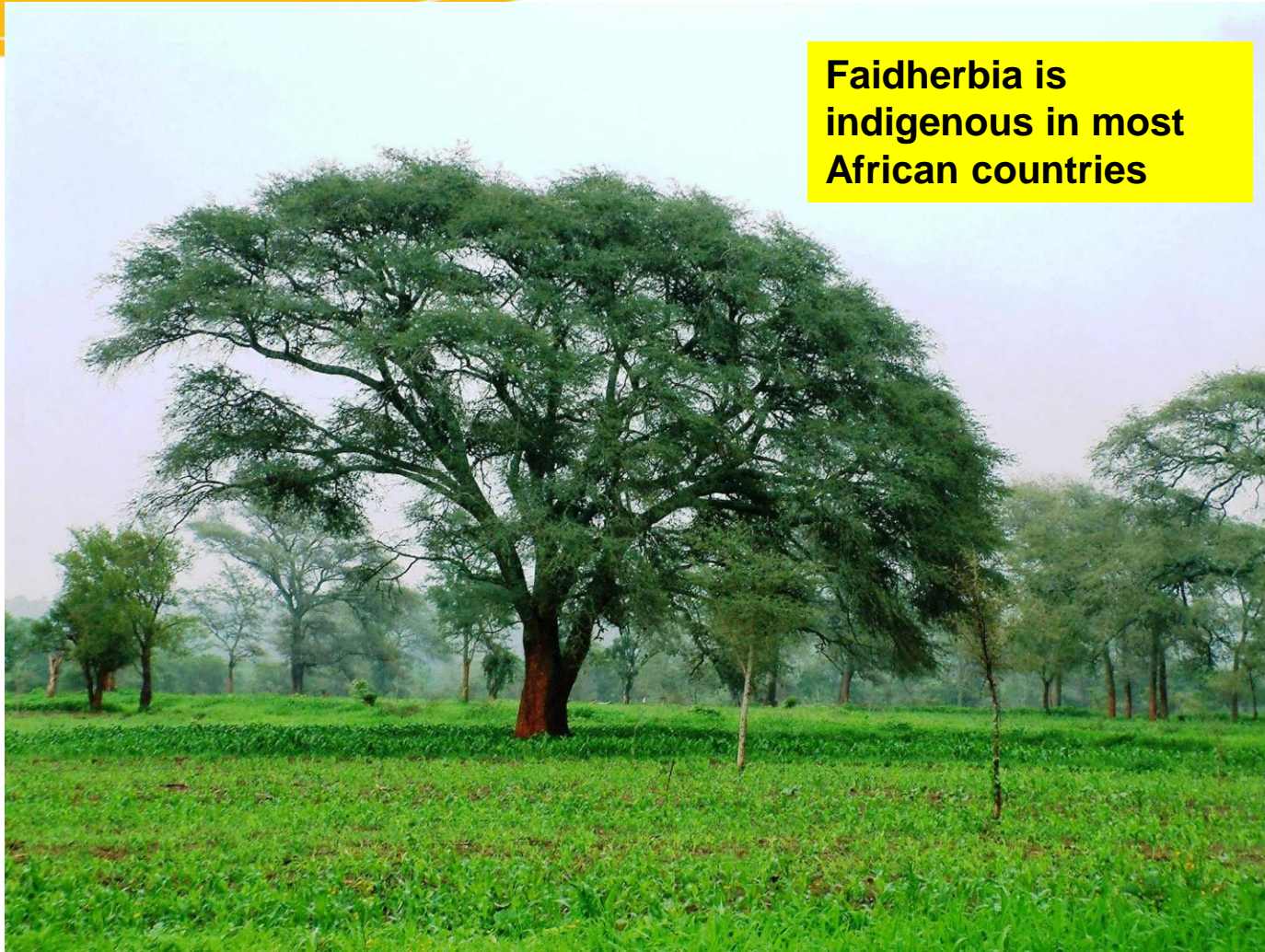


Fertilizer



Conservation Agriculture *with Faidherbia albida*

Faidherbia is indigenous in most African countries



60 years of research shows on each hectare, mature trees supply the equivalent of 300kg of complete fertiliser and 250kg of lime. This can sustain a maize yield of 4 tons/ha.



Maize farming in an agroforest of *Faidherbia albida*, Tanzania



***Faidherbia* trees are intercropped with maize on ½ million farms in Malawi**

2. Conservation and Rehabilitation of Natural Resources

- Agroforestry for climate change adaptation and mitigation
- Water and watershed services
- Biodiversity conservation

Agroforestry for a Multi Functional Agriculture



The Future Potential of Agroforestry

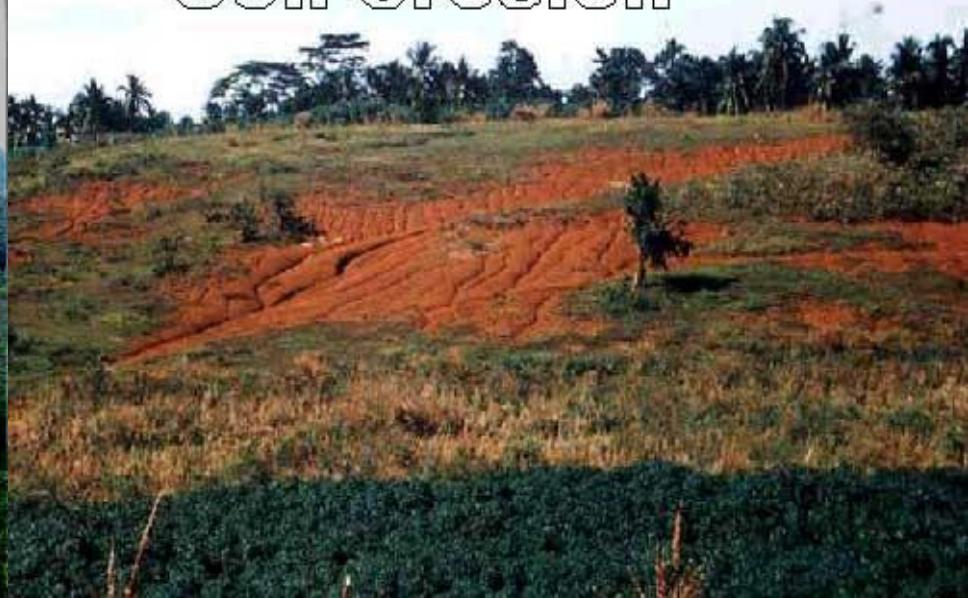
*Dennis Garrity
Director General
World Agroforestry Centre*

**Agroforestry Symposium
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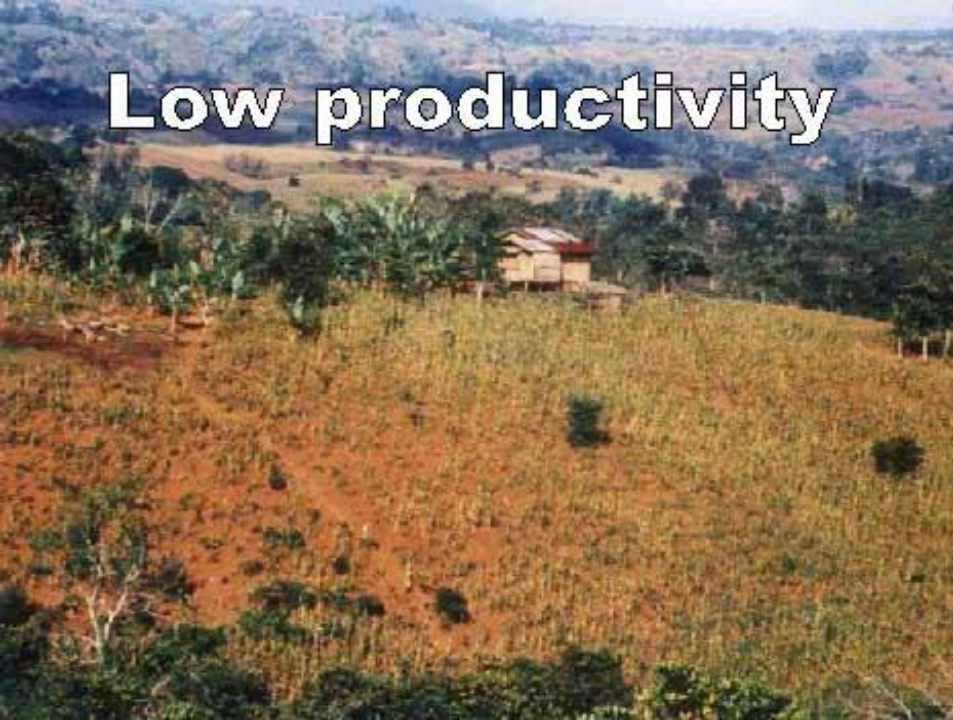
Deforestation



Soil erosion



Low productivity



Siltation



Agroforestry Policy Challenges

The Global Agroforestry Policy Initiative





Interlinked Objectives

**(1) Food security through increased productivity
(focus on smallholder systems)**

**(2) Agriculture adaptation framework (adaptation to
climate change)**

**(3) Soil and above ground carbon (bio-carbon) for
climate mitigation / land care**

Reducing Emissions from All Land Uses

Current focus (2005 – present)

Reducing Emissions from Deforestation and Forest Degradation (REDD)

The Future

**Reducing Emissions from All Land Uses --
Agriculture, Forestry and Land Use (AFoLU)**

Agroforestry now seen as at the 'heart' of the three environmental conventions

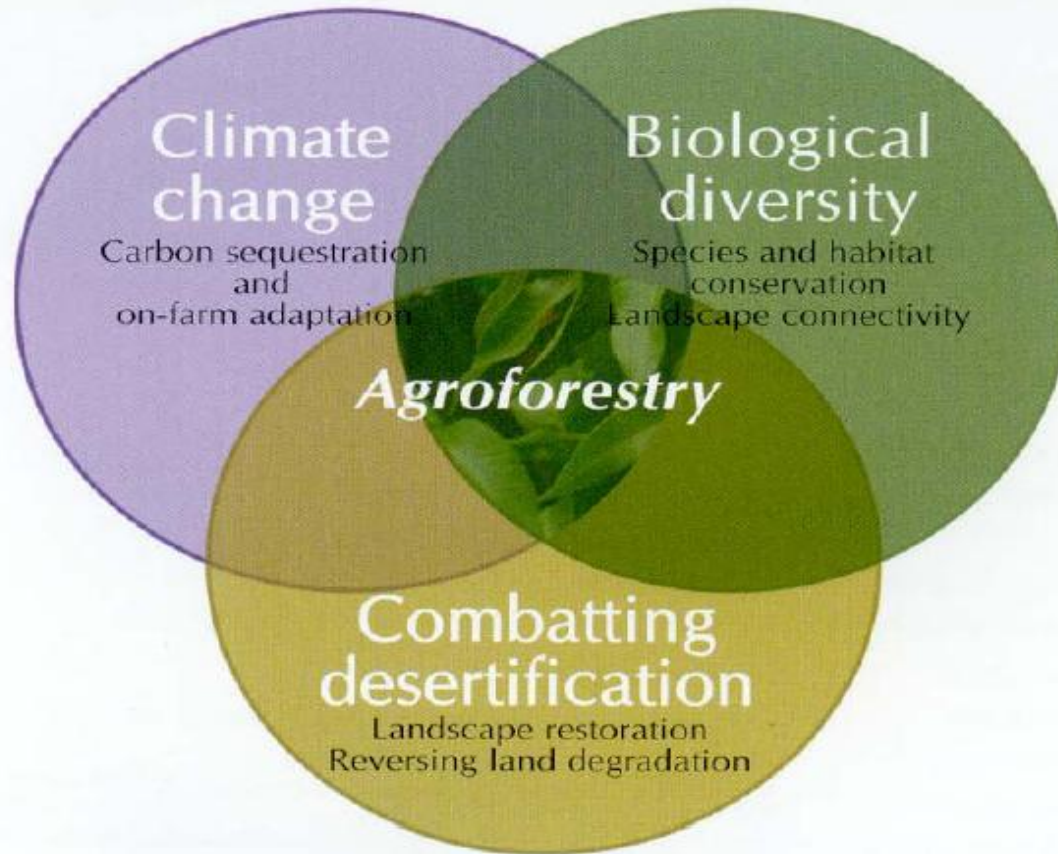


Figure 9: Agroforestry at the 'heart' of the three environmental conventions

