



DEFORESTATION & FOREST AREA CHANGE:

HISTORICAL TRENDS & UNDERLYING CAUSES

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1946

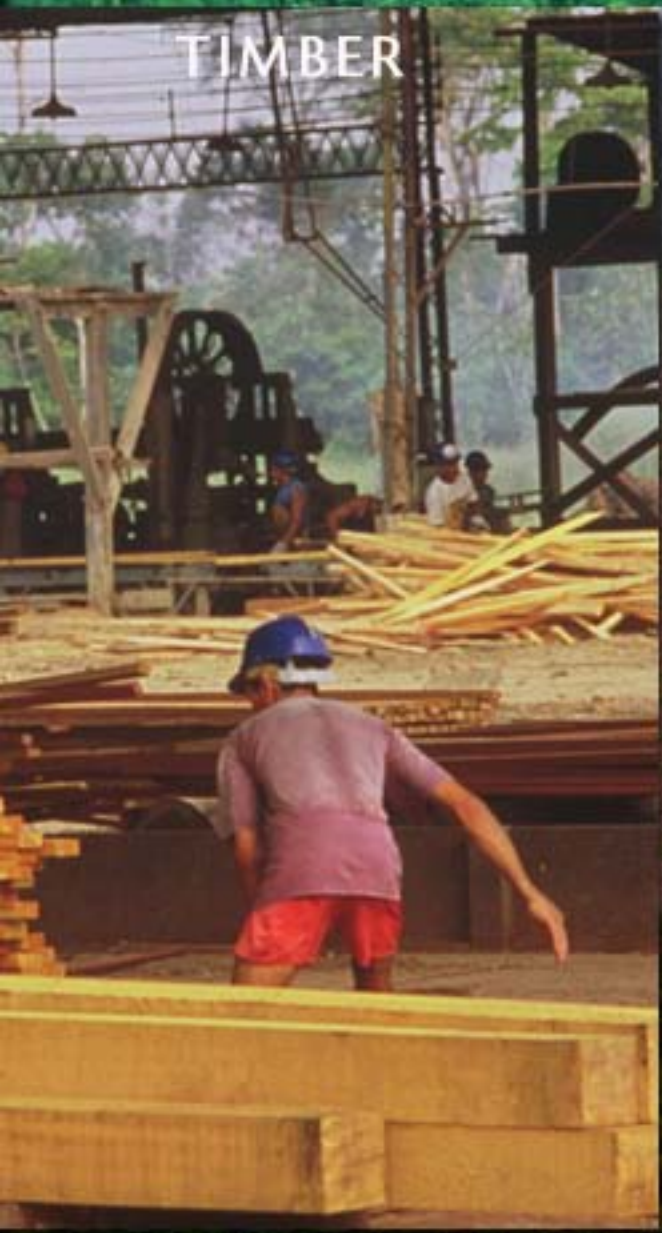
1980

2000

TIMBER

DEFORESTATION

CONSERVATION



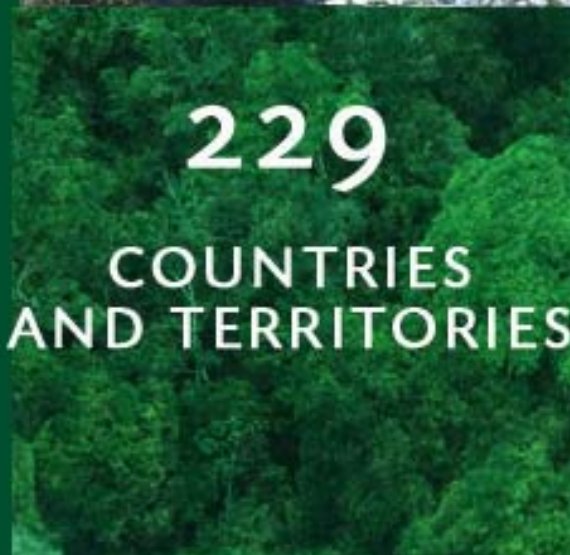
Global Forest Resources Assessment 2005

Progress towards sustainable forest management



Global Forest Resources Assessment 2005

Progress towards sustainable forest management

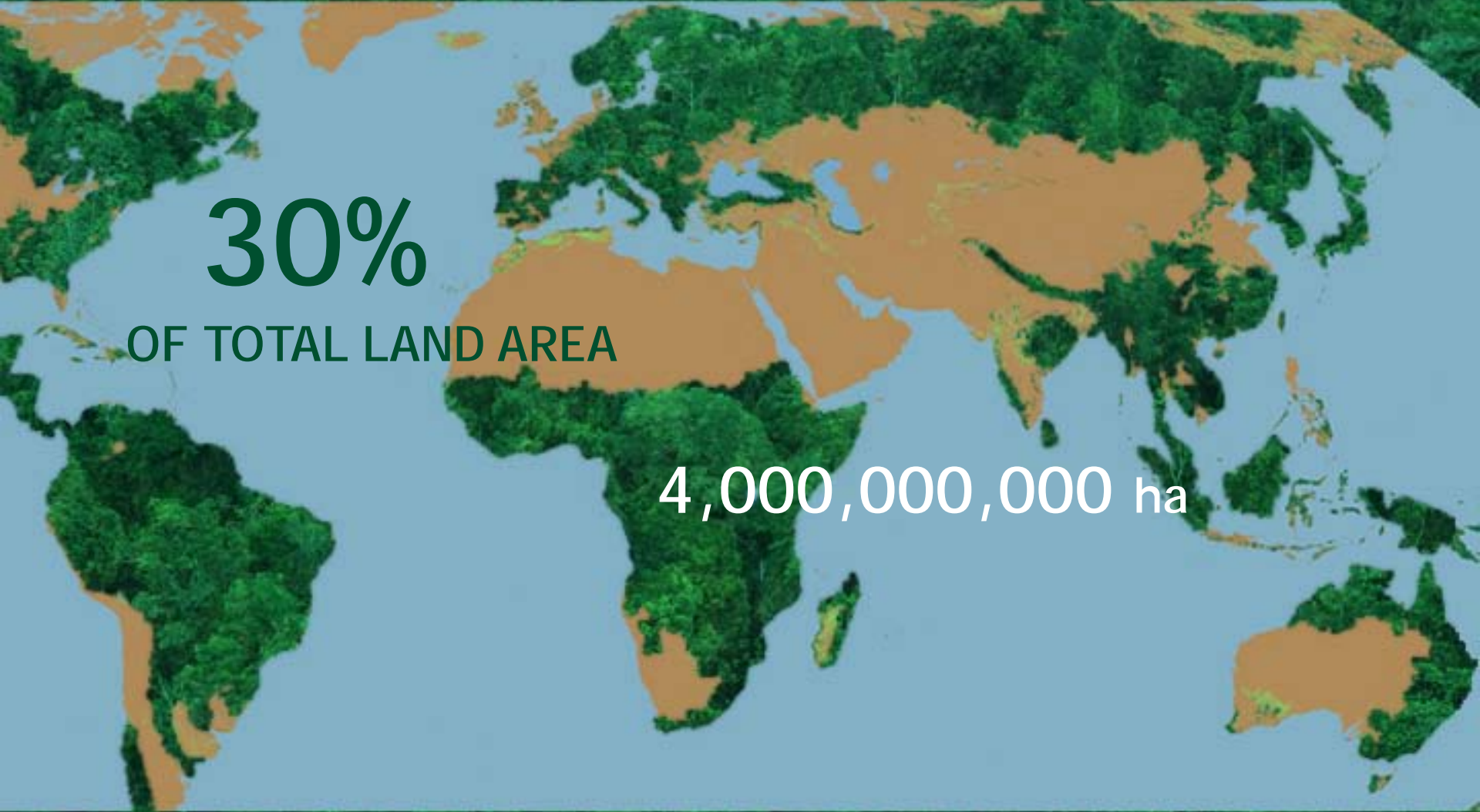


THE WORLD'S FORESTS

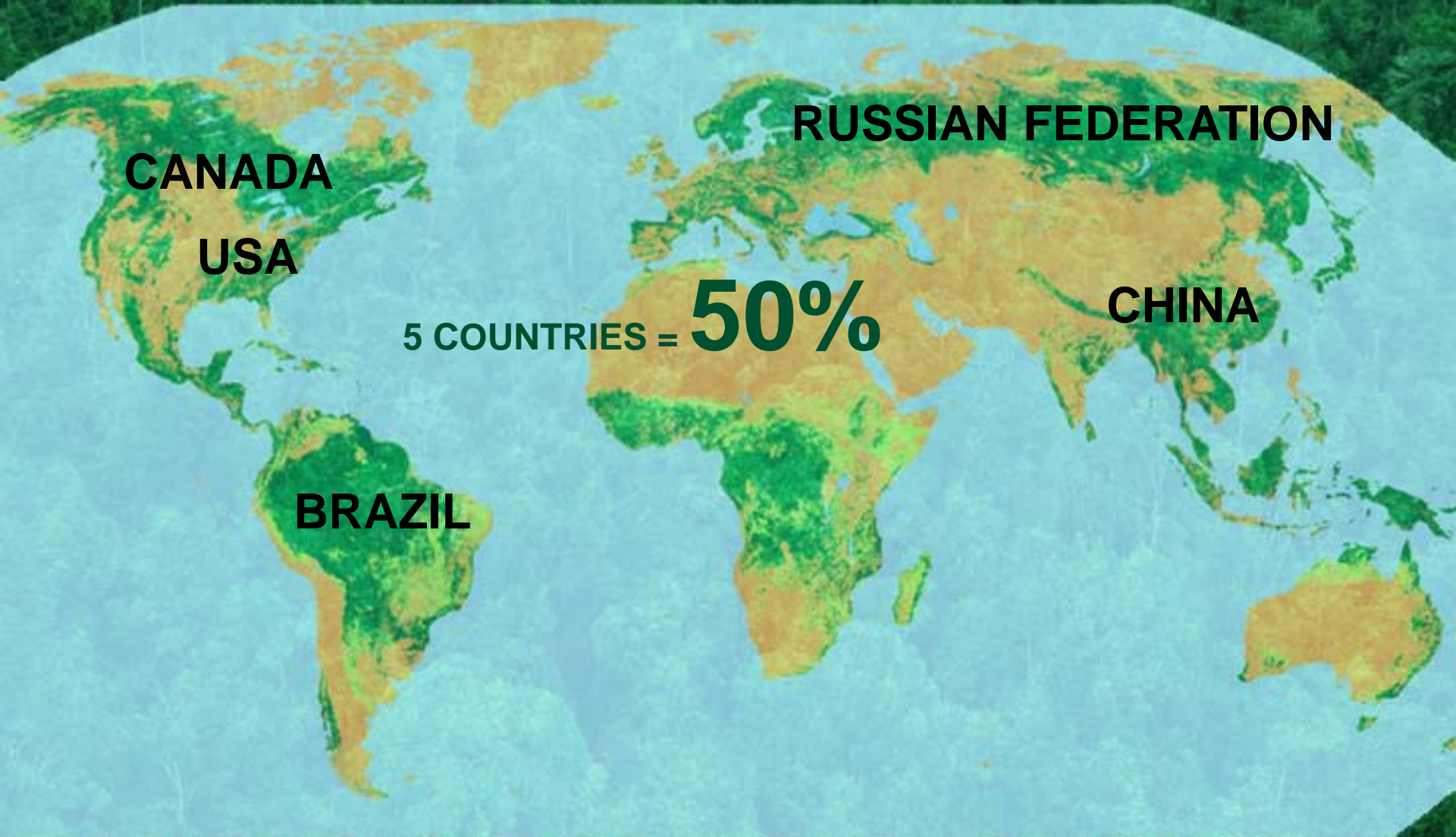
30%

OF TOTAL LAND AREA

4,000,000,000 ha



THE WORLD'S FORESTS



THE FORESTS OF ASIA & THE PACIFIC

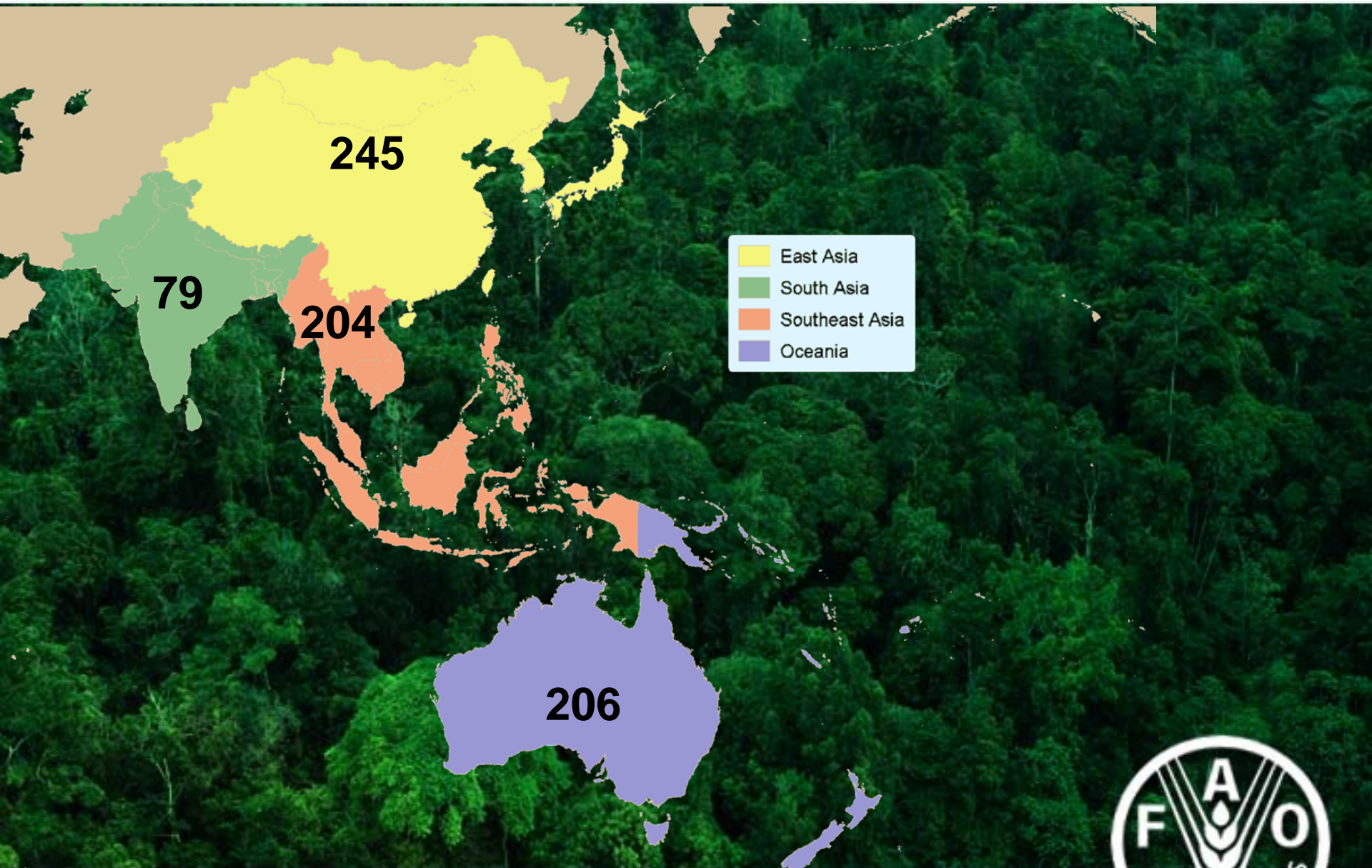


26%

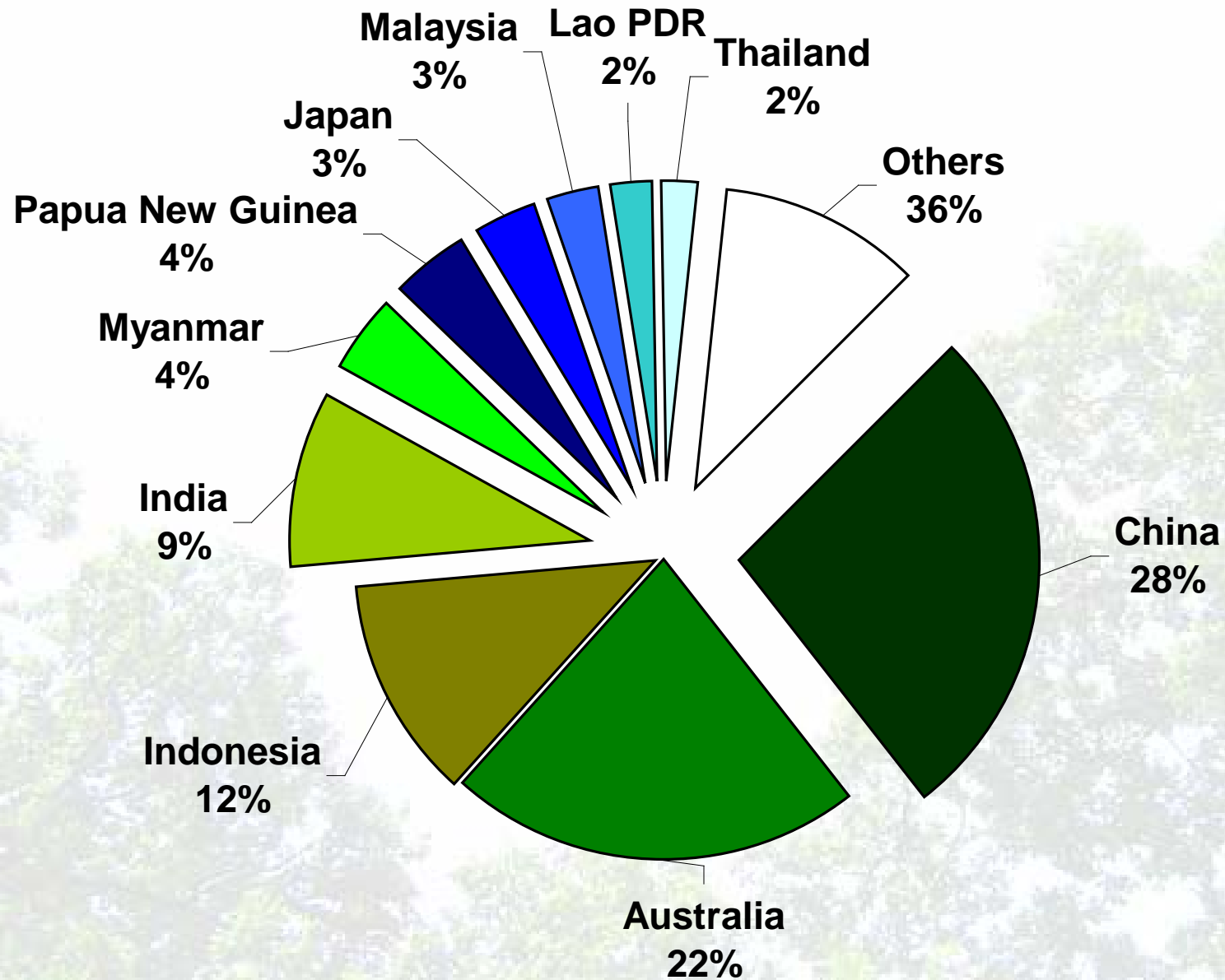
OF TOTAL LAND AREA

734,000,000 ha

FOREST AREA BY SUBREGION, 2005 (million ha)



FOREST AREA BY COUNTRY, 2005 (%)



CHANGE IN FOREST AREA 1990-2005

DEFORESTATION **13** million ha/yr

NET FOREST LOSS

1990-2000 **8.9** million ha/yr

2000-2005 **7.3** million ha/yr

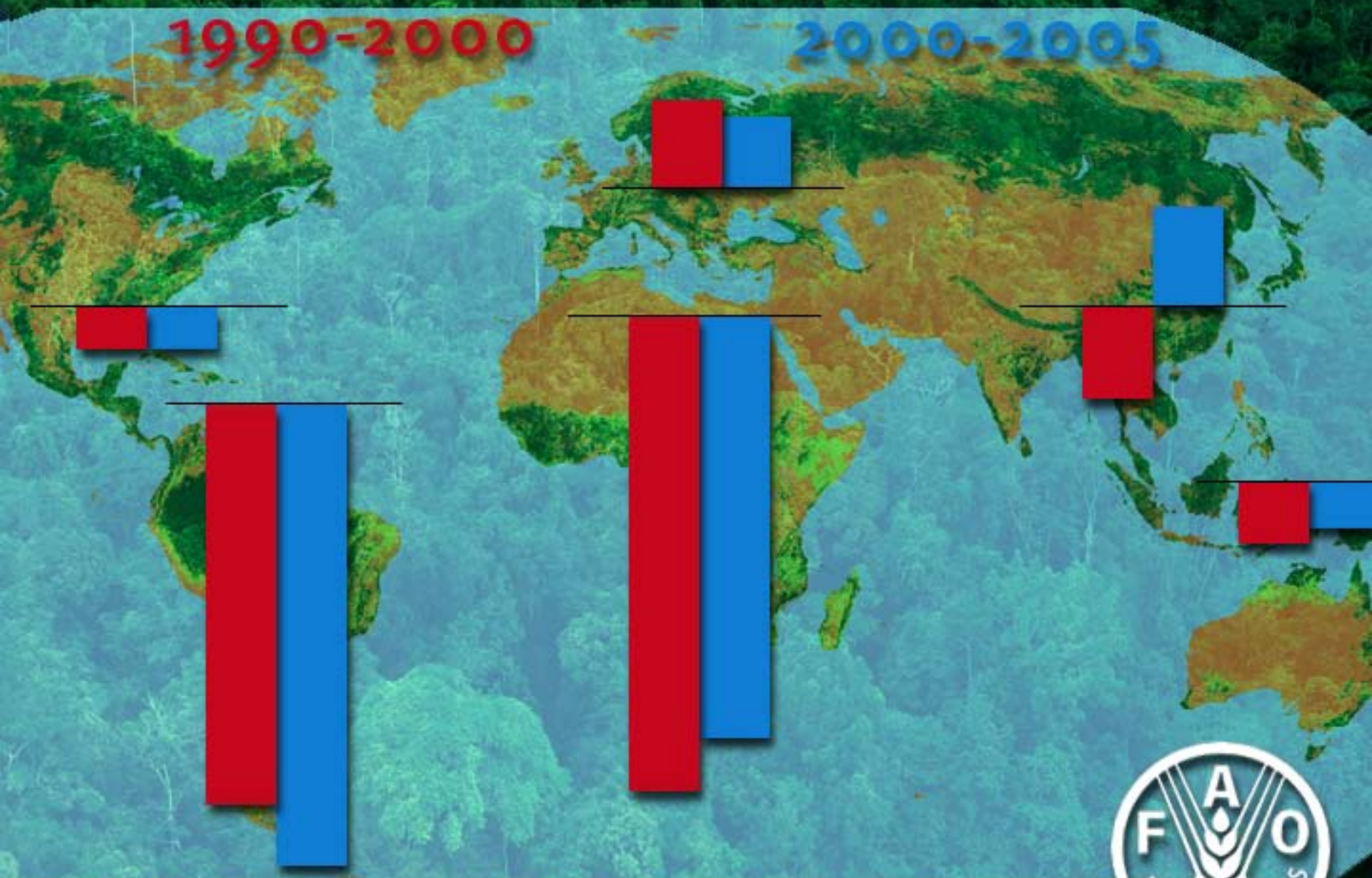
200 KM² PER DAY



ANNUAL NET CHANGE IN FOREST AREA

1990-2000

2000-2005

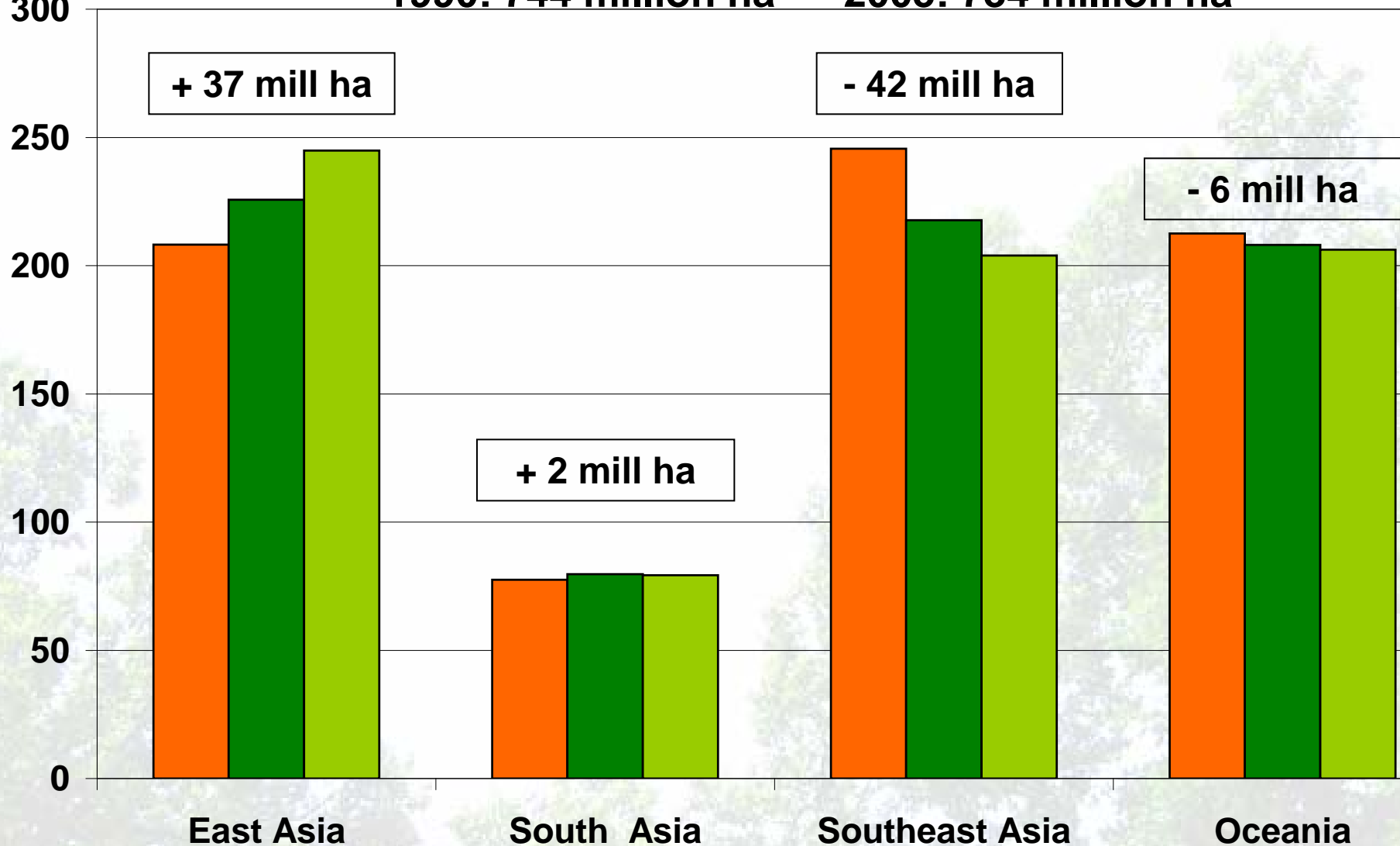


FOREST AREA CHANGES, 1990-2000-2005

(million ha)

1990: 744 million ha

2005: 734 million ha



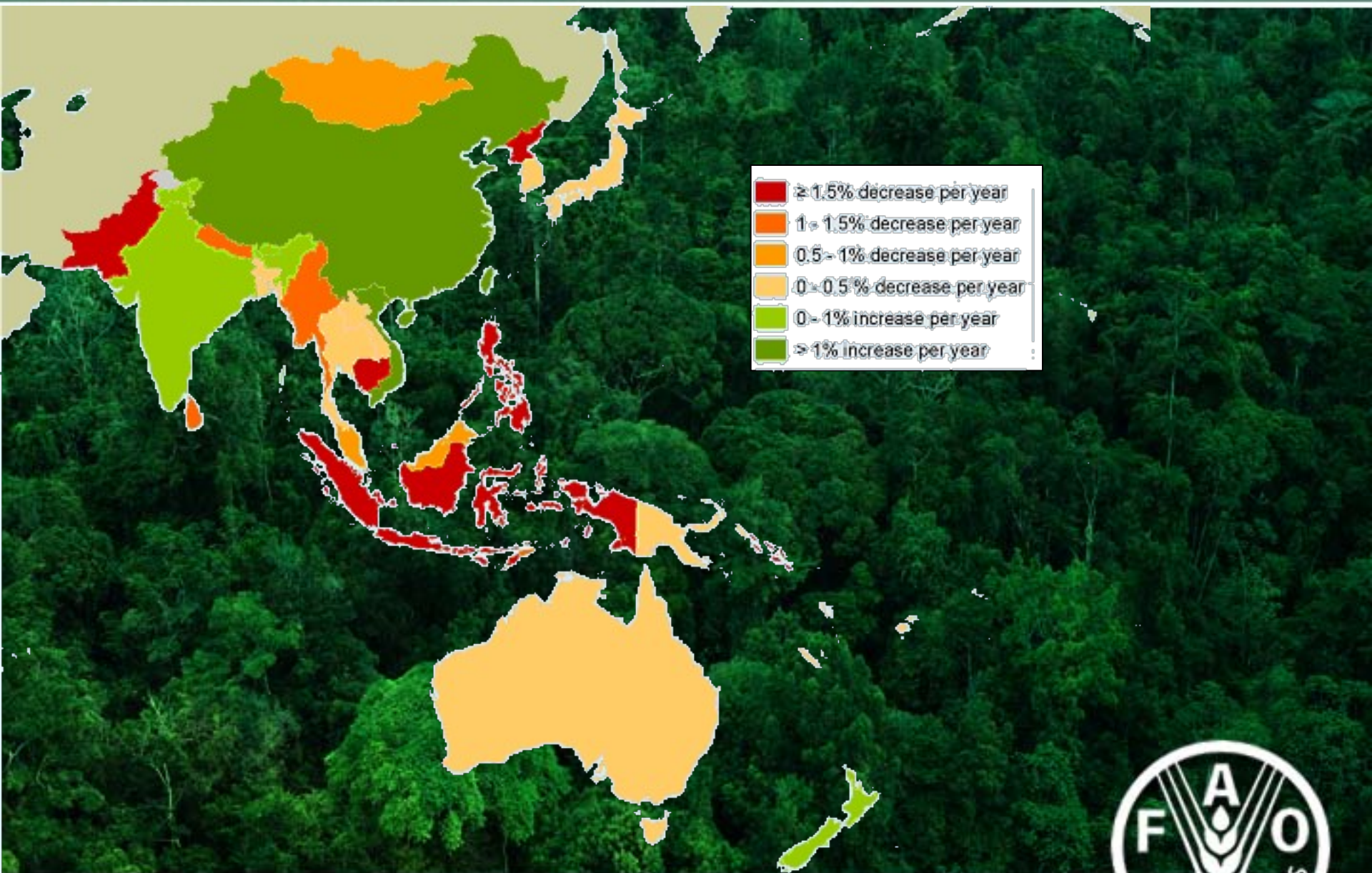
1990

2000

2005

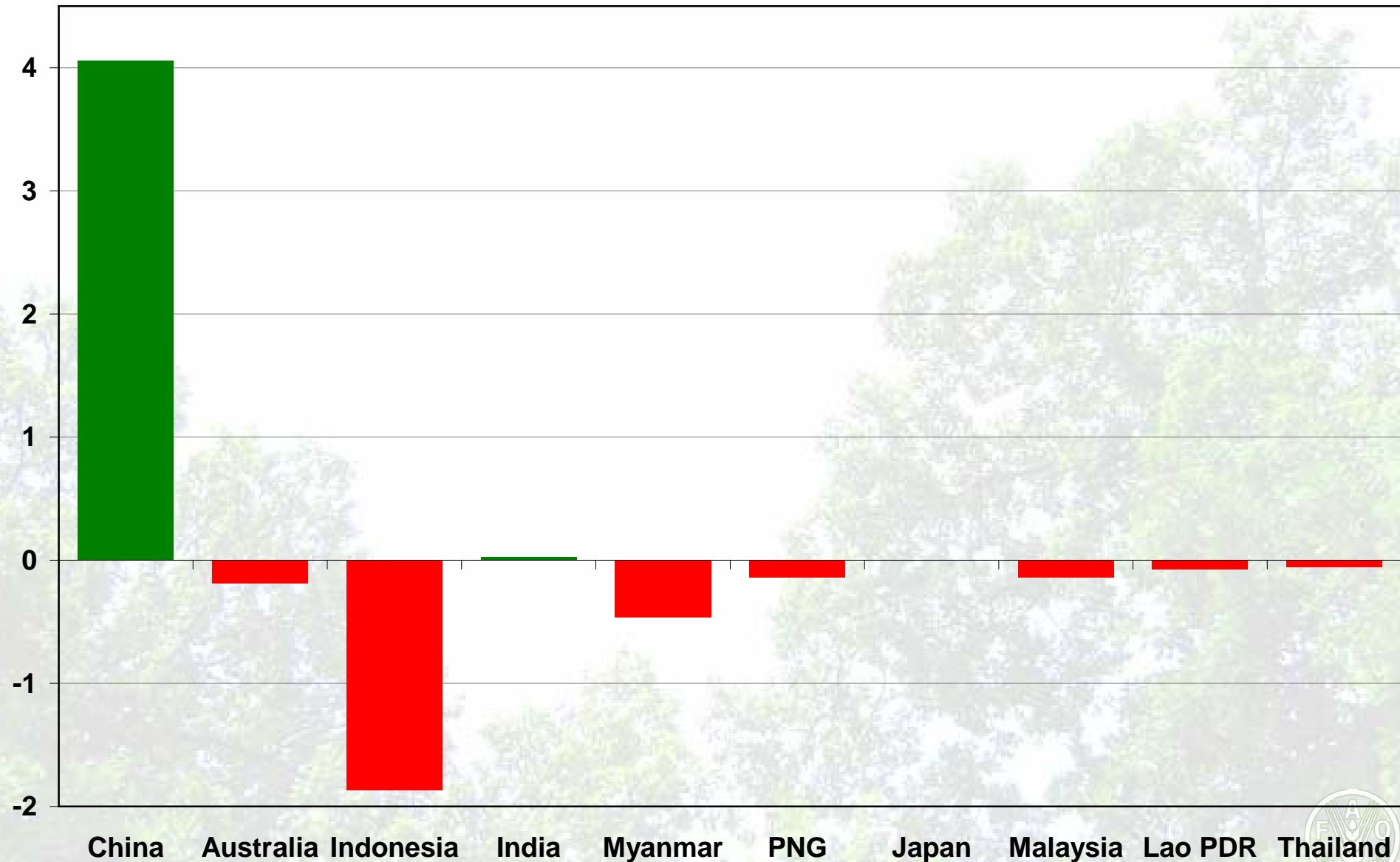


FOREST AREA CHANGES, 2000-2005



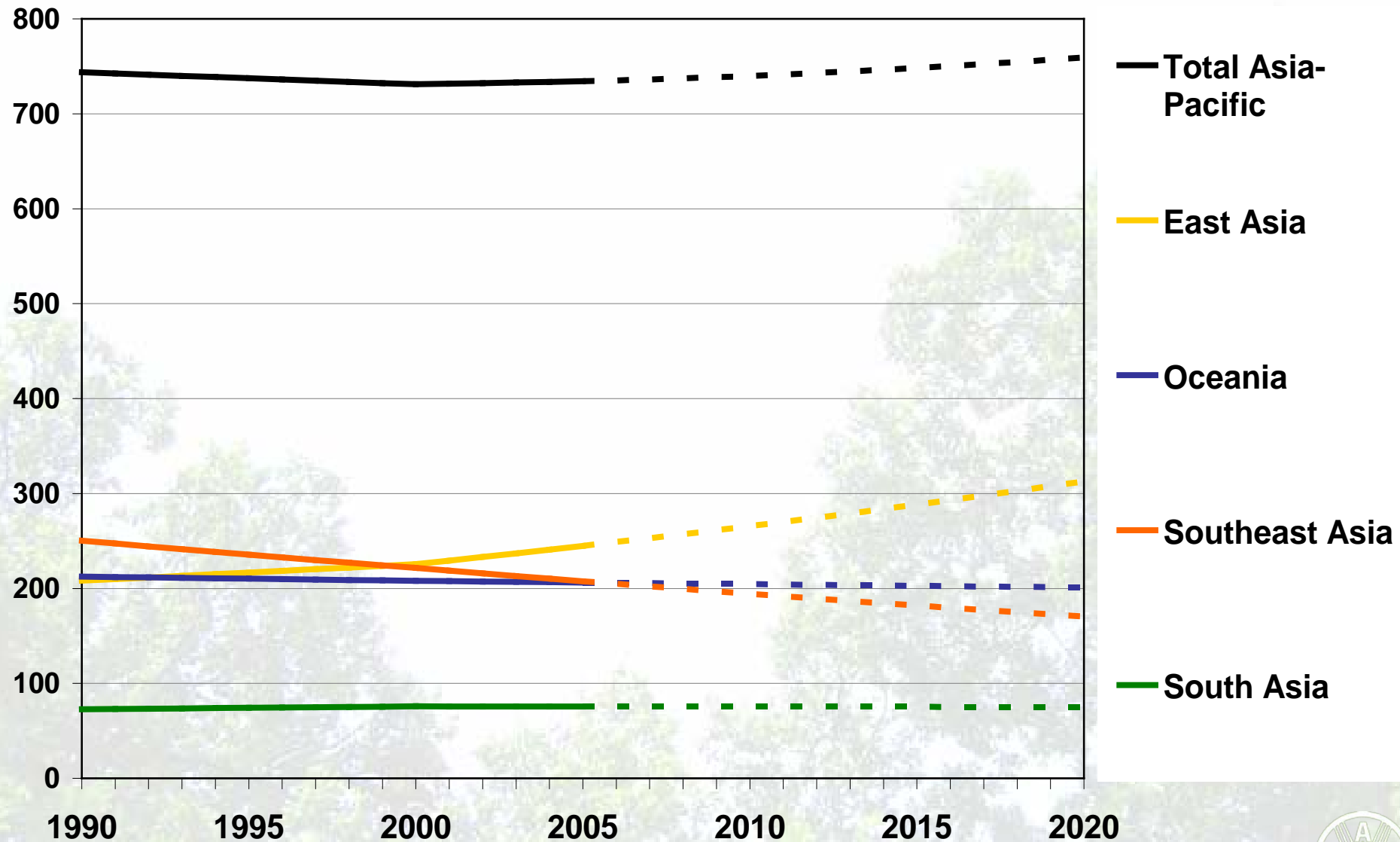
FOREST AREA CHANGES, TOP 10 COUNTRIES

million ha/yr (2000-2005)



FOREST AREA 2020, SCENARIO 1

million ha



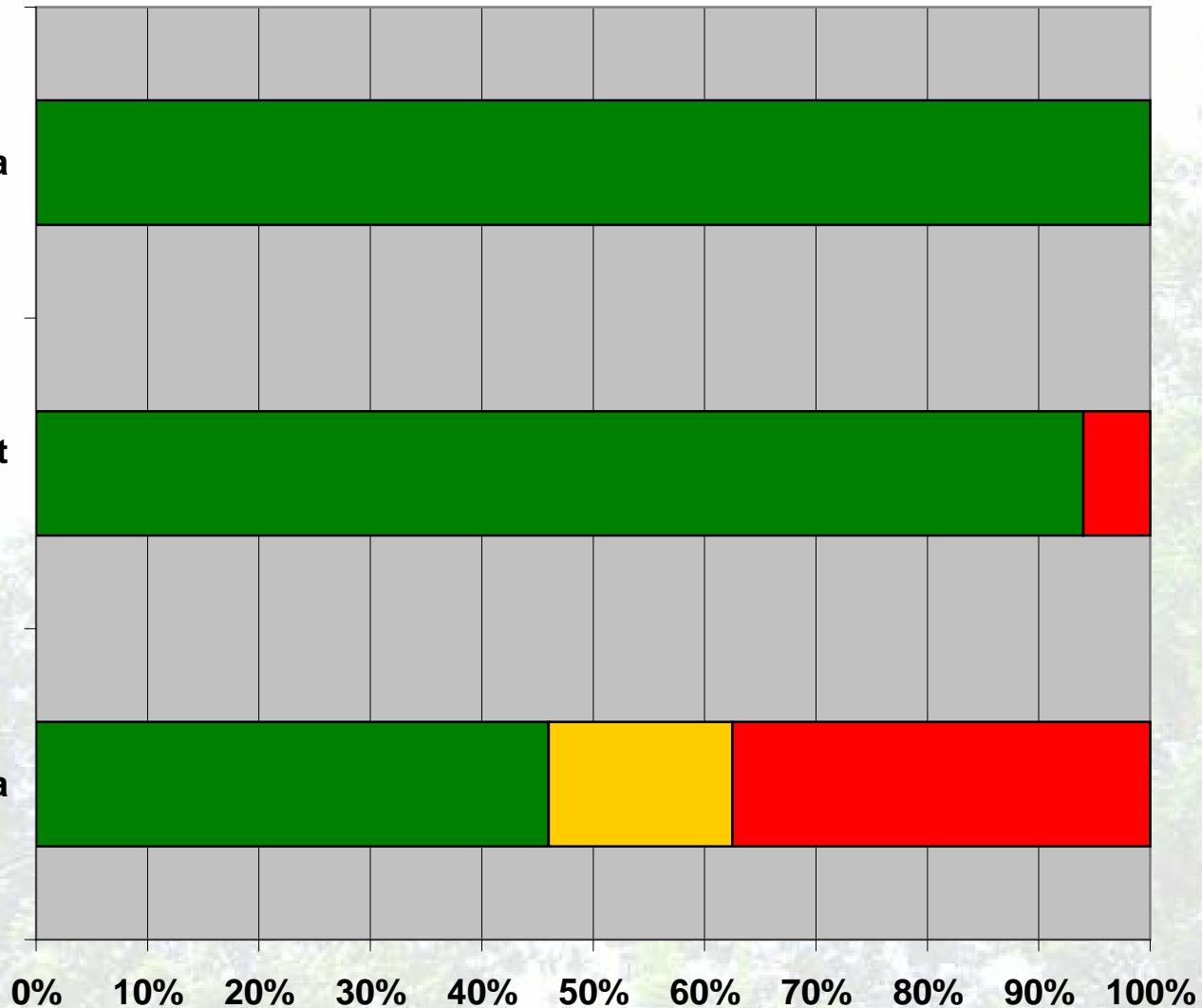
FOREST AREA DATA SOURCES

■ Forest inventory ■ Remote sensing ■ Expert estimate

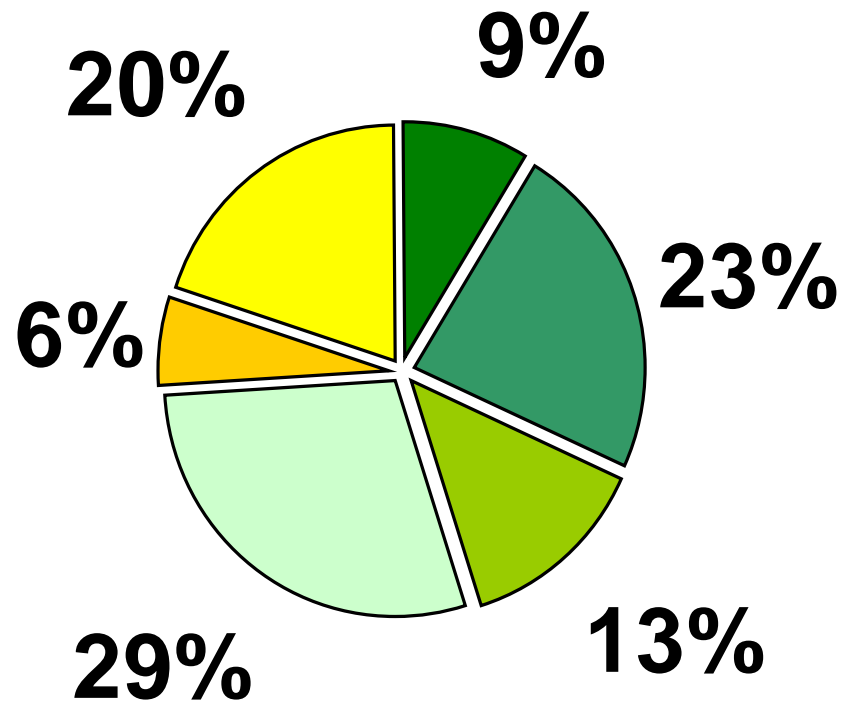
East Asia

South and Southeast Asia

Oceania



CAUSES OF FOREST AREA CHANGE 1990-2000



- Expansion of shifting cultivation into undisturbed forests
- Intensification of agriculture in shifting cultivation areas
- Direct conversion of forest area to small-scale permanent agriculture
- Direct conversion of forest area to large-scale permanent agriculture
- Gains in forest area and canopy cover
- Other

DRIVERS OF FOREST AREA CHANGE

POPULATION PRESSURE

PROSPERITY

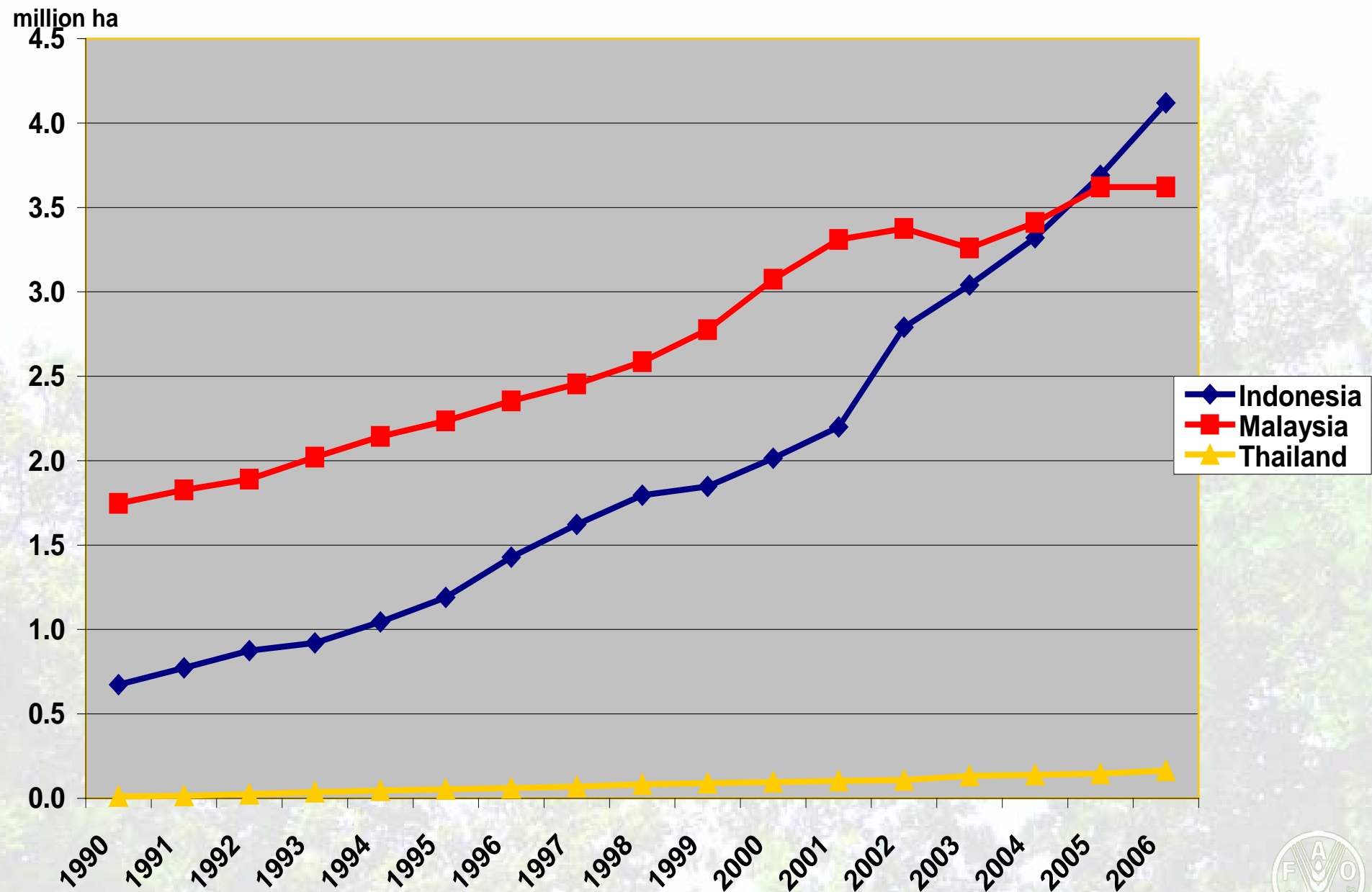
PROFITS

PRODUCTIVITY

POLICIES & POLITICS



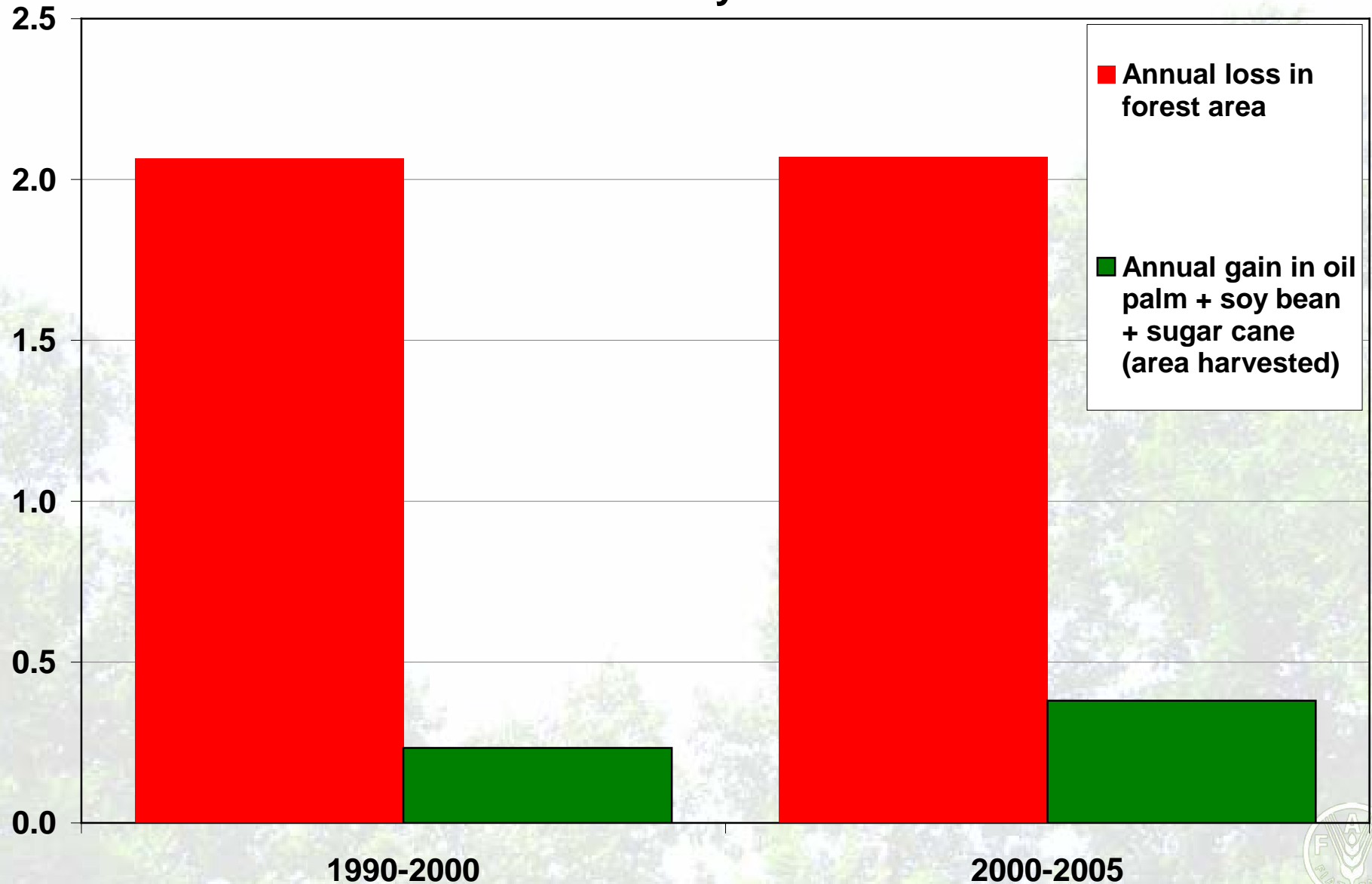
OIL PALM PRODUCTION (Harvested area)



FORESTS, OIL PALMS, SOY BEANS & SUGAR CANE

million ha/yr

Indonesia + Malaysia + Thailand



FOREST AREA TARGETS (Examples)

CHINA: 23% FOREST COVER BY 2020

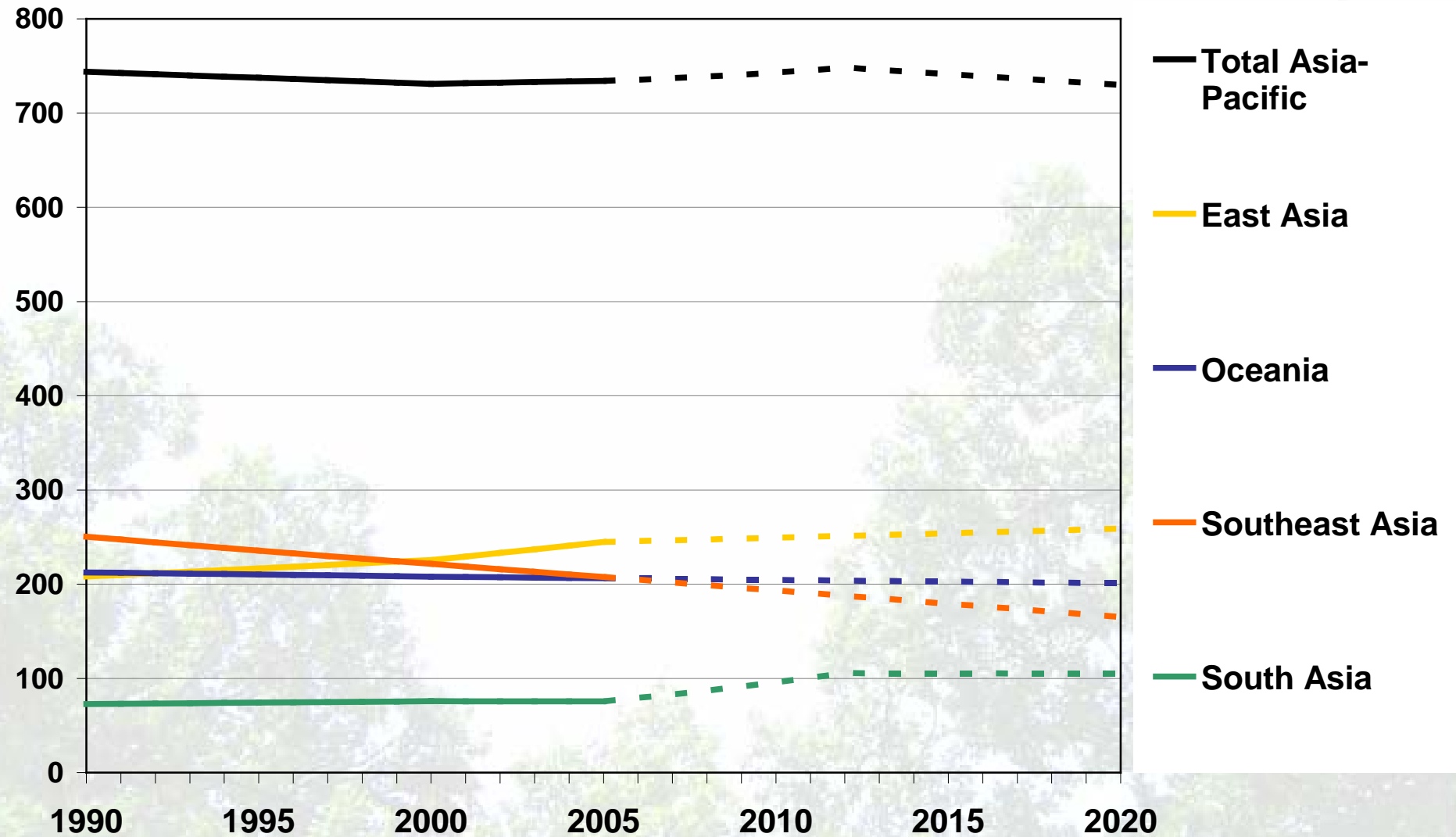
INDIA: 33% FOREST COVER BY 2012

VIETNAM: 43% FOREST COVER BY 2010



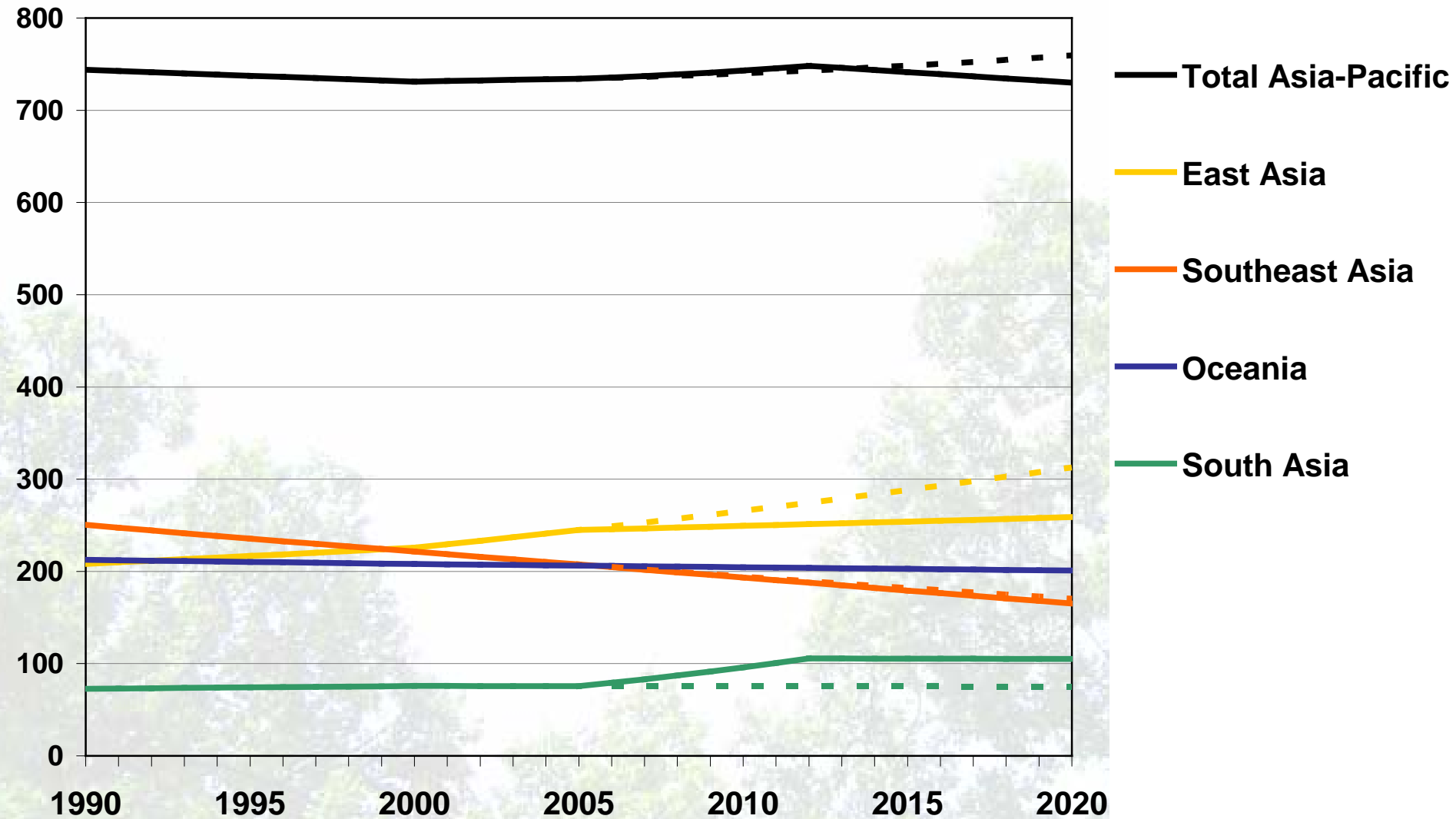
FOREST AREA 2020, SCENARIO 2

million ha

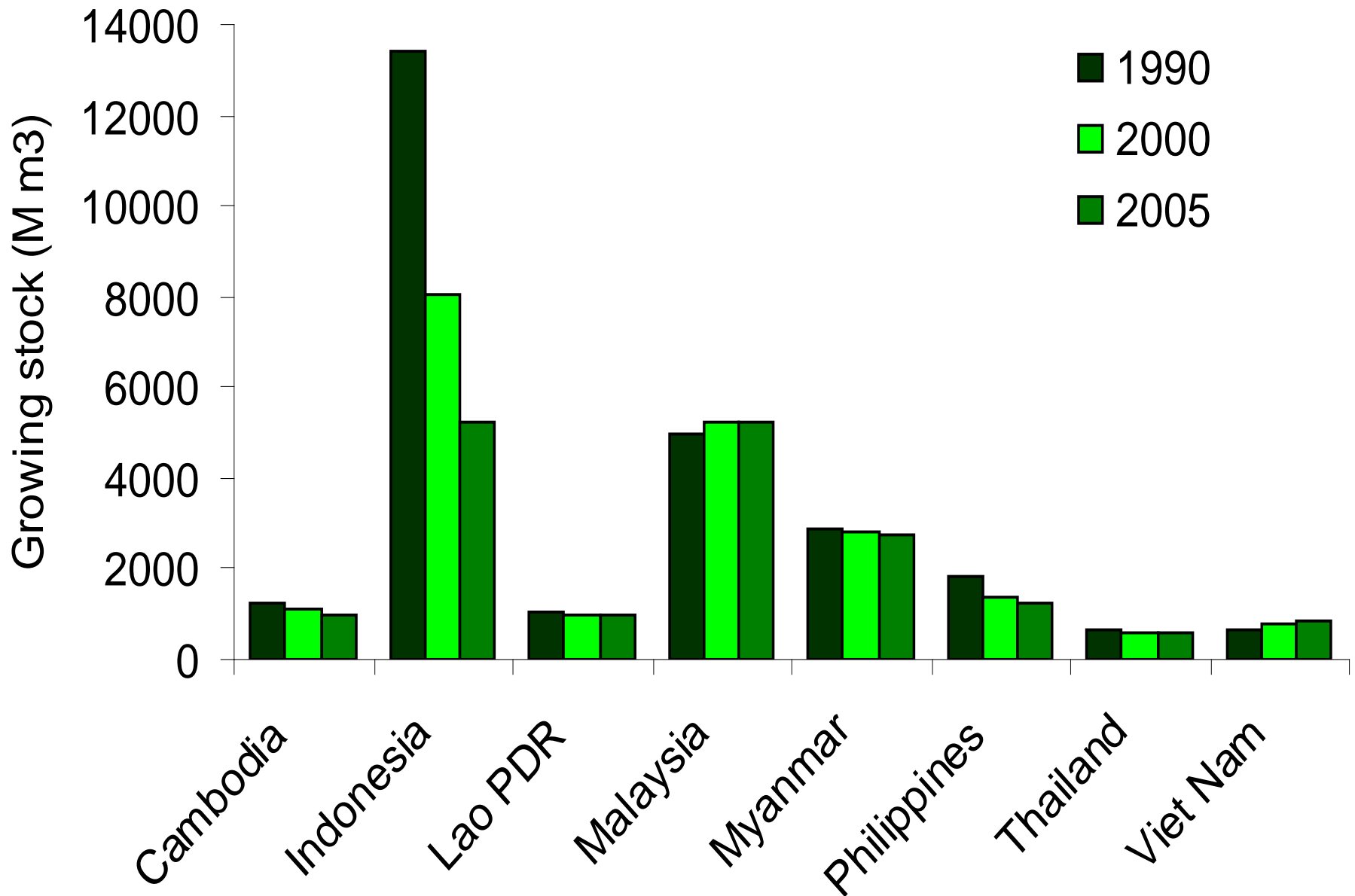


FOREST AREA 2020, SCENARIO 1 & 2

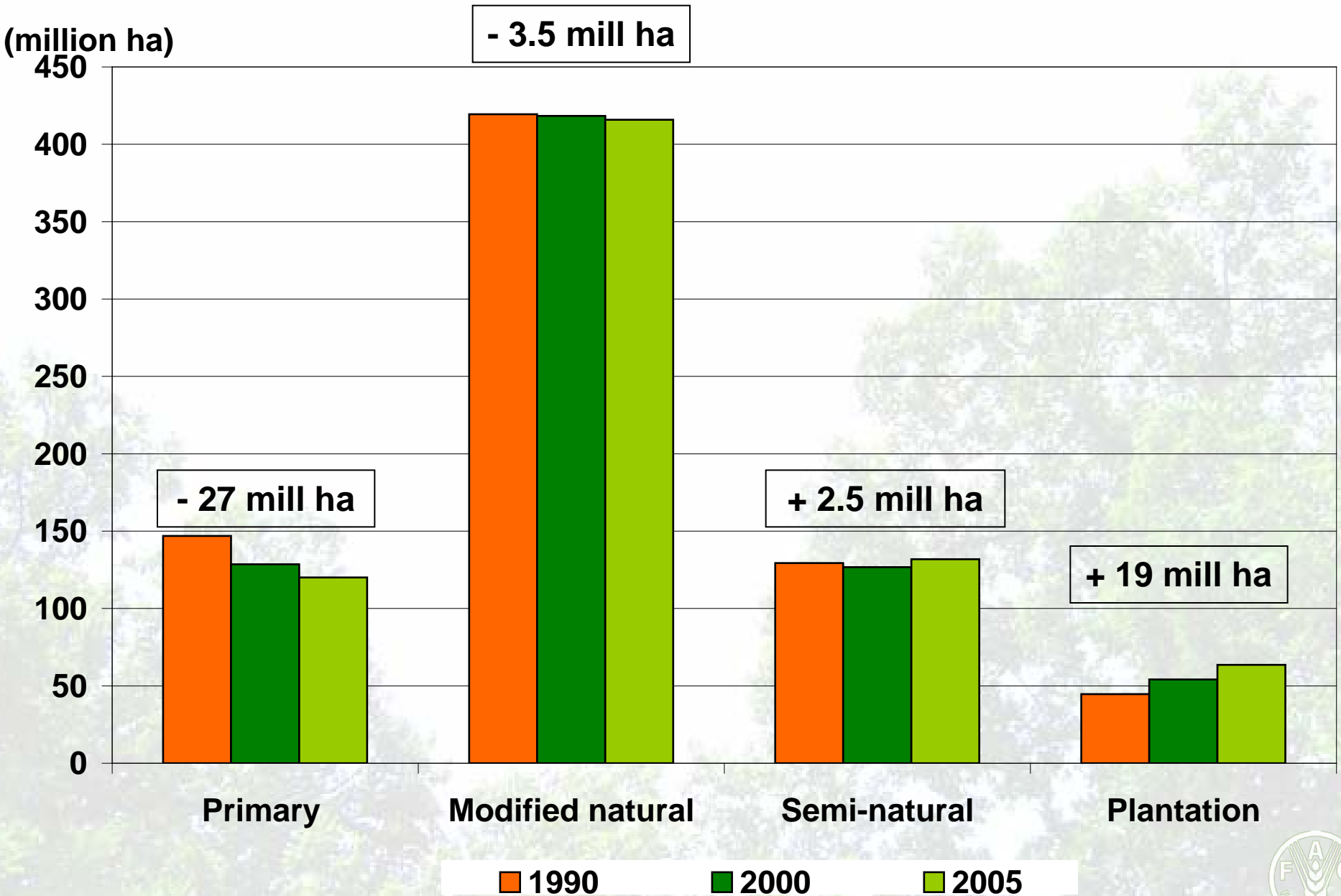
million ha



GROWING STOCK SINCE 1990



CHANGES IN FOREST CHARACTERISTICS



CONCLUSIONS

FOREST AREA 2020 ~ FOREST AREA 1990,
BUT LARGE VARIATION BETWEEN COUNTRIES

FOREST COMPOSITION 2020: DRAMATIC
CHANGES

DATA AVAILABILITY AND QUALITY ON
DEFORESTATION RATES ARE STILL POOR



THANK YOU !!!

www.fao.org/forestry/fra

