

Nearly 70% forested in Japan



Wooden Construction in Japan

Horyuji Temple: the oldest existing wooden architecture in the world

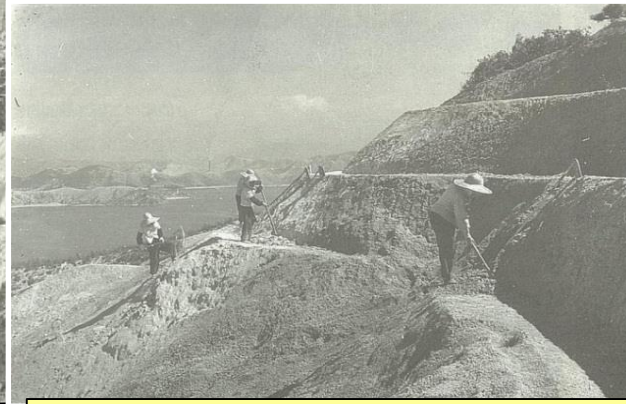


The Grand Shrine of Ise: Construction of a new shrine and transfer of the enshrined object from the old to the new, occurring at a regular, preordained time

History of Forest Restoration in Japan



Forest Degradation around 1950



Planting on terrace around 1960



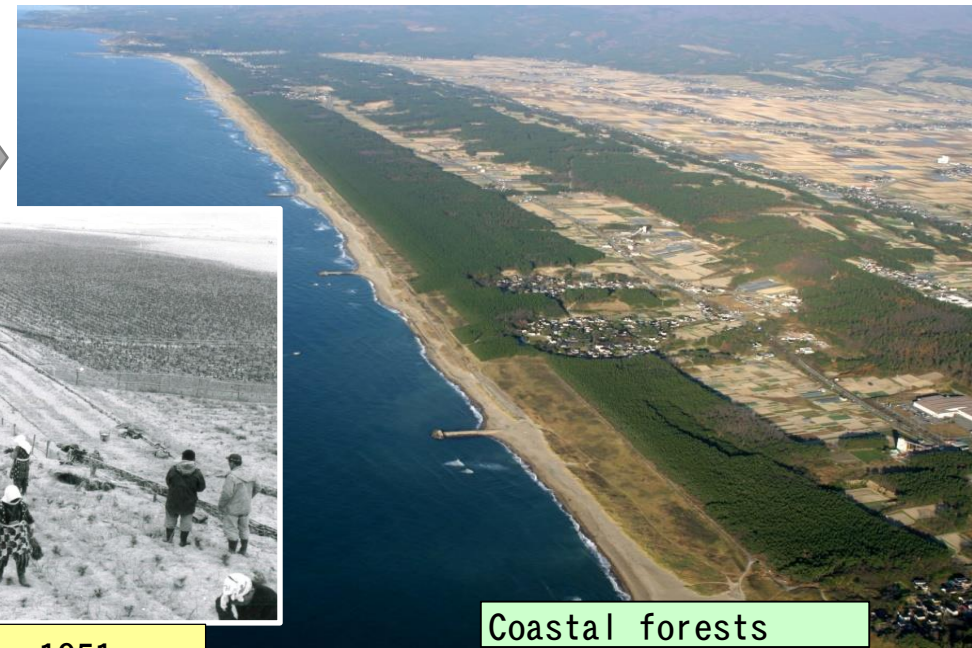
Reforested



Suffered from sandstorm along the coast around 1950



Planting in 1951

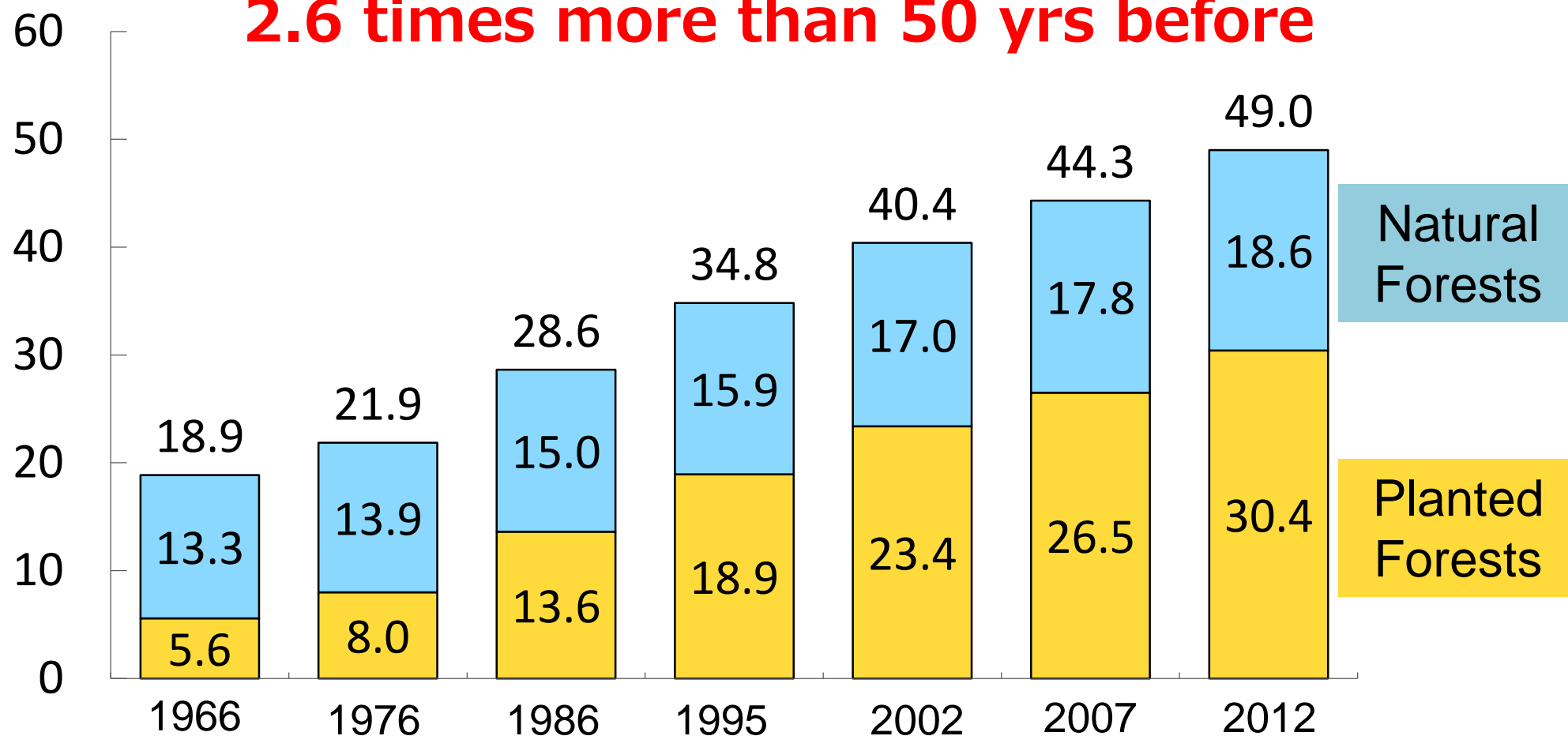


Coastal forests

Historical Trend of Forest Growing Stock in Japan

100 million cubic
meters

2.6 times more than 50 yrs before



Japan's Bilateral Cooperation on Forestry

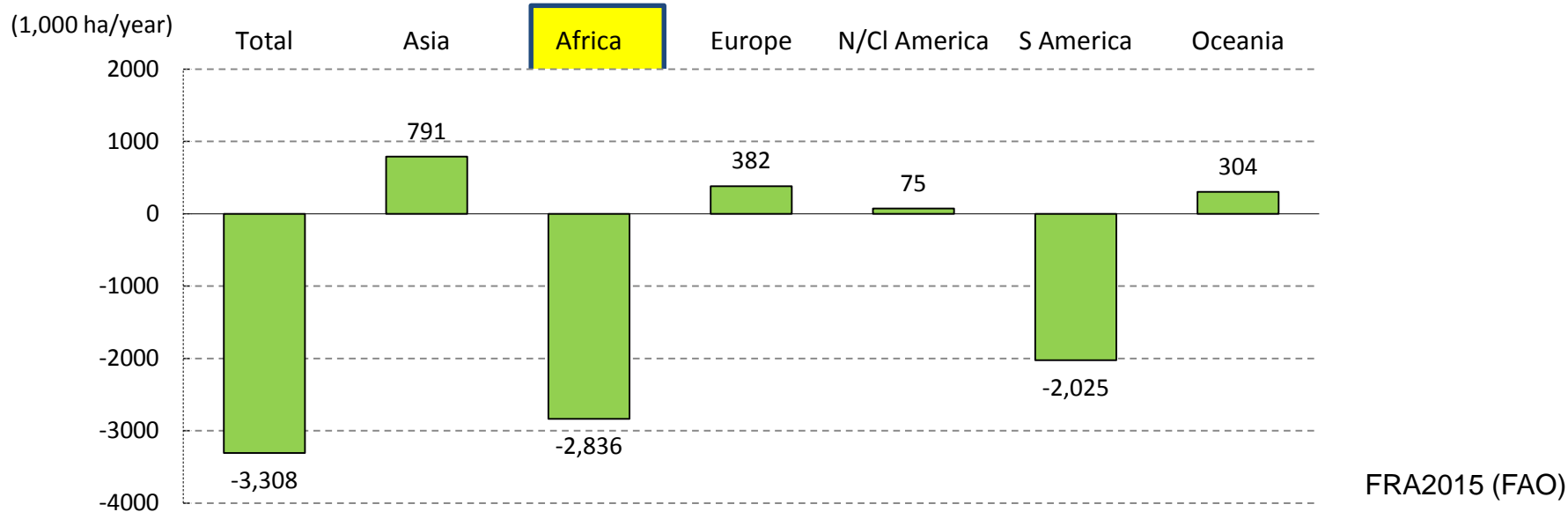
Kenya



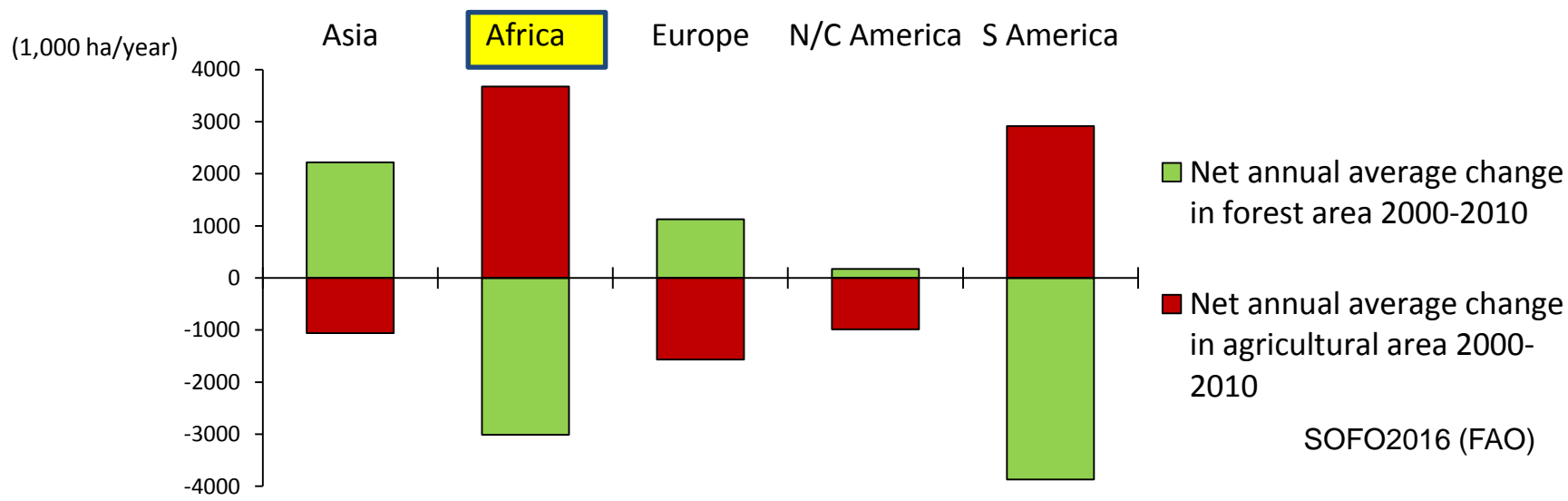
Malawi



Net Forest Cover Change by Regions, 2010-2015



Net annual average change in agricultural and forest area by regions, 2000-2010



The Future of Wood-Based Energy

Business-as-usual

Selective one-off cutting of live hard wood species, leading to degradation & biodiversity loss



Earth Kiln – efficiency $\pm 10\%$ low capital, skills required, done on site



Open fire or inefficient stoves, causing indoor air pollutions



Sustainable charcoal

Sustainable harvest of wood on farm ex. agroforestry, reducing pressures on forests



Efficient kilns– efficiency $\pm 30\%$ but capital intensive, need skills, immobile



Improved stoves, save up to 10-60% biomass, cleaner combustion



A white Toyota pickup truck is parked on a dry, sandy ground in a savanna-like environment. A large, spreading acacia tree stands prominently in the background. Two people are visible near the truck: one standing by the open driver's side door and another further back near the base of the tree. The text "See you in Future TICAD meetings for the advancement of Sustainable Forest Management in Africa !" is overlaid in a large, orange, bold font across the center of the image.

**See you in Future TICAD
meetings for the advancement
of Sustainable Forest
Management in Africa !**