

Global Warming and Forests

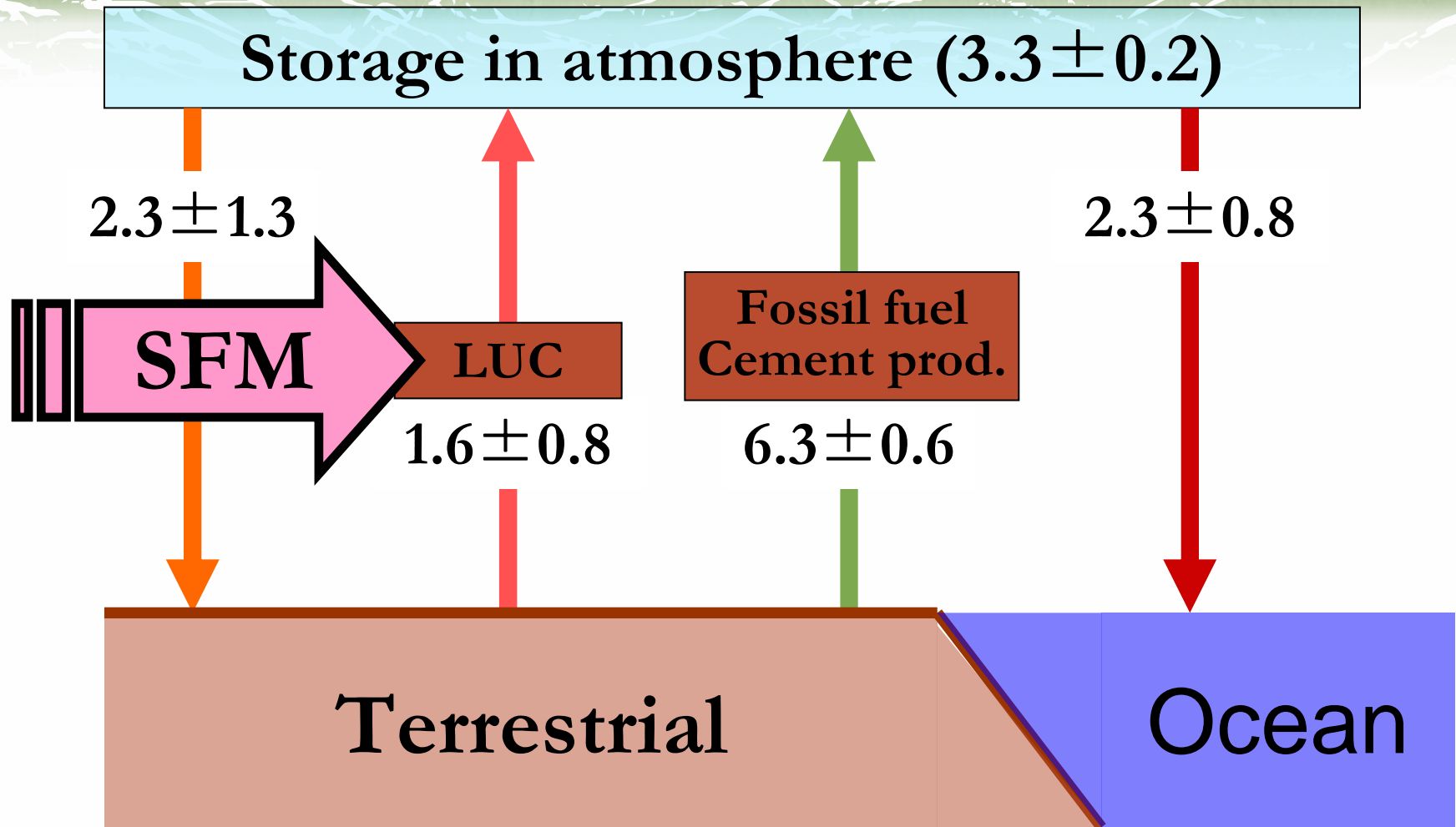
地球温暖化と森林

Masahiro Amano

天野正博

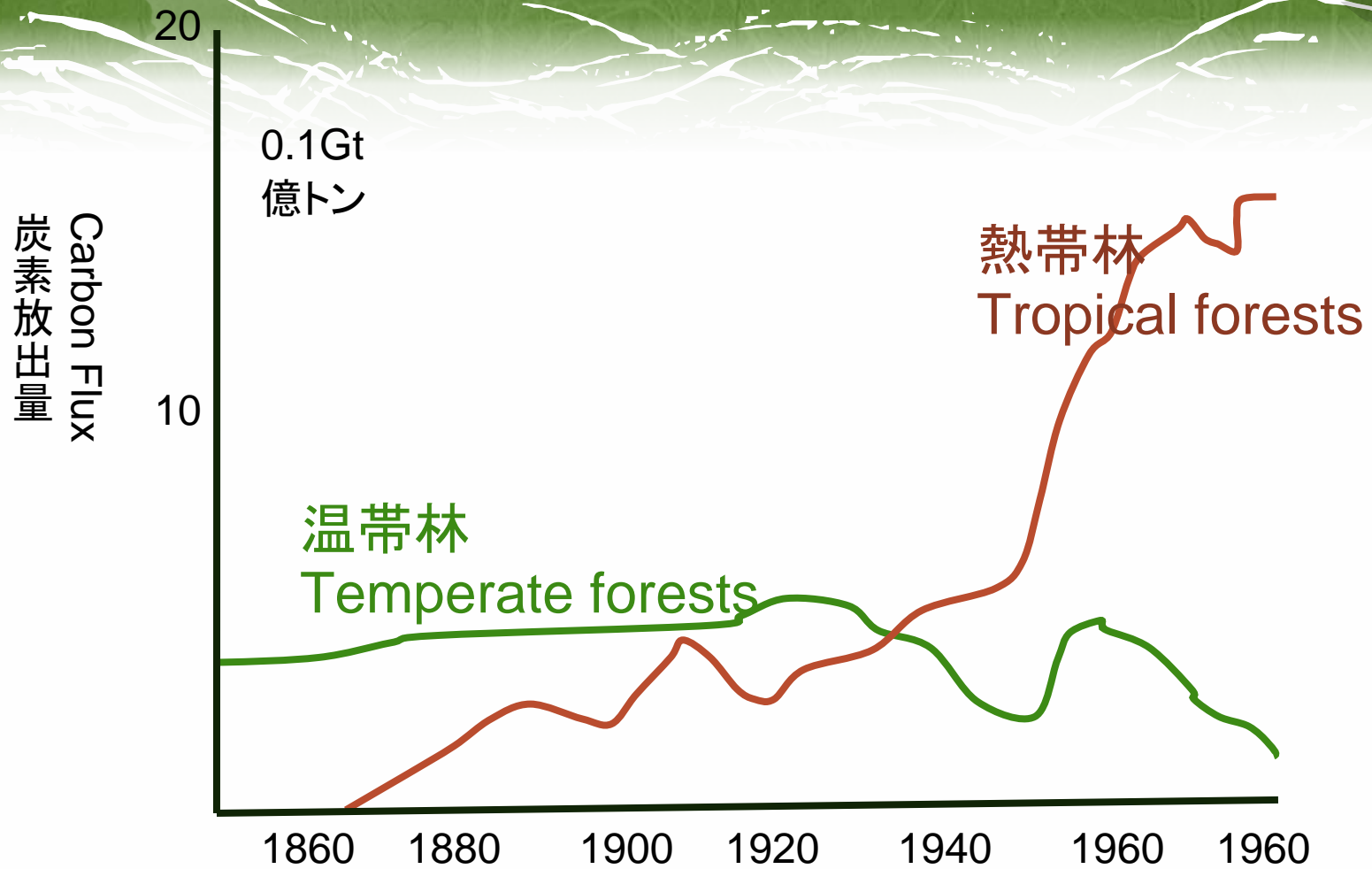
Average annual budget of CO₂ for 1989 to 1998

(Unit : Gt-C/yr)



Source : IPCC LULUCF Special Report (2000)

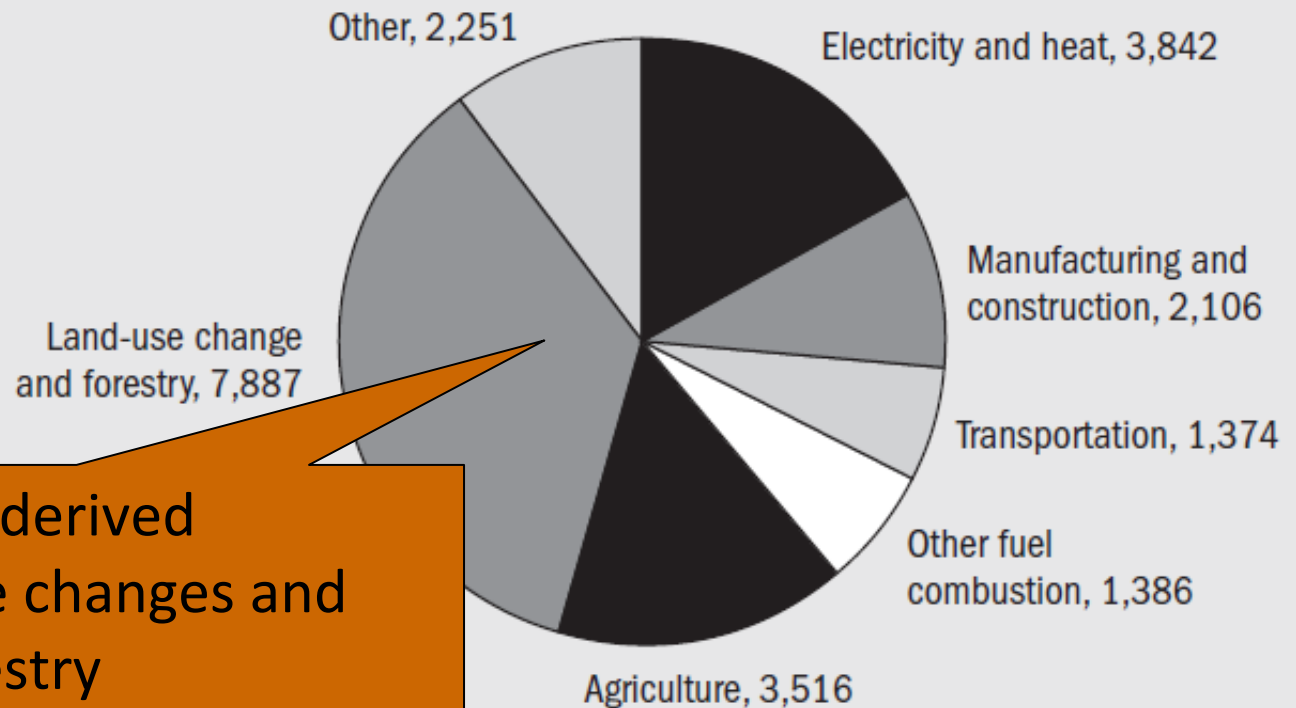
地域別の森林減少に伴う炭素排出量



CO2 emissions of developing countries

途上国からのCO2排出量

Millions of metric tons



35% is derived
from land use changes and
forestry
35%の排出は森林分野から

Source: World Resources Institute.

Rural Area
農村



Sequestration 吸收
Rural people oriented
住民

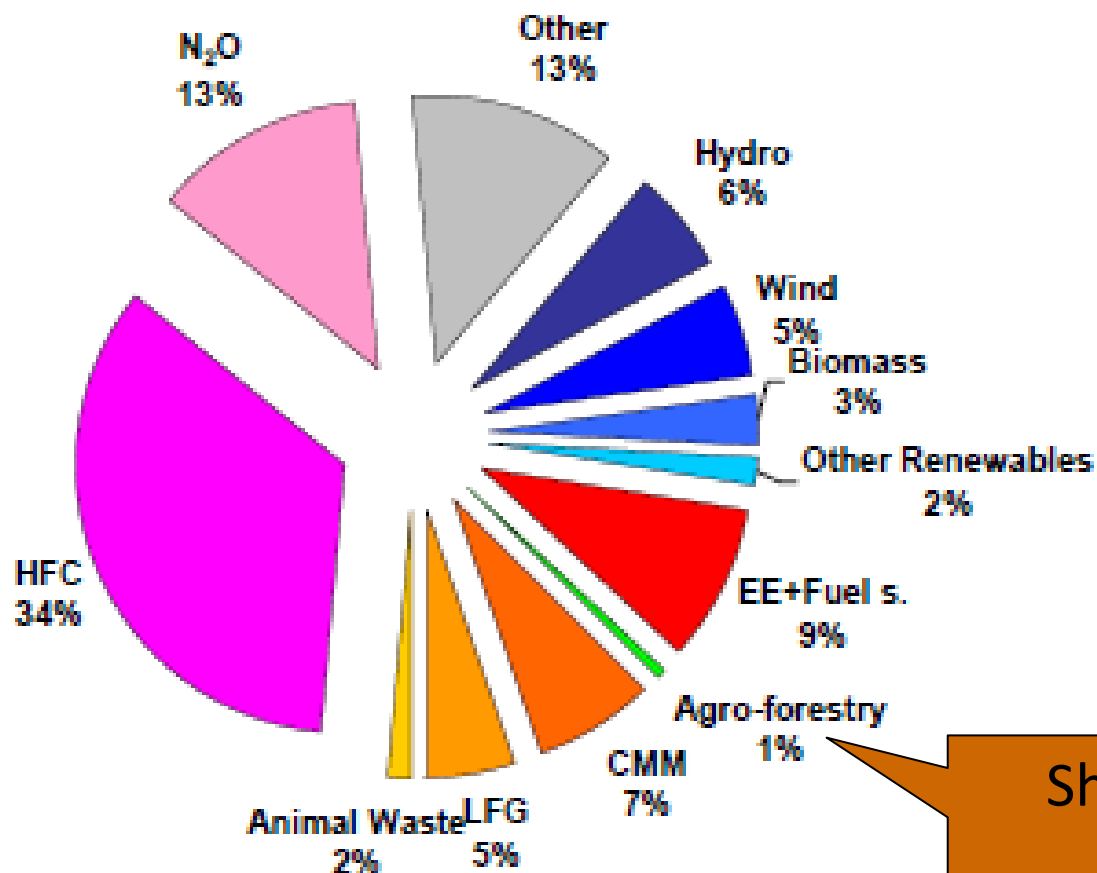
Urban Area
都市



Emission Reduction 排出削減
Enterprise oriented 企業

CDM

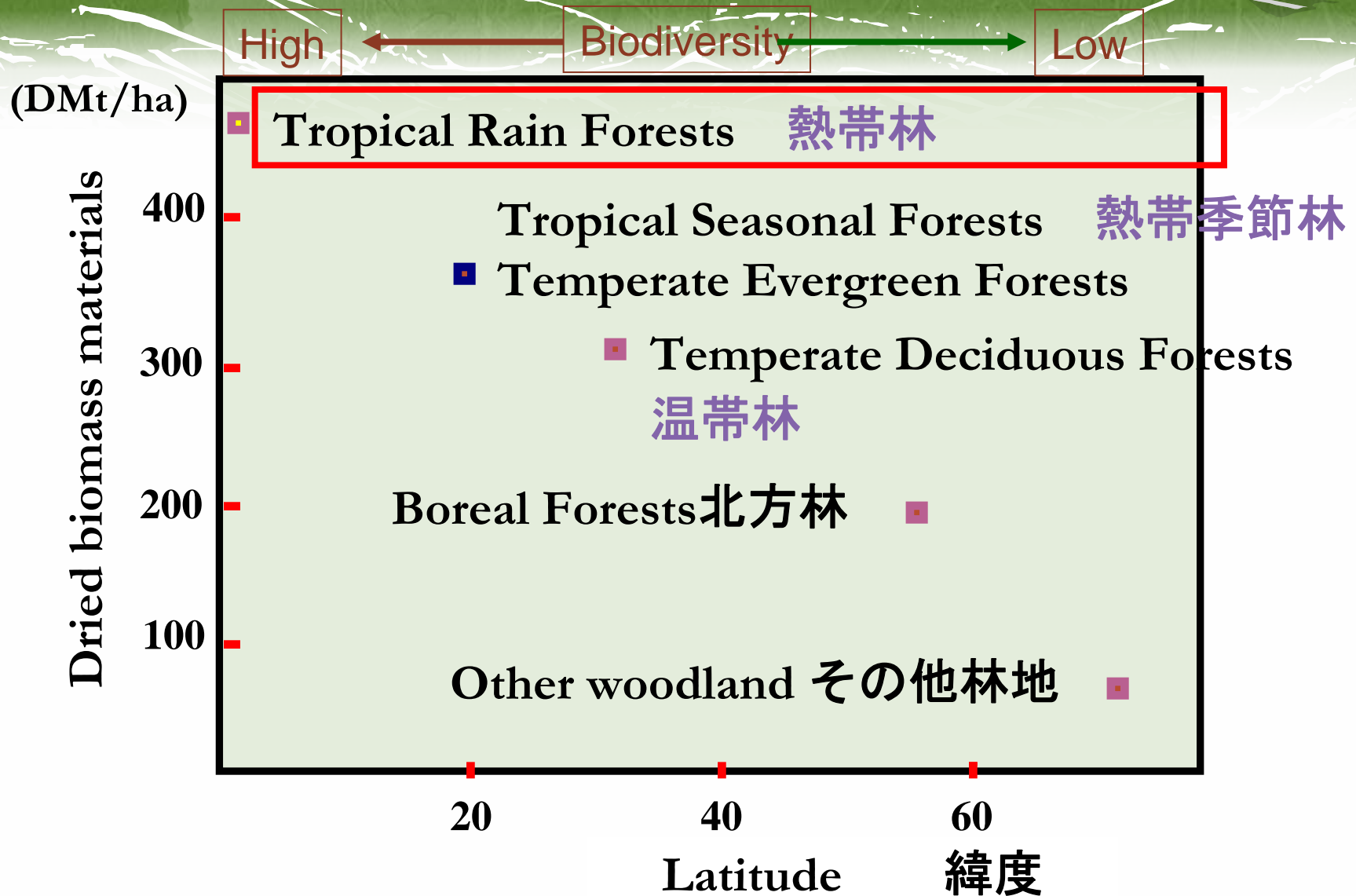
Share of carbon credits volume in classified CDM 分野別CDMプロジェクト数



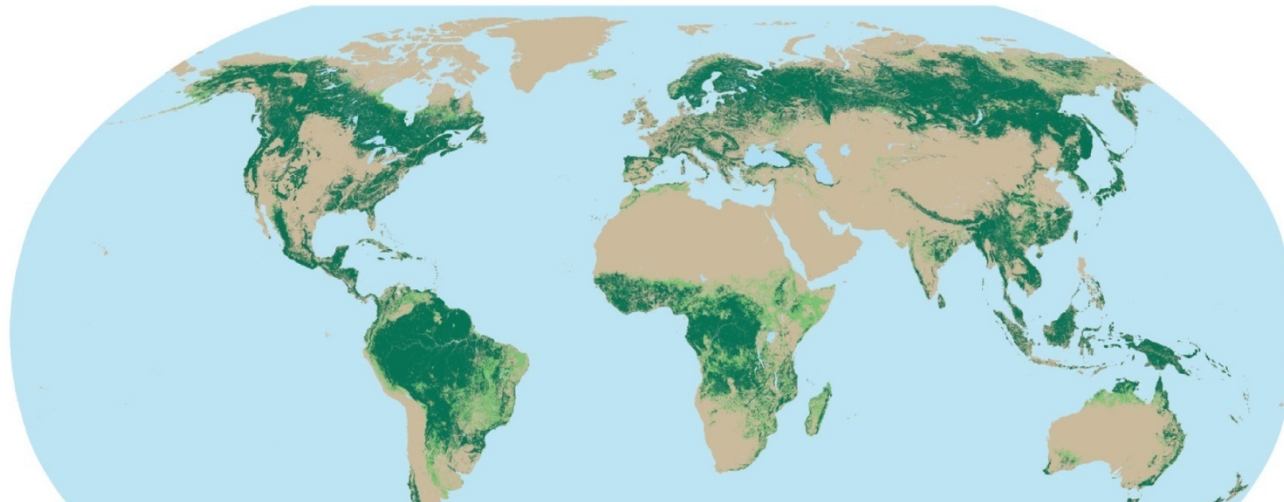
Share of A/R CDM
is only 1%

As a share of volumes contracted in 2006

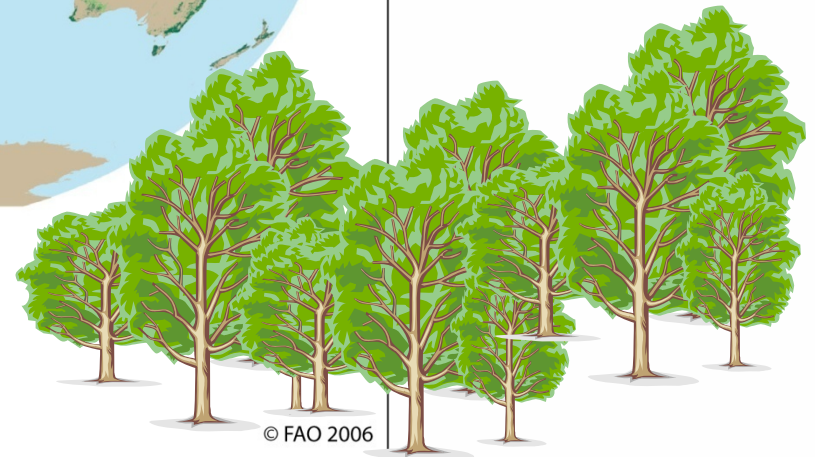
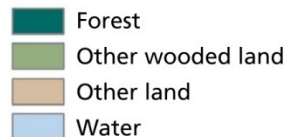
Growing stock potentiality and environment condition 環境条件と蓄積量の関係



The world's forests



Forests are unevenly distributed.
森林は一部の国に偏在している

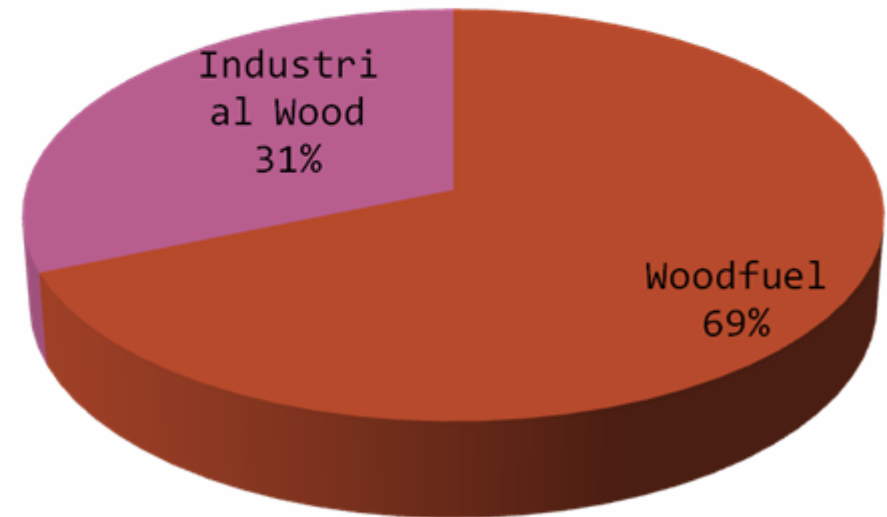
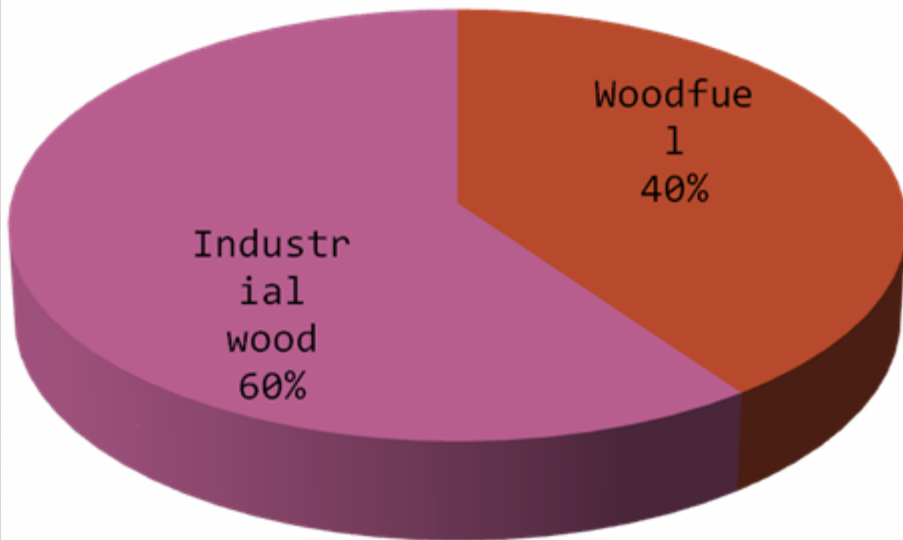


Use REDD together with
A/R CDM.
REDD とA/R CDMの併用
が必要

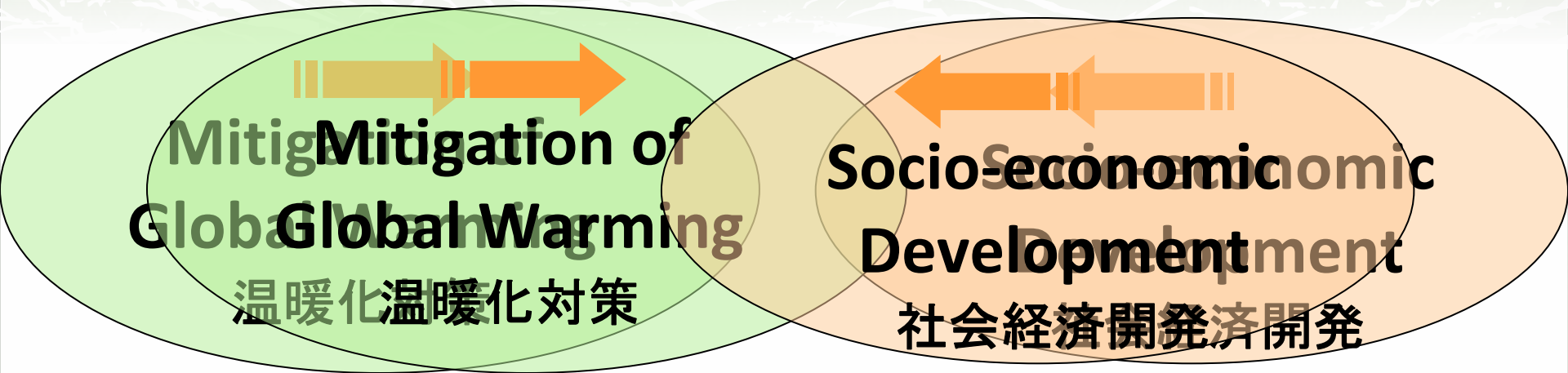
Emission Reduction of Deforestation
and Degradation (REDD)
森林減少・森林劣化に伴う温室効果ガス
排出量の削減

World Timber Production

Timber Production in Developing Countries



Harmonization of SFM and mitigation



Harmonization
双方の調和

Sustainable Forest Management
持続的な森林管理