

An aerial photograph of a vast, dense tropical forest. A dark, winding river flows through the center of the forest, reflecting the sky. The forest canopy is a mix of various shades of green, indicating different tree species and heights. The horizon is visible in the distance under a cloudy sky.

Forest area trends and environmental functions in FRA 2015

K.G. MacDicken
FAO Forestry

1945 REQUEST FOR FIRST GLOBAL ASSESSMENT





FRA history

- 11 global assessments since 1948, each different from the one before
- Assessment methods regularly improved
- Demands for data/definitions evolving
- An emphasis on change from 1980 onwards
- Remote sensing included in 1980 and 2000





Long-Term FRA Goal

To provide world-class
information in support of
sustainable forest management*

- * Defined as: The stewardship and use of forests and forest lands in a way, and at a rate, that maintains their biodiversity, productivity, regeneration capacity, vitality and their potential to fulfill, now and in the future, relevant ecological, economic and social functions, at local, national, and global levels, and that does not cause damage to other ecosystems.



FRA
2015

CFRQ

Why the FRA?

Transparent,
reliable global
forest information
leads to:

Improved
investment in
forestry

Better inputs to
forest-related
policy



THE WORLD'S FORESTS

31%
OF TOTAL LAND AREA

4,000,000,000HA



THE WORLD'S FORESTS



64 “LOW FOREST COVER COUNTRIES”

DEFORESTATION AND FOREST LOSS

An aerial photograph showing a stark contrast between a deforested area on the left and a dense forest on the right. The deforested area is characterized by a brown, tangled mass of dry branches and debris, indicating recent logging or land clearing. The forest area is a lush, green canopy of trees. The boundary between the two is a straight line, likely a road or a cleared path.

2000-2010: 13 million ha/year

1990-2000: 16 million ha/year

AFFORESTATION AND FOREST EXPANSION

>7 million ha/year



NET CHANGE= $\Sigma(\text{gain}) - \Sigma(\text{loss})$

1990-2000: -8.3 million ha/year

2000-2010: -5.2 million ha/year



The Context for FRA 2015-2030

- Human population: 1.2 billion
- Annual cereal demand: 500 million tons
- Annual wood demand: 130 million m³

An estimated 67 million ha of forest land will be converted to agriculture



The Collaborative Forest Resources Questionnaire: Making Joint Data Collection Work



Countries covered by the CFRQ

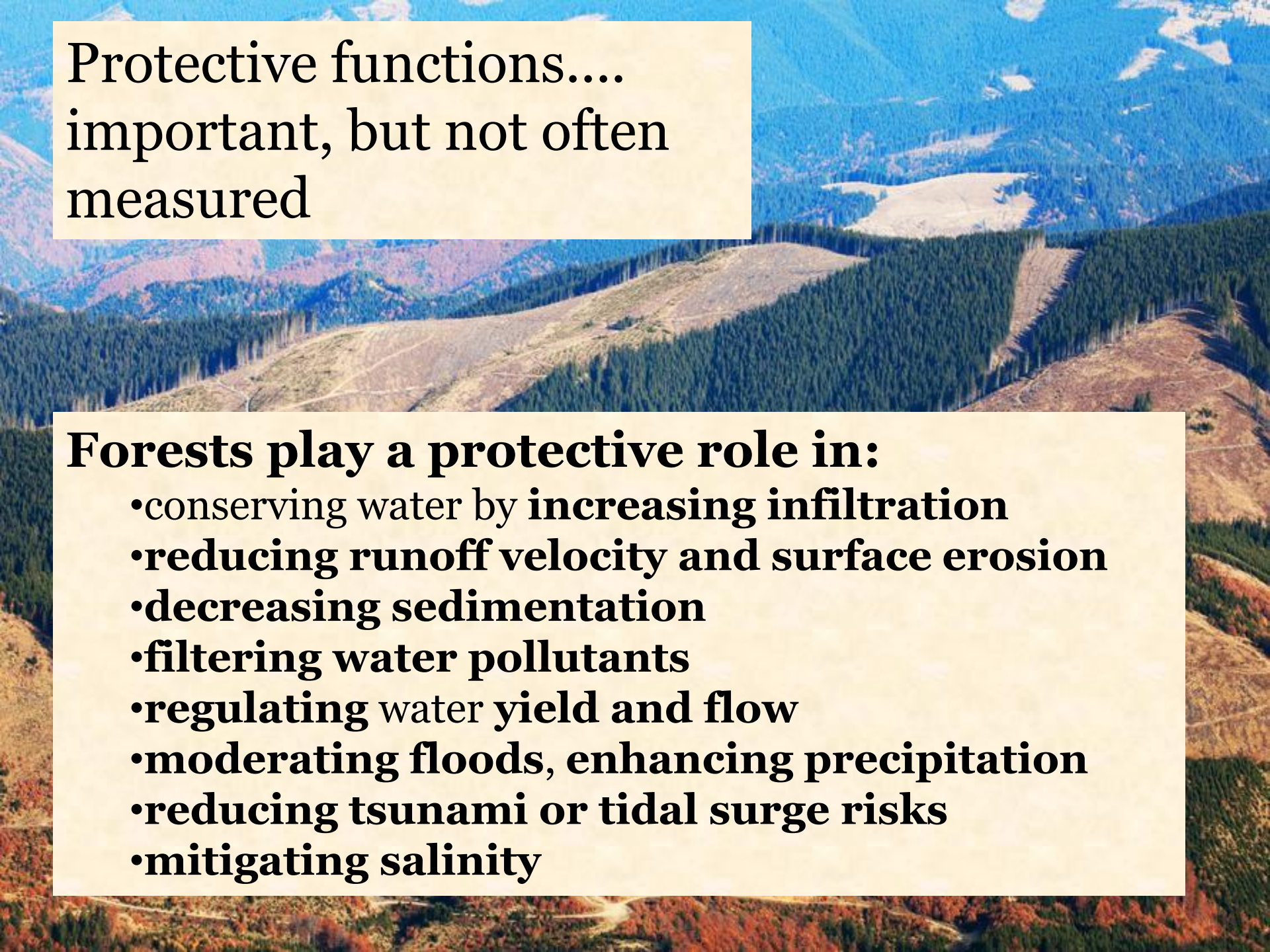


104 countries, 88% of global forest area



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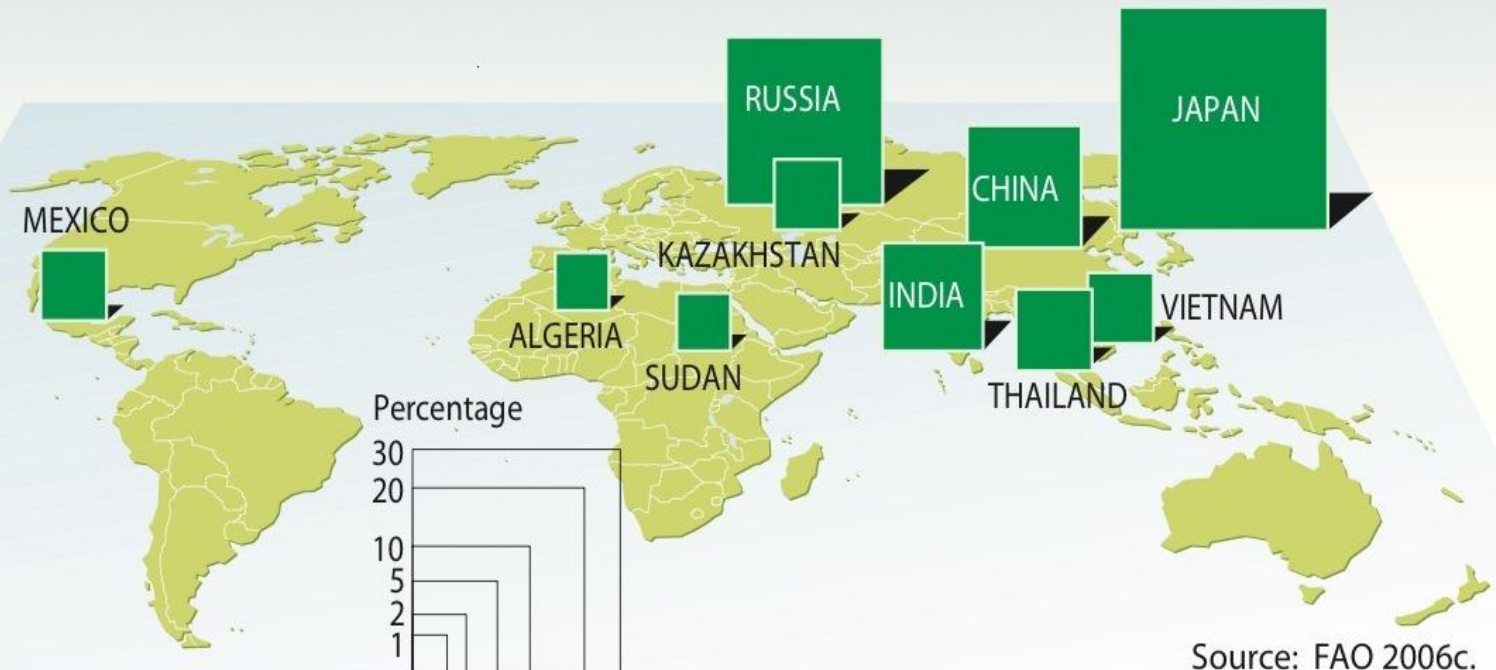
Protective functions....
important, but not often
measured

Forests play a protective role in:

- conserving water by **increasing infiltration**
- reducing runoff velocity and surface erosion**
- decreasing sedimentation**
- filtering water pollutants**
- regulating water yield and flow**
- moderating floods, enhancing precipitation**
- reducing tsunami or tidal surge risks**
- mitigating salinity**



Which country reports the largest area of protective forest plantations?





A new attempt to improve global information on these functions...

Japan is kindly providing important support for a new project will help build new information on such forest functions



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Project Overview

- Beneficiaries: **forest managers and the broader public**
- Stakeholders: **national scientists, practitioners and policy makers**
- Main actions will be to identify, test and disseminate methods for measuring the soil and water conservation functions of forests

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FRA preparations between now and September 2015....

2013 Data collection and country report submission
2014 Data analysis and write-up
2015 FRA-related publications and public data release

An aerial photograph of a vast, dense tropical forest. A dark, winding river flows through the center of the image, reflecting the sky. The forest is a deep green, with varying shades indicating different tree species and canopy heights. The horizon is visible in the distance under a cloudy sky.

In summary...

- Forest area continues to decrease
- Agricultural area continues to expand into forested land
- Less natural forest is undisturbed
- Planted forests continue to expand
- More knowledge about the extent to protective functions of forest is needed

ありがとう
Thank you

