

FORESTS & WOOD PRODUCTS FOR A LOW-CARBON FUTURE

Integrating Forests and Wood Products in Climate Change Strategies

4.4 billion tonnes CO₂e

Energy derived from forest biomass could reduce global emissions by up to 4.4 billion tonnes CO₂e per year.

483 million tonnes CO₂e

Wood-based building materials avoid emissions of 483 million tonnes CO₂e annually by substituting other materials, such as concrete, metal, bricks and plastic.

3/4 carbon

Forests store in their biomass, litter and soils about 3/4 of the amount of carbon held in the atmosphere.

2.4 billion people

Mitigation through more efficient and affordable cook stoves can have an important social impact as about 2.4 billion people depend on wood energy for cooking, particularly in households in developing countries.

5.5 Gt CO₂e

Forest activities can deliver up to 5.5 Gt CO₂e mitigation per year at a carbon value of less than US\$20 per tonne CO₂e.

More than **70 PERCENT** of the countries that submitted intended nationally determined contributions to climate change mitigation included forests in their planned contributions.

Forests in a virtuous cycle not only remove carbon during their lifetime, but continue to store it in wood products. Life-cycle assessments are key for solid accounting of carbon stored in harvested wood products and more ample consideration of climate benefits from wood products.

