

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.

