

PLANTED FORESTS - FUTURE DEMAND

Changes in planted forests and future global implications

Global planted forest area increased from 1990 to 2015 from 167.5 million ha to 277.9 million ha with the increase varying by region and climate domain. Annualised rates of increase in area were highest in the 1990-2000 period (2.0%) and the 2000-2005 period (2.7%) but dropped in 2005-2010 (1.9%) and further in 2010-2015 to 1.2%. This drop may be of concern given that a study by WWF and IIASA have suggested that a rate of increase of 2.4% is needed to meet future demands and supply all of the world's timber and fibre and thus offset deforestation impacts on wood supply (WWF and IIASA, 2012).

RISKS AND BENEFITS

Living Forests Report

CHAPTER 4: FORESTS & WOOD PRODUCTS

- How can we meet rising demand sustainably?

Plantations carry potential risks and benefits, depending on their placement and management. With a projected 250 million hectares of new tree plantations needed between 2010 and 2050 to meet increased demand, these potential impacts – good or bad – are significant. Expansion of plantations should be focused on degraded land, while safeguarding the rights and livelihoods of indigenous peoples and local communities

- New plantations in the right places
- Expanding production in well-managed natural forests
- Forest certification
- Reuse and recycling
- Fairer distribution
- Technological advances

SUSTAINABLE INTENSIFICATION

Definição da Syngenta (Multinacional da área agrícola)

... an approach ... that increases ... production from existing farmland without increasing impact on the environment

New Generation Plantations

- Maintaining Ecosystem Integrity
- Protecting and enhancing high conservation values
- Develop through effective stakeholder involvement processes
- Contributing to economic growth

Definição de membros do New Generation Plantations

Notes from Beijing

"Sustainable intensification: An approach to produce higher levels of forest ecosystem services from the same area of land while decreasing the negative environmental, social and cultural impacts of forestry production."

PLANTED FORESTS - CHALLENGES THAT NEED FURTHER RESEARCH

1. Genetic resources and tree breeding?
2. Multipurpose management of planted forests?
3. Wood, fibre and non-wood forest products?
4. Forest policy, land-use regulation and socioeconomics?
5. What gaps did the conference not cover and need further research?

QUESTÃO PARA DEBATE

A que distância estamos de um mundo cheio?

Qual tem sido o papel da tecnologia na superação de limites?