



## XIII World Forestry Congress

Buenos Aires, 18-23 October 2009  
Forests in development – A vital balance

### THEMATIC SESSIONS

#### Introduction

This section covers the seven main themes of the World Forestry Congress. These have been divided into sub-themes that include most of the issues related to forests and the products and services they provide.

Related topics are listed under each sub-theme to facilitate the categorizing of your paper. This list should not be considered exhaustive.

### 1 FORESTS AND BIODIVERSITY

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#### 1.1 State of the forests and assessment techniques

*State of the forests at national or regional levels*  
*Models of growth and yield, inventories*  
*Remote sensing and other techniques*

#### 1.2 Deforestation and forest fragmentation

*Deforestation rates. Deforestation by forest type*  
*Endangered species*  
*Causes for deforestation and forest degradation; economic strategies to reduce deforestation*  
*Sector responses, new products and services*  
*Fragmentation and habitat loss. Connectivity models*  
*Restoration, deforestation and desertification*

#### 1.3 Restoration and rehabilitation of forest ecosystems

*Reforestation with native species*  
*Restoration experiences and models, biodiversity recovery*  
*Landscape restoration*

#### 1.4 Contribution of biodiversity

*Ecologic importance*  
*Resilience, stability, productivity and other essential functions*  
*Economic aspects and benefit sharing*

#### 1.5 Management for the conservation of forests

*Protected areas*  
*Management strategies in protected areas. Trends*  
*Conservation for development*  
*Conservation corridors*  
*Intangibility*  
*Management practices of flora and fauna*  
*Protected areas and community development*  
*Impact of herbivores on the forests conservation and sustainability*

**1.6 Wildlife associated with forests**

*Illegal trade and derived products*

*Management practices for wildlife*

*Relations between wildlife and communities (wild meat, conflicts)*

*Breeding of wild animals*

*Hunting tourism and its effects on forests*

**1.7 Genetic diversity**

*Genetic variation in relation to use*

*Variation and environmental gradients or evolutive processes*

*Conservation of variation and its strategic use*

*Strategies for conservation and management of genetic diversity*

**2 PRODUCING FOR DEVELOPMENT**

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**2.1 Forest management and dynamics**

*Forest structure and dynamics*

*Adaptive management*

*Management techniques and their ecological and economic influence*

*Use of a larger number of species in high diversity forests*

*Sustainability indicators*

**2.2 Planted forests**

*Importance of planted forests*

*Planted forests and their multiple relations with native forests*

*Trends and perspectives (global and regional) for planted forests*

*Sustainability indicators*

*Impact of planted forests (water, soils, efficiency in the use of resources, landscapes, biodiversity)*

*Monospecific and multi-use planted forests*

*Productivity and efficiency in the use of resources*

*Nurseries*

*Establishment and management techniques*

*Precision management*

**2.3 Agroforestry systems**

*Agroforestry and silvopastoral systems*

*Relations between its components. Economic, ecological, political, social and cultural influences*

*Management systems and use*

**2.4 Maintenance and increase of productive capacity of forests**

*Silvicultural practices*

*Genetic improvement including genetic modification*

*Soils conservation (fertility, adequate use)*

**2.5 Forests and energy**

*Fuelwood production and use*

*Industrial biofuels*

*Energy forests*

*Cogeneration*

*Economic aspects*

*Impacts over ecosystems*



*Externalities in bioenergy production  
Policies and planning*

## **2.6 Forest utilization practices**

*Harvesting technologies  
Low impact logging  
Environmental impacts  
Engineering and transport  
Residues management*

## **2.7 Non-wood forest products**

*State and perspectives of NWFP  
Socio-economic impact  
Inventory methodologies  
Traditional uses*

## **2.8 Trees outside forests and other wooded land**

*Evaluation of trees outside forests  
Social and economic importance*

# **3 FORESTS IN THE SERVICE OF PEOPLE**

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## **3.1 Forests and water**

*Influence of forests on water quality and quantity  
Integrated watershed management  
Forests, water and soil stability*

## **3.2 Forests and climate change**

*Ecosystems adaptation to climate change  
Climate change mitigation. Opportunities and constraints  
Reduction of emissions from deforestation  
Forest products as carbon sinks  
Other consequences of climate change*

## **3.3 Tourism and recreation**

*Forest management caring for scenic value  
Impact of tourism on forests and other related areas  
Development opportunities for local communities  
Ecotourism*

## **3.4 Urban and peri-urban forests**

*Impact on energy balance  
Urban aesthetics  
Public health (pollution, noise, recreation)  
Planning and management techniques  
Urban-rural relationships*

## **3.5 Mountain forests and livelihoods**

*Quality products from mountain  
Balancing innovation and tradition for fighting poverty and hunger  
The value chain approach  
The socio-economic and environmental implications*

**3.6 Valuation of environmental services and benefit sharing***Methodology**Case studies**Innovative financial mechanisms for forest conservation and management**Valuation and payment for environmental services***4 CARING FOR OUR FORESTS**

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**4.1 Forests and fire***Fire management**Fire as a natural disturbance**Prescriptive fires**Fire ecology**Predictive models of fire**Fire and climate change***4.2 Invasive species, pests and diseases***Exotic species and invasion**Integrated pest management**Economic impact of pests**Invasions, health and climate change***4.3 Other disturbances***Floods, earthquakes, eruptions, hurricanes, landslides, others***5 DEVELOPMENT OPPORTUNITIES**

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**5.1 Sustainability and economic viability***Economic viability of SFM and determining aspects**Financial risks, evaluation and management possibilities**Forest finance and investment frameworks***5.2 Industry and forest development***Articulation of the forest chain**Development of forest clusters**Innovative technologies and products**Enabling conditions for development**Environment-industry relationship***5.3 Small and medium scale forest enterprises***Socioeconomic impact**Integration in the production chain**Access to credit. Micro-financing**Networks and support platforms***5.4 Forest products trade***Trade trends and perspectives**Trade barriers.***5.5 Forest certification***Positive and negative impacts of forest certification**Impact of certification on sustainability**Credibility and perspectives*

**5.6 Forests and poverty alleviation**

*Socioeconomic impact of the forest sector*

**6 ORGANIZING FOREST DEVELOPMENT**

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**6.1 International dialogue and processes and their impact**

*Influence on national and regional policies*

*Impact of international agreements over the forestry sector*

*Processes of criteria and indicators for sustainable forest management.*

*Usefulness, convergence and divergence*

**6.2 Instruments for forest planning and development**

*Optimization, simulation and analytical techniques and other tools*

*Forest promotion*

*The forestry sector within development policies*

*Forestry information*

**6.3 Institutional settings, law compliance and good governance**

*Adequacy and institutional strength for development*

*Illegal harvesting and trade*

*Legal coherence.*

*Impacts of decentralization processes*

*Legal safeguards.*

**6.4 Research, extension and education**

*Investment in research, contribution of the public and private sectors*

*Contribution to the development of the forestry sector*

*Efficiency and development of forest extension*

*Knowledge integration in formal education*

**6.5 Intersectoral policies and influences**

*Policy development at the intersectoral level*

*Forest-agriculture interface*

*Articulation in legal and political processes*

**6.6 Contribution of the forest sector to national and local economies**

*Aspects regarding the forest sector contribution to the GDP*

*Green accounting*

*Forest development and employment generation*

*Forest-based rural development*

*Contribution of the forest sector to trade. Trends*

**6.7 Forest information**

*Information services, libraries and networks*

*Forest terminology*

*Forest communication*

**7 PEOPLE AND FORESTS IN HARMONY**

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**7.1 Land tenure**

*Land tenure regimes and its impact over forest management*

*Mediation in the natural resources management*



**7.2 Indigenous people, communities and institutions**

*Traditional knowledge, social, cultural and spiritual values*

*Territorial rights of indigenous people. National and international standards*

*Natural resources management models*

**7.3 Participatory management and processes**

*Participatory forest management*

*Conflict prevention*

*Negotiation mechanisms*

**7.4 Work in the forestry sector**

*Ergonomics*

*Security*

*Ethics*

*Social responsibility*

**7.5 Gender and forestry**

*Gender mainstreaming in forestry*

*Forest policy and gender*

*Data resources and information on gender*