



**The 4th Forest Science Forum -
the International Conference of Forest Multi-functional Management**

Beijing, China

October 24 – 27, 2016

The 4th Forest Science Forum - the International Conference of Forest Multi-functional Management (Session ID: 88)

Organizers: Chinese Society of Forestry

Format: Oral presentations and posters

This Forum will focus on the multi-objective services of the forest, which include five topics: The Role of Forestry Society in Forestry Innovation, Multi-functional forests and Multi-functional forestry, Role in forestry sustainable management for genetics and physiology, Multi-target tree breeding and molecular techniques for sustainable forest management in future, Sustainable forest biological disaster control and management.

Descriptions of Sub-sessions under the Forum

88-1: The Role of Forestry Society in Forestry Innovation

Organizers: Prof. Chen Xingliang, Chinese Society of Forestry

Format: Oral presentations and posters

This session focus on the forestry society's role in forestry science and technology development and contribution to sustainable forestry management. How to solidarity and lead the members to promote forestry scientific and technological progress and innovation.

88-2: Multi-functional forests and Multi-functional forestry

Organizers: Wang Yanhui (Chinese Academy of Forestry; IUFR Working Party of 8.01.04-Water supply and quality), Wu Shuirong (Chinese Academy of Forestry; IUFR Working Party of 9.04.02-Valuation of ecosystem services and carbon markets)

Format: Oral presentations and posters

This session aims to present and exchange the new achievements in concepts, techniques, cases, and evaluations of multifunctional forests and multifunctional forestry, to promote their development and application.

88-3: Sustainable forest biological disaster control and management

Organizers: Ye, Jianren (Nanjing Forestry University, China), Luo Youqing (Beijing Forestry University, China), Zhang Xingyao (Chinese Academy of Forestry), Sun Jianghua (Chinese Academy of Sciences)

Format: Oral presentations and posters

This session aims to reach a common understand on the status and trends of forest biological disaster that the consequent research needs towards sustainable forest control and management. It also aims to generate research synergies for informative policy and decision making to meet the needs in sustainable forest pests control and management in the current situation.

88-4: Role in forestry sustainable management for genetics and physiology

Organizers: Li Yue (Beijing Forestry University, China), Xia Xinli (Beijing Forestry University, China)

Format: Oral presentations and posters

This session will focus on the value of forest genetic and tree physiology studies as sources of baseline information on how genetic resources management and fitness of trees in changing climate and stressing site condition for forestry sustainable management, with a particular emphasis on understanding their molecular mechanism for trees adaptation to environment and improvement of their multi-function.

88-5: Multi-target tree breeding and molecular techniques for sustainable forest management in future

Organizers: Shi Jisen (Nanjing Forestry University, China), Yin Tongming (Nanjing Forestry University, China)

Format: Oral presentations and posters

This session included the major scientific thrusts in forest biotechnology, especially to develop genomic selection based breeding strategies.

88-6: Decentralization and Forest governance in Asia and Pacific Region

Organizers: Liu Jinlong (Renmin University of China)

Format: Oral presentations and posters

This session will to provide a platform for academics in the Asia-Pacific region to share the latest scientific advances in the fields of forest-related governance studies and for science-based contributions on the transfer of scientific knowledge to policy and management practices in the region.