

**National seminar on  
“ROLE OF WOOD IN CLIMATE CHANGE  
MITIGATION”**

**(14<sup>th</sup> – 15<sup>th</sup> December, 2016)**

**Venue: Institute of Wood Science and Technology,  
Bangalore**



### **Background**

Wood has been the principal fuel and building material from the dawn of civilization. Until this century wood was the single greatest material application for comfort of our ancestors lives. Depending on who starts counting where, the experts all disagree, the art and technique of working wood into countless forms of tools, shelter, furniture, transportation, decoration, kitchen utensils, any and every other thing is imaginable. The first everything; including the first submarine and airplane; were first made of wood.

Human induced climate change is one of the most pressing and complex issues facing society in the 21st century. Increased use of forests and wood products, while not replacing the need to reduce greenhouse gas emissions at source, does make an important contribution towards tackling the problems of climate change. The use of wood products can also provide broader social, economic and environmental benefits. However, these broader developmental benefits are not always recognised, nor do they always materialise in tandem with climate change mitigation initiatives. This report aims to improve understanding of the benefits of, and linkages between, the use of wood products to mitigate climate change and the capacity to deliver broader human development.

Despite increases in global economic activity and population since the mid 1980s, the demand for wood and wood related products remain unchanged. However, there have been major changes in the origin and composition of production. This has seen larger areas of economically efficient plantation increasingly substituting for production from natural forest areas with an overall loss of forest cover. The combination of relatively static consumption together with these changes in production patterns has meant that the contribution of forest and wood production

systems to climate change mitigation has not fully been captured. Promoting both forests and wood products can help to redress this.

Using wood products that store carbon instead of building materials that require more fossil fuel to manufacture can help slow climate change. Trees grow with solar energy, and the little waste generated during processing is often used to meet the energy needs of the mill. At the end of their first life, forest products can be easily reused, recycled or used as a carbon neutral source of energy. Considering the present scenario on climate change and importance of wood a National Seminar on “**ROLE OF WOOD IN CLIMATE CHANGE MITIGATION**” is being organized during 14<sup>th</sup> – 15<sup>th</sup> December, 2016 by **Institute of Wood Science and Technology, Bangalore.**

### **THEMES OF THE SEMINAR**

- WOOD IN GREEN HOUSE GAS MITIGATION
- WOOD PRODUCTS/TECHNOLOGY/ POLICY AND CLIMATE CHANGE

#### **Day 1.**

#### **Inauguration**

#### **Theme I.**

#### **WOOD IN GREEN HOUSE GAS MITIGATION**

##### Sub-themes

1. Wood: a means of greenhouse gas mitigation
2. Carbon in wood and paper
3. Wood products and stored carbon
4. Wood and carbon trading
5. Wood energy and climate change

#### **Day 2.**

#### **Theme II.**

#### **WOOD PRODUCTS/TECHNOLOGY/POLICY AND CLIMATE CHANGE**

##### Sub-themes

1. Managing wood products for climate change
2. Life cycle assessment of wood and footprint

3. Wood improvement/technology and climate change
4. Use of phytolith techniques and dendroclimatology climate change
5. Policy issues in wood for climate change

#### **Field visit**

#### **VENUE AND CLIMATE**

The Seminar will be held at IWST, Bangalore which is 5 km from Majestic bus stand, 6 km from city railway station and 35 km from Bangalore International airport (BIAL) in Devanahally. Weather at Bangalore during February will be pleasant with day temperature around 25-28°C. Light woolen clothing may be required in night.

#### **ACCOMMODATION**

Limited accommodation is available in IWST guest house/hostel that may be arranged on 'first come first serve basis'. Good quality budget hotels are also available in Bangalore on affordable cost. Participants will have to bear the accommodation charges. For accommodation enquiries/requests may be sent to **Mr. M. Srinivas Rao IFS, Organising Secretary** either by post or email at [raoms@icfre.org](mailto:raoms@icfre.org) or Dr. Anil Kumar Sethy [aksethy@icfre.org](mailto:aksethy@icfre.org)

#### **SUBMISSION OF ABSTRACTS**

One page abstract (500 words) including the title, authors, affiliation and key words should be submitted to the **Organizing Secretary by 15<sup>th</sup> November, 2016.**

Abstract should be prepared in MS Word. Acceptance will be notified by **25<sup>th</sup> November 2016.** Full papers will have to be submitted by **5<sup>th</sup> December 2016.**

**Registration fee:** A nominal amount of Rs 1000/ per delegate, which include conference material, lunches and dinner. For students registration fee is Rs 500/ per student.

There is no registration fee for ICFRE employees.

#### **POSTER PRESENTATION**

The dimension of the poster should be a maximum of 90 cm wide and 120 cm high. The posters should be informative, clear and attractive. It is advisable to organize poster under the headings similar to paper (less wording, more illustrations). Posters should be legible from a distance of 1-2 m. Materials for fixing the posters will be provided by the organizers. Mailed posters will not be accepted.

#### **Stalls /Exhibition**

Exhibition of wood products is also being organized during the seminar. Interested participants are requested to contact the organizing secretary. The charges for putting up one stall will be Rs. 12000/-.

#### **Committee:**

##### **Patron:**

- Dr. Shashi Kumar, IFS, Director General, Indian Council of Forestry Research and Education (ICFRE), Dehradun.

##### **Technical Advisory Committee:**

- Mr. R.S. Suresh, IFS, Principal Chief Conservator of Forests and Head of Forest Force, KFD
- Dr. G.S. Goraya, IFS, Deputy Director General (Research), ICFRE, Dehradun.
- Dr. B.N. Mohanty, IFS, Director, Indian Plywood Industries Research & Training Institute (IPIRTI), Bengaluru.
- Dr. Vimal Kothiyal, Additional Director General (Research and Planning), ICFRE, Dehradun.

##### **Organizing Committee:**

- Mr. Surendra Kumar, IFS, Director, Institute of Wood Science and Technology (IWST), Chairman,
- Mr. N. Mohan Karnat, IFS, Chief Conservator of Forest, Group Coordinator Research, IWST
- Mr. M. Srinivasa Rao, IFS, Chief Conservator of Forest and Head, Policy

Research and Marketing Division, Organizing Secretary.

- Dr. V. Shettappanavar, Head, Chemistry of Forest Products, IWST
- Dr. Geeta Joshi, Scientist – F and Head, Tree Improvement and Genetics Division, IWST
- Dr. R. Sundararaj, Scientist – G and Head, Forest Wood Protection Division, IWST
- Dr. K. Murugesan, IFS, Conservator of Forest, Coordinator (Facilities), IWST
- Dr. S. R. Shukla, Scientist – F and Head, Wood Properties and Engineered Wood Division, IWST
- Dr. Pankaj K. Aggarwal, Scientist – F and Head, Wood processing Division, IWST
- Ms. Praneeta Paul, IFS, Conservator of Forest, IWST
- Dr. B.N. Divakara, Scientist E, Co-Organising Secretary
- Mr. Ritesh Kumar D. Ram, Scientist – D, IWST
- Dr. Anil Kumar Sethy, Scientist – D, IWST
- Mr. V. Soundararajan, Scientist – C and Head, Information Technology Cell, IWST

##### **Scientific and Publication Committee:**

- Dr. Syam Viswanath, Scientist – F, IWST
- Dr. Shakti Singh Chauhan, Scientist – F, IWST
- Dr. Geeta Joshi, Scientist – F, IWST
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- Dr. B.N. Diwakara, Scientist – E, IWST
- Dr. Ritesh Tailor Scientist – C, IWST