

Bamboo housing for sustainable, resilient urban development and post-disaster recovery



HABITAT III
17-20th October, 2016
Quito, Ecuador

The Habitat program of the United Nations begun in 1976 aims at addressing the need for housing and sustainable urban development. This year the Habitat III will be hosted in Quito, Ecuador from October 17-20th. The Conference will help set the Urban Development Agenda for the next decade. The International Network for Bamboo and Rattan or INBAR will be focused on utilising the Habitat III platform for increasing the importance of bamboo as a sustainable construction material for disaster risk reduction and post disaster reconstruction. [Read More](#)

VOA News



Scientists Test Bamboo as Building Material Delivered by **Kent Harries**

Dr. Kent Harries, professor of the University of Pittsburgh as well as one of the key experts of INBAR Construction Task Force, was interviewed by VOA for their tests for bamboo in June 2016. He is leading a research to standardize the tests of bamboo so that bamboo can be safely used in buildings.



ISO Technical Committee 296 (ISO-TC 296)

A new International Standards Organization (ISO) Technical Committee for bamboo and rattan – launched in Beijing (April 26, 2016) – will strengthen the global trade of these versatile plants, benefiting businesses and delivering positive gains to the rural communities that depend on their production. INBAR is the liaison organization.

Standardization

Upcoming Events



The 4th International Symposium on Bamboo and Guadua

Date: 28-30 September, 2016
Venue: Bogotá, Colombia

The 4th International Symposium on Bamboo and Guadua will be hosted by the Pontificia Universidad Javeriana and co-organized by INBAR. Experts will gather to share their knowledge through presentations and plenary lectures on different subjects related to bamboo.

West of England Metals and Materials Association

Date: 14 September, 2016
Venue: Bath, UK

Workshop: From traditional techniques to state-of-the-art bamboo building technologies

Date: September, 2016
Venue: Bath, UK

Outcomes of Events

The Symposium on Bamboo in the Urban Environment held from 4-6th May, 2016 at the University of Pittsburgh is part of the US State Department and UK British Council-funded Global Innovation Initiative (GII) project that is supporting development of bamboo as a viable, sustainable and engineered alternative for construction practice in many areas of the world. The meeting, which brought together academic, private sector and civil society actors from 14 countries and territories, was jointly organised by the University of Pittsburgh, Coventry University and the International Network for Bamboo and Rattan. (INBAR - a multilateral organisation with 41 member states) [Read More](#)

Pittsburgh Declaration

Taking Action on Bamboo in the Urban Environment

The participants of the Symposium endorse the Declaration by acclamation, committing themselves to action and call upon their national governments and all relevant organizations to mobilize and share resources to implement the recommendations in the Declaration.



Research Section



Bridging the gap between traditional & state-of-the-art bamboo building and manufacturing technologies

Implemented by **Hector Archila**
Work sponsored by Ned Jaquith Foundation, USA.



Bamboo2market

Implemented by **Hector Archila**

From natural round bamboo to engineered bamboo products, an innovative technology provided by the University of Bath, UK.

Project

Recruiting Experts



How to become a key expert of INBAR Construction Task Force

Since its establishment in 2014, the INBAR construction task force has successfully built an effective mechanism to develop international standards, disseminate bamboo building knowledge and support global coordination on sustainable bamboo construction. A core group of key experts plays an important role in it. Just 4 steps for becoming a key expert:

- Step 1:** Get the endorsement;
- Step 2:** Provide materials to kwliu@inbar.int;
- Step 3:** Internal discussion;
- Step 4:** Final Result.

Task Force Publications

Bamboo Test Kit in a Back Pack

Authors: **Kent Harries** and **Rebecca Glucksman**

"Bamboo Test-kit-in-a-Back Pack" is a new digital publication series launched by INBAR Construction Task Force illustrating how to fabricate and use the test kit for rapid in-the-field assessment of bamboo mechanical and material properties. It is divided into two parts: a Technical Report and a User's Manual. The Technical Report describes the fabrication and provides reference for the use of the kit while the User's Manual, presently available in four languages (English, Spanish, Chinese and Portuguese), is a simple illustrated guide for performing the tests. [Read More](#)

Journal

Diaz, Y., **Archila, H.**, Celentano, G., Habert, G. & Zea, E. 2016. Low investment costs as key driver for upscaling alternative construction technologies. In proceedings: Low/No Cost Housing Conference, ETH Zurich: 1-7. [Link](#)

Part I: Technical Report

English

Part II: User's Manual

English

Spanish

Chinese

Portuguese