



10th World Dendro Conference

2nd—22nd June 2018



Program:

Saturday, June 2nd – Friday, June 8th

Pre-Conference Fieldweek, - 7 days.

Held at the Ugyen Wangchuck Institute of Conservation & Environment (UWICE) at the institute's, Lamai Goempa campus above Jakar, Bhumthang province, Bhutan,

Saturday June 9th, Pre-Conference Workshops (2 concurrent programs), Thimphu, Bhutan.

Sunday June 10th – Friday June 15th, 10th World Dendro Conference, Thimphu. - 6 days.

Sunday June 16th - Friday June 21st, Post-conference excursions (optional).

Conference Registration: (*September 1st – April 1st*)

For further information please contact:

Karma Tenzin: ktenzin@uwice.gov.bt
Sangay Wangchuk: swangchuk@uwice.gov.bt

<http://www.geog.cam.ac.uk/events/worlddendro2018/>

Ugyen Wangchuck Institute for Conservation &
Environmental Research
Department of Forests & Park Services
Bumthang, Bhutan
www.uwice.gov.bt

Ugyen Wangchuck Institute for Conservation and
Environmental Research

Columbia University

University of Cambridge



Background

Since the first International Tree-Ring Conference, the field of tree-ring research has grown at a phenomenal rate. Much of the discipline's expansion can be accounted by the increasing numbers of students and scholars in developing countries. Despite the growing number of contributions from this sector of our community there has yet to be an international conference in a developing nation. We would like to change that history by holding the 2018 International Tree-ring Conference in Thimphu, Bhutan.

The Himalayan Kingdom of Bhutan faces two profound and immediate threats from climate change. First, altered precipitation patterns and accelerated glacial melting generates glacial lake outburst floods (GLOFs) and other flooding events, endangering life, livelihood, and cultural heritage. Second, changing and uncertain stream flow creates challenges for the generation of hydropower, which is the keystone of Bhutan's economic future. Bhutan is not unique in this position; the spectre of adverse climate change impacts on the world's mountain communities is a very real threat.

Therefore, in addition to the traditional session topics in Dendrochronology, we extend a special invitation to those working in developing countries, and on climate change impacts in mountain environments to come to Bhutan and present your findings, and have those discussions that will improve your science and the science of others.

In 2018, we hope to mark the beginning of a new way to organize and present conferences like World Dendro. Under the proposed structure the conference will *i)* include multiple forums in which students and educators of natural sciences in Bhutan can participate without cost, *ii)* multiple venues open to the general public where interested citizens can learn about the latest environmental discoveries, and *iii)* create a monetary fund to support young scientists in the host country. We hope you will embrace this initiative and help us set the example for the future.

Conference project scale

Duration

The recommended dates for the 10th ITC are June 2nd - 22nd, 2018. This timing coincides well with many academic schedules in Europe and North American, from where we expect a significant number of participants. Fifteen days would be the absolute minimum length of stay for a participant who attends both the pre-conference Fieldweek (optional) and the conference. The maximum stay (not to exceed 1 month) would apply to the POC, the conference Scientific Committee, and those participants who attend both the pre-conference Fieldweek, the conference, and any one of two-three proposed post-conference excursions.

Number of Attendees

Based on attendance at the last ITC held in Melbourne, Australia and the rate at which the discipline and users of tree-data is growing, added to the unique opportunity to visit Bhutan, we estimate total ITC attendance will range between 300-350 registered attendees. With the provision that each registered attendee may bring one partner, spouse, student or companion, the total number of visitors may be as high as 400-450.

Venues

Pre-conference Fieldweek

UWICER is the now the proposed venue for the pre-conference fieldweek. The decision to move from the originally proposed College of Natural Resources (CNR: Appendix I) to UWICER was only made recently with the arrival of UWICER to the POC. In addition, UWICER was the location of a successful fieldweek in 2011.

Main-Conference

The 10th International Tree-ring Conference will be held at RUB conference hall (Oral session), YDF hall (Poster session).

General session topics

In the broadest sense this list summarizes the session topics.:

- ◆ Forest inventories and the study of global change
- ◆ Mountain Dendrochronology
- ◆ Dendroclimatology
- ◆ Tropical Dendrochronology
- ◆ Wood Anatomy and modelling wood formation
- ◆ Dendrochronology and non-traditional species
- ◆ Isotopes and Tree-rings
- ◆ Dendroecology
- ◆ Discrete events and extremes
- ◆ Dendroarchaeology
- ◆ Dendrogeomorphology
- ◆ Methodological innovations in dendrochronology
- ◆ Proxy/Model Comparisons
- ◆ Dendrohydrology and stream flow reconstructions

