



## REGIONAL TRAINING

on

# Biodiversity Conservation and Sustainable Development in Tropical Asia

April 18 - 23, 2022 (UTC/GMT+08:00) | Onsite & Online





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### **Biodiversity Conservation and Sustainable Development in Tropical Asia**

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#### **Background**

Biodiversity conservation is crucial for sustainable development and for addressing major challenges such as climate change. Collaboration and partnership, among and within countries, is critical for addressing conservation-related issues and for sustainable development. The Sustainable Development Goals (SDG), Targets 2.3 and 3.4 of the Programme of Work on Mountain Biodiversity of the Convention on Biological Diversity (CBD), and the Paris Agreement, all emphasize the importance of global and collective actions and concerted efforts, synergy, and partnerships among and within countries.

The Tropical Asia region is spreading over a dozen countries with contiguous ecosystems and habitats. This tropical region supports rich biodiversity and high endemism, is home to over one billion people, and faces massive pressure from rising population and rapid economic growth. There has been a steady increase in science and technological cooperation among tropical Asian countries, contributing to strong South-South cooperation over the past decades, with the Alliance of International Science Organizations (ANSO) itself being the result of such cooperation.

The Fifteenth Conference of Parties meeting (COP15) to be held from 25 April to 8 May 2022, will be one of the most important conferences on biodiversity in a decade. It will outline what countries need to do, individually and collectively, in the next decade and beyond, to set humanity on course for achieving the CBD's overall vision of "living in harmony with nature" by 2050. Building the institutional capacities of the research institutions, conservation agencies and development organizations including the decision-making bodies will be crucial for the successful implementation of the Post 2020 Global Biodiversity Framework and realization of the 2050 Vision.

## Objectives

The objective of this training course is to enhance and strengthen the capacities of the scientific institutions, conservation agencies and development organizations in tropical Asian countries in carrying out biodiversity researches, conservation and sustainable development programmes. The training will help to build human resources for more effective and fruitful science cooperation between China and the regional countries.

## Training contents

The six-day training course is composed of two parts, indoor lectures with outdoor field trips. Participants will be provided a chance not only to exchange face to face with experts in biodiversity, conservation and sustainable development, but also to exchange with each other and establishing linkages for cross-border learnings.

- Theoretical lectures: a series of presentations and talks will be delivered by senior and experienced experts to impart the participants on the up-to-date understanding of biodiversity of the Tropical Asia region, new tools, techniques, and technologies in biodiversity researches, monitoring and conservation and regional experiences in the sustainable use of biological resources for socioeconomic development.
- Practical course (Field trip): a one-day investigative field trip will be organized for the participants to the research plots and sustainable development project sites supported by XTBG.

## Experts

The training course will be delivered by a multidisciplinary team of scientists and experts from XTBG, CMF, INBAR, ICIMOD and other organizations of the region.

## Target participants

Students, researchers, managers etc. engaged in research and work related to ecology, conservation biology and sustainable development in tropical Asian countries.

## Date and time

April 18 - 23, 2022 (UTC/GMT+08:00)

## Venue

Onsite: Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences (XTBG), Menglun, Mengla, Xishuangbanna, Yunnan 666303, P. R. China

Online: ZOOM (Lectures and talks will be broadcasted through ZOOM. The meeting ID will be released before the training starts)

## Training schedule

Day	Activity
Day 1	Registration and opening ceremony
Day 2-3	Biodiversity researches in Tropical Asia a) biogeography, biodiversity and ecosystems of Tropical Asia b) new technologies for biodiversity researches, monitoring and assessment
Day 4	Biodiversity conservation
Day 5	Biodiversity conservation (contd); Sustainable development; Closing ceremony
Day 6	Fieldtrip (onsite participants)

## Application

Please apply the training through the following link or QR code (all applications are requested to submitted before 12:00 April 8, 2022 (UTC/GMT+08:00):

<https://forms.office.com/r/szyphPEbCM>



## Fee

Attending fee: Free (both online and onsite);

Transportation and accommodation (onsite) are self-care.

## Contacts

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The organizing committee

March 18, 2022

## About the Sponsor and Organizers



[Alliance of International Science Organizations \(ANSO\)](#), is a non-profit, non-government international scientific organization founded in 2018 based on the general principles of "joint consultation, joint effort and joint sharing" adhered to by the Chinese "Belt and Road Initiative for the promotion of shared development and achievement of the UN SDGs. ANSO members include national academies of sciences, universities, research

institutes and international organizations. ANSO is committed to playing an effective role in catalyzing and implementing innovative international science initiatives with the member countries and other partners to advance the ANSO vision and help build a community of the whole humankind with a shared future. Science, Technology, Innovation and Capacity building (STIC) is essential to the progress and welfare of human societies and ANSO is particularly keen to cooperate and partner those who want to collaborate in these endeavors. **This Training Workshop is sponsored by ANSO.**



[Xishuangbanna Tropical Botanical Garden \(XTBG\)](#), Chinese Academy of Sciences is a non-profit, comprehensive botanical garden involved in scientific research, plant diversity conservation, and public science education. XTBG promotes science development and environmental conservation through implementing scientific research on ecology and plant diversity conservation, horticultural exhibition, and public education. XTBG envisions to be a desirable base for plant diversity conservation and ecological studies, and Noah's Ark for tropical plants.



[Southeast Asia Biodiversity Research institute \(SEABRI\)](#), Chinese Academy of Sciences is an international scientific research and education institute, managed by XTBG. SEABRI serves China's Belt and Road Initiative by aggregating all capacity and efforts from CAS institutes, local institutes, and international agencies, to achieve a significant contribution to biodiversity conservation in Southeast Asian countries. SEABRI envisions to be an influential platform for networking scholars from China, Myanmar, and other Southeast Asian countries on tropical biodiversity research; a recognized research and conservation organization for biodiversity in Southeast Asia; and a platform for cooperation on research and education between China and other Southeast Asian countries.



[Initiative for Collective Conservation in Chinese Botanical Gardens \(ICCBG\)](#), well known as Chinese Union of Botanical Gardens (CUBG) in the past nine years, is the mechanism of coordination and collaboration between government department, with a view to promoting the development of botanical gardens and the ex-situ conservation in China. It gets support from

Chinese Academy of Sciences (CAS), National Forestry and Grassland Administration (NFGA), Ministry of Housing and Urban-Rural Development (MOHURD), Ministry of Ecology and Environment (MEE). The Steering Group is the decision-making body for ICCBG and is comprised of the executive leadership from the four supporting departments and some botanical gardens; Expert Consultation Committee, composed of senior experts from home

and abroad, will provide scientific guidance and advisory services for its operation and development of Chinese botanical gardens; ICCBG office is responsible for the day-to-day works and operates by the dual leadership of Bureau of Science and Technology for Development, CAS and affiliated institutions, and it now is attached to Xishuangbanna Tropical Botanical Garden, CAS.



**The International Bamboo and Rattan Organization (INBAR)** is an intergovernmental development organization that promotes environmentally sustainable development using bamboo and rattan. With over 40 of its member states from the Global South, INBAR has played a strong role in promoting South-South cooperation for the last 20 years. Since 1997, it has made difference to the lives of millions of people and environments around the world, with contributions in raising standards; promoting safe, resilient bamboo construction; restoring degraded land; capacity-building; and informing green policy and Sustainable Development Goal objectives.

INBAR has 48 member states. Its Secretariat is headquartered in China with regional offices in Cameroon, Ecuador, Ethiopia, Ghana, and India.



**The International Centre for Integrated Mountain Development (ICIMOD)** is an intergovernmental knowledge and learning centre working on behalf of the people of the Hindu Kush Himalaya (HKH). Founded in 1983, it is based in Kathmandu, Nepal and

works in and for our eight regional member countries – Afghanistan, Bangladesh, Bhutan, China, India, Myanmar, Nepal, and Pakistan.

ICIMOD works to improve the lives and livelihoods of men, women, and children of the HKH and protect mountain environments and cultures. The knowledge it creates and shares helps the people of the HKH become more resilient, make the most of new opportunities, and prepare for change. It aims to strengthen regional cooperation for conservation and sustainable mountain development.



**The Centre for Mountain Futures (CMF)**, formerly known as the Centre for Mountain Ecosystem Studies (CMES), is an applied research centre jointly managed by World Agroforestry (ICRAF) and the Kunming Institute of Botany, Chinese Academy of

Sciences. CMF leverages large-scale field research generated by its Innovation Centre in Honghe County of Yunnan Province to develop innovative solutions to ecological and social problems facing mountains and their communities, as well as the equitable distribution of scientific knowledge to enhance sustainable livelihoods in ecologically vibrant landscapes. CMF provides scientific and technological advisory for the sustainable development of mountain regions in Asia and highlands of East Africa.

In 2016, with support from the United Nations Academy of Sciences, Chinese Academy of Agricultural Sciences, UNESCO, UNEP and other institutions, CMF proposed the Mountain Futures Initiative platform to facilitate intercultural knowledge exchange, improve food security, and enable smart farming for the mountain communities. The Honghe Innovation Centre for Mountain Futures serves as a repository for woody germplasm resources, demonstrating the efficacy of composite agroforestry systems and build a circular system that integrates agronomy, forestry and animal husbandry while promoting the important role biomass recycling plays in ecological systems.