



# **TERMS OF REFERENCE (TOR)**

**THE FIRST INTERNATIONAL CONFERENCE OF  
FORESTRY AND ENVIRONMENT  
(1<sup>ST</sup> ICFE)**

**2024**

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### **1. RATIONALE**

Mitigating greenhouse gas emissions is of paramount importance to both developed and developing countries to reduce the impact of climate change. Forests play a crucial role in carbon sequestration, and their conservation and restoration are essential for achieving climate goals. In recent years however, carbon trading schemes have emerged as an economic tool to incentivize emission reductions. It is critical to find a balance between maintaining healthy carbon canopies and participating in carbon trade for sustainable development.

Alongside with other countries, Indonesia is dedicated to international commitment to regulate and maintain the earth's temperature within the range of 1.5 to 2.0 degrees Celsius compared to pre-industrial levels. This pledge was fulfilled by Indonesian Government by ratifying the 2015 Paris Agreement and carrying out the commitment by submitting a series of revised Nationally Determined Contribution (NDC) documents since 2016 to the currently being drafted Indonesia's 2<sup>nd</sup> NDC. Numbers of key adaptation programs in the forestry sector have been identified, including ecosystem and landscape resilience through sustainable forestry programs, ecosystem conservation and restoration, biodiversity protection and enhancement, etc. Based on the 2022 Updated NDC, Indonesia's commitment to reduce greenhouse gas emissions is increased from 29% to 31.89% unconditionally, and from 41% to 43.2% with international support by 2030. To achieve these targets, the government has implemented several strategies, including, among

others, protecting and restoring forests. The country's vast forests play a critical role in carbon sequestration and make significant progress in reducing deforestation rates and implementing forest restoration programs. These efforts help preserve the country's natural carbon sinks and contribute to maintaining ecological balance.

Several significant steps to reduce carbon emissions and prepare a legal framework for better governance of carbon emissions in the current 5 NDC sectors (Energy, Waste, Industry Processes and Product Use-IPPU, Agriculture and Forestry & Other Land Use-FOLU). The latest document of Indonesia's NDC document is the early draft of 2<sup>nd</sup> NDC which will include the preparation of the 6<sup>th</sup> sector, which is Ocean, or known as the Blue Carbon. Indonesia's 2<sup>nd</sup> NDC is scheduled to be submitted in October this year.

Along with the above commitments, the Government has stepped up its decarbonization efforts in the last 3 years by taking crucial measures to execute its ambitious climate action agenda which among others were (a) ratifying the international commitment of the net zero emission by 2060 or sooner; (b) issuing the Presidential Regulation No. 98 year 2021 on Carbon Economic Value within the framework of carbon pricing to achieve the Nationally Determined Contributions (NDCs). It is also meant to curb greenhouse gas emissions in national development policies, programs and plans (PPP), and (c) establishing an operational plan for Indonesia's Forest and other Land Use (FOLU) Net Sink 2030.

The introduction of the NDC led to changes in various aspects of forestry development through several corrective actions. Initially, there has been a noticeable decrease in the pace of deforestation and forest and land degradation because of different specific measures, such as (1) a moratorium on palm oil and a suspension of issuing permits for commercial activities in primary natural forests and peatlands; 2) permanent forest and land fires

prevention measures to address their adverse effects on the environment and society's social economy; 3) applying bio-geophysical principles such as environmental carrying capacity, watershed characteristics, and biodiversity in the management and utilization of forest areas; 4) integrating the principles of environmental carrying capacity into the current draft of the updated National Forestry Plan (RKTN), as the overarching framework for forestry development at national and subnational level up to 2030; 5) avoiding biodiversity loss by preserving habitats and safeguarding biodiversity; 6) ensuring that the KLHK (Ministry of Environment and Forestry)'s upcoming policy directions are in line with international commitments ratified by the Government of Indonesia, such as the SDGs, the Paris Agreement, the Aichi Biodiversity Targets, and efforts to control land degradation agreed in several conventions; 7) increasing resilience to climate by revitalize, restoring, and managing and peatlands, rehabilitating forests and preventing deforestation; 8) shifting the focus of forest management from wood management to ecosystem-based management and community-centred approaches.

To ensure high stakeholders' commitment and participation to the above measures, they should be incentive induced, or promoting economic growth while protecting the environment. The Government of Indonesia proposes a set of measures to initiate and manage carbon trading efforts or carbon economic value as a transition to a low-carbon economy. It started out by issuing a Presidential Regulation No. 98 Year 2021 on Carbon Economic Value or known as Carbon Trading, just weeks before the opening of the 26<sup>th</sup> Conference of Parties (COP) United Nations Framework Conference on Climate Change (UNFCCC) in Glasgow.

The Presidential Regulation was followed by derivatives regulations, such as the Minister of Environment and Forestry Regulation No 21 Year 2022 on the implementation and governance of carbon trading, results-based payment, and carbon tax. Another derivative regulation was the Minister of Environment and Forestry Regulation Number 7 of 2023 on the

implementation of carbon trading, emission offsetting for forestry sector, and non-tax revenue, which will be implemented through 22 (twenty-two) mitigation actions. The current practices to reduce greenhouse gas emissions and increase carbon uptake and absorption to manage sustainable forests should emphasize the welfare of forest-related communities and need to be one of the main attentions of national and subnational governments, academics, and private sectors, practitioners, and others. In line with that, the Forestry Study Program of Halu Oleo University is holding an international conference, themed **"Balancing Carbon and Canopy: Co-creating of Enhanced Carbon Uptakes and Managing Carbon Trade."**

This international conference aims to bring together academics, researchers, policymakers, practitioners, and other stakeholders to discuss how to achieve and manage this canopy-carbon balance. The conference will provide a platform for knowledge sharing, best practices exchange, and the development of effective strategies for carbon canopy conservation alongside carbon trade management.

## **2. CONFERENCE OBJECTIVES**

There are several objectives of this conference, aimed to:

- Explore the scientific, social, and economic aspects of balancing carbon canopy and carbon trade.
- Foster dialogue and collaboration among academics on sustainable forest management practices.

## **3. CONFERENCE TOPICS AND SUB-TOPICS**

Theme of this International Conference will be on **Balancing Carbon and Canopy: Co-creating of Enhanced Carbon Uptakes and Managing Carbon**

**Trade.** It is then divided into a number of sub-topics to cover all related issues that coincide with the main topic:

1. Sustainable Forest Management
2. Biodiversity and Conservation
3. Silviculture and Forest Restoration
4. Latest Innovations and Technologies for Environmentally-friendly Landscape Management and Carbon-friendly Forest Products
5. Global Warming, Climate Change and Green Economy

#### **4. TARGET AUDIENCE**

Academics and Researchers from Forestry, Environmental Science, Natural Science, Agriculture, Fishery, Animal Science, Engineering, Economics, Law, Social Sciences, and Related Fields.

#### **5. CONFERENCE PROGRAM**

The conference program will include keynote and invited speakers' presentations, paper presentations, and poster sessions,

The program will be designed to encourage active participation and knowledge exchange among all participants.

##### **1. Keynote Speakers:**

- Prof. Dr. Muhammad Zamrun Fihiru, S.Si., M.Si., M.Sc.
- Prof. Wan Mohd Nazri Wan Abdul Rahman (UiTM Malaysia)

##### **2. Invited Speakers**

- Assoc. Prof. Takahiro Fujiwara (Kyusu University of Japan)
- Valeria Verrone (National University of Singapore)
- Prof. Ir. Rizaldi Boer, MS., M.Agr., Ph.D (CCROM-SEAP IPB University)
- Prof. Dr. Ir. Samuel Arung Paembonan, M.Sc (Hasanuddin University)
- Niken Pujirahayu Ph.D (Halu Oleo University)

The conference will be conducted by following the tentative agenda.

No	Time (CIT)	Agenda	Moderator/PIC
1	07.30- 08.00	Registration	Organizing Committee
2	08.00-09.00	Opening Ceremony	Master of Ceremony (MC)
		<ul style="list-style-type: none"> <li>- Singing the National Anthem of Indonesia</li> <li>- Singing Universitas Halu Oleo Hymn</li> <li>- Welcome Dance</li> <li>- Committee Chair Report</li> <li>- Welcome Speech by Dean Faculty of Forestry &amp; Environmental Sciences of Universitas Halu Oleo</li> <li>- Opening Speech by Rector of Universitas Halu Oleo</li> <li>- Recitation of Prayers by Mr. La Ode Agus Salim Mando</li> </ul>	Mrs. Ramdhani/MC
3	09.00 – 09.20	Coffee Break	MC / Hotel Staff
4	09.20 – 10.00	Presentation of Keynote Speakers 1. Prof. Dr. Muhammad Zamrun Firihi, S.Si., M.Si., M.Sc. (Rektor Universitas Halu Oleo) 2. Prof. Dr. Wan Mohd Nazri Wan Abdul Rahman (Deputy Rector for Research & Industrial Linkages of University Technology Mara, Malaysia)	Dr. Basrudin, SP., M.Si
5	10.00 – 10.20	Q & A + Presentation of mementos and certificates of appreciation	Dr. Basrudin, SP., M.Si & MC
6	10.20 – 11.30	Plenary Session 1. Assoc. Prof. Takahiro Fujiawara, Ph.D. (Faculty of Agiructure, Kyusu University) 2. Valeria Verrone Ph.D (National University of Singapore) 3. Prof Rizaldi Boer (CCRUM From IPB) 4. Prof. Samuel Arung Paembonan (Faculty of Forestry - Universitas Hasanuddin, Makassar) 5. Niken Pujirahayu, S.Hut, MP., Ph.D. (Faculty of Forestry & Environmental Sciences of Universitas Halu Oleo, Kendari)	Amar Maruf, S.Pi. M.Sc
7	11.30 – 12.00	Q & A + Presentation of mementos and certificates of appreciation	Amar Maruf, S.Pi., M.Sc & MC

9	12.00 – 13.00	Break, Praying & Lunch	MC
10	13.00 – 15.15	<ul style="list-style-type: none"> <li>- Oral Presentation (Group 1 – 6)</li> <li>- Poster Presentation (Group 1 – 6)</li> </ul>	<p>Group 1 (Sustainable Forest Management): Dr. Satya Agustina Laksanany, S.P., M.Sc.</p> <p>Group 2 (Biodiversity &amp; Conservation): Dr. Ridwan Adi Surya, S.Si., M.Si</p> <p>Group 3 (Silviculture &amp; Forest Restoration): Dr. Danu Tuheteru, S.Hut., M.Si</p> <p>Group 4 (Carbon-Friendly Forest Products Technology Innovation): Nurhayati Hadjar, S.Hut., MP.</p> <p>Group 5 (Environmentally Friendly Land Management Technology Innovation): La Ode Muhammad Erif, S.Si., M.Sc.</p> <p>Group 6 (Global Warming &amp; Climate Change): Amar Maruf, S.Pi., M.Sc)</p>
11	15.15 – 15.30	Coffee Break & Praying	MC
12	15.30 – 17.30	<p>Closing Ceremony</p> <ul style="list-style-type: none"> <li>- Announcement of the best oral and poster presenters and award presentation</li> <li>- Closing Speech by Dean Faculty of Forestry &amp; Environmental Sciences of Universitas Halu Oleo, Kendari</li> <li>- Photo Session</li> </ul>	Dr. Ridwan Adi Surya, S.Si., M.Si & MC

## 6. CONFERENCE OUTPUTS

- A special issue of a peer-reviewed journal dedicated to the conference theme / IOP PUBLISHING SERIES.
- Increased awareness and adoption of interdisciplinary research practices in carbon uptake and trade
- Identification of promising areas for research collaborations with various universities and institutions



## 7. CONFERENCE ORGANIZERS

The conference is organized by the Forestry Study Program of Halu Oleo University

## 8. CONFERENCE SCHEDULE AND VENUE

The 1<sup>st</sup> International Conference of Forestry and Environment (1<sup>st</sup> ICFE) “*Balancing Carbon and Canopy: Innovating Strategies for Enhanced Carbon Uptake and Trade*” will be organized in October 9, 2024. . The Venue of the International Conference and Call for Papers is in the Claro Hotel, Kendari.

## 9. CALL FOR PAPERS

A call for papers will be issued inviting interested scholars and practitioners to submit abstracts on relevant topics. The deadline for submission of will be September 1, 2024.

Abstract Submissions are now open for the following categories:

- Posters (instructions will be sent after acceptance of abstract)
- Oral Presentations (10 minutes)

### Guidelines for Abstract Submissions

Abstracts for the International Conference on “**Balancing Carbon and Canopy: Innovating Strategies for Enhanced Carbon Uptakes and Managing Carbon Trade**” are open for submission from until June 30, 2024.

When submitting your abstract, you will be asked to do the following:

- Provide a title of your presentation/poster
- An abstract of up to 500 words - this should include your objectives, methods, results, and conclusion
- Authors and their affiliations
- Your preference for type of presentation (oral presentation or poster)

There are two methods to submit your abstract:

- Submit your abstract through the form at the bottom of this page. Please ensure that you complete all fields in the form before submitting.
- Complete the Abstract Submission Form document and send the completed document directly to [icfe1@uho.ac.id](mailto:icfe1@uho.ac.id) with the subject line: 'Abstract\_ <first author surname and first initial>'.

Notifications of acceptance or rejection of abstracts will be sent out via email by July 15, 2024. All presenters whose abstracts are accepted must respond to the acceptance email in order to confirm their participation. All presenters are required to complete their registration by paying the registration fee no later than September 25, 2024. Guidelines for posters and presentations will be emailed to all accepted presenters.

## 10. PARTICIPANTS

Participants of the conference include:

- a. Lecturers
- b. Undergraduate, Graduated, and Doctoral Students
- c. Education practitioners

## 11. TIME AND VENUE

This conference will be held on October 9, 2024, in person at the venue and using zoom platform for online. The conference encourages participants to present relevant and insightful perspectives that add further context to key talking points.

## 12. IMPORTANCE DATES

- May 15 – October 8, 2024 : Open Registration
- May 15 – June 30, 2024 : Abstract Submission
- July 1 - September 1, 2024 : Full Paper and Poster Submission
- September 15, 2024 : Notification of Paper

- September 25, 2024 : Acceptance : Conference Payment Deadline
- October 9, 2024 : Conference Date

### 13. PAYMENT FEE & BENEFITS

Presenter (General) : IDR 500,000 (Online) / IDR 600,000 (Offline)

Presenter (Student) : IDR 300,000 (Online)/ IDR 400,000 (Offline)

Participant (General) : IDR 150,000 (Online)/ IDR 250,000 (Offline)

Participant (Student) : IDR 75,000 (Online)/ IDR 100,000 (Offline)

Poster : IDR 200.000

Proceeding : IDR 2,900,000

Payment fee at Bank Centra Asia (BCA): 7911143805

Account holder's name: Surya Ramadhan Cipta Kete

Conference Facilities:

- a. Conference Proceeding
- b. Conference Kit
- c. Certificate
- d. Snack and Lunch
- e. Research Networks

#### Further info:

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