



Geospatial Information Agency



Ministry of Agriculture



Agency for
the Assessment and Application of Technology



Food and Agriculture Organization
of the United Nations

Workshop on Thematic Geospatial Information in Tropical Peatland for Agriculture

One Map Policy

for supporting

Tropical Peatland Sustainable Development

TERM OF REFERENCE (TOR)

WORKSHOP ON THEMATIC GEOSPATIAL INFORMATION IN TROPICAL PEATLAND FOR AGRICULTURE

Theme:

“One Map Policy for Supporting Tropical Peatland Sustainable Development”

I. BACKGROUND

Indonesia as an archipelagic country with the fourth largest peat swamp land in the world has about 20 million ha after Canada (170 million ha), Soviet Union (150 million ha), and the United States (40 million ha). But apparently, widespread reports of tropical peatlands in Indonesia varies between 13.5 26.5 ha (average of 20 million ha). The spread of peatlands is mostly found in Sumatra, Kalimantan and Papua. Most of peatland in Indonesia has been utilized for various purposes, such as for agriculture. This sector is a key factor for stabilizing food security in Indonesia.

Related to global climate change, peatland has significant role in contributing to greenhouse gas emission. As stated by President Susilo Bambang Yudoyono in a speech to G20 leaders on September 25, 2009, Pittsburg, USA; The government of Indonesia pledged to reduce carbon emission by 26 percent by 2020 from “business as usual” (BAU) levels. From this effort, it is predicted that almost 80 percent of carbon emission is contributed by carbon emission from peatland. The success of reducing carbon emission is one of indicators in the achievement of sustainable development induced by the impact of global climate change. To achieve in reducing carbon emission by 26 percent, the government of Indonesia has initiated many policies, such as Presidential Instruction No. 10/2011 and No. 6/2013 on Moratorium of Primary Forest and Peatland Concession and Initiative Reducing Emission from Deforestation and Forest Degradation (REDD+) Task Force.

In Indonesia, there are numerous products of inventory and mapping of peatland generated by various national or local institutions and also from non government organization (NGO).

Secretariat

Geospatial Information Agency,

Jl. Raya Jakarta Bogor, Km 46, Cibinong – Bogor, West Java - Indonesia



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It covers the conventional map (non-digital) or digital maps. However, those maps are not yet integrative composed and used between the institutions. Redundancies are frequently found among the maps, causing inefficiency budget. Thus, a systematic coordination and synergy among the institutions of geospatial information providers are of vital importance. This effort supports the one map policy which was initiated by the government. One map policy refers to the implementation of single spatial reference, mapping standard, database and geoportal.

Further, the one map policy is significant in supporting the sustainable peatland management practices. The sustainable peatland management practices in agriculture conducted by related ministries/agencies play a vital role in reducing carbon emission. Through one map policy, the peatland geospatial data in various related agencies/ministries will be one map, meaning that there will be one agreed map for peatland.

Those backgrounds become a starting point for Geospatial Information Agency (BIG); Agency for the Assessment and Application of Technology (BPPT); Indonesian Agency for Agricultural Research and Development (IAARD), Ministry of Agriculture; and Food and Agriculture Organization, United Nations (FAO-UN) to host an international workshop entitled “*One Map Policy for Supporting Tropical Peatland Sustainable Development*”. This workshop will bring together stakeholders and scientists from many different backgrounds and many countries.

II. Objectives

1. To share various experience in peatland mapping from different background and formulate them into a comprehensive approach to goal One Map Policy;
2. To facilitate the information and technology exchange in terms of peatland management for agriculture;
3. To raise awareness of the importance for developing new updated national inventory and mapping of tropical peatland based on existing data, standardized of method used for the assesment tropical peatland.



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III. Host

1. Geospatial Information Agency (BIG);
2. Agency for the Assessment and Application of Technology (BPPT); and
3. Indonesian Agency for Agricultural Research and Development (IAARD), Ministry of Agriculture.
4. Food and Agriculture Organization of the United Nations (FAO)

IV. Date and venue

November 7-8, 2013

IPB International Convention Centre, Bogor

V. Participants

Participants countries:

- Indonesia (Ministry of Agriculture, R&D Agency, BIG, BPPT, Ministry of Marine Affairs and Fisheries - Research Center for Brackish Water Fisheries; co-organizers)
- Brunei Darussalam
- Malaysia
- Papua New Guinea
- Thailand

International Agencies:

- Food and Agriculture Organization (FAO)
- The Association of Southeast Asian Nations (ASEAN)
- Asian Development Bank (ADB)
- Japan International Cooperation Agency (JICA)
- International Chamber of Commerce (ICCC Indonesia)
- Center for International Forestry Research (CIFOR)
- Wetlands International Indonesia
- Intergovernmental Panel on Climate Change (IPCC)
- Economic and Social Commission for Asia and Pacific (UNESCAP)



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- Greenpeace Indonesia
- Conservation International Indonesia
- WWF Indonesia

Ministries and Agencies of Indonesia:

- Presidential Work Unit on Monitoring and Controlling Development (UKP4)
- Kementerian Negara Perencanaan Pembangunan Nasional/Badan Perencanaan Pembangunan Nasional (Kementerian PPN/BAPPENAS)
- Kementerian Kehutanan
- Kementerian Lingkungan Hidup
- Kementerian Dalam Negeri
- Badan Pusat Statistik
- Kementerian Tenaga Kerja dan Transmigrasi
- Kementerian Pekerjaan Umum
- Lembaga Penerbangan dan Antariksa Nasional (LAPAN)
- Kementerian Koordinator Bidang Kesejahteraan Rakyat
- Badan Pertanahan Nasional
- Kementerian Energi dan Sumber Daya Mineral

Local Governments of Indonesia:

- Sumatera: NAD, Sumatera Utara, Riau, Kepulauan Riau, Sumatera Selatan, Bengkulu, Jambi, Lampung,
- Kalimantan: Kalimantan Barat, Kalimantan Tengah, Kalimantan Selatan, Kalimantan Timur
- Papua: Papua, Papua Barat

Professional Association and Private Companies:

- National Association of Consulting Professionals Indonesia (INTAKINDO)
- Environmental Professional Association of Indonesia (IPLHI)



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- Asosiasi Kontraktor Landscape Indonesia (AKLANI)
- Asosiasi Kontraktor Sumber Daya Air Indonesia (AKSDAI)
- Asosiasi Kontraktor Tata Lingkungan Indonesia (AKTALI)
- Masyarakat Ahli Penginderaan Jauh Indonesia (MAPIN)
- Asosiasi Perusahaan Survei Pemetaan dan Informasi Geospasial (APSPIG)
- Forum DAS
- Masyarakat Konservasi Tanah dan Air
- Masyarakat Hidrologi Indonesia
- Perhimpunan Masyarakat Pertanian Indonesia
- PT. Andira Karya Persada
- PT. Agrisoft Citra Buana
- PT. Bhumi Prasaja
- PT. Geodinamik Konsultan
- PT. Geotrav Bhuana Survey
- PT. Sarana Prima Data
- PT. Shiddiq Sarana Mulya
- PT. Samagatha Triptayasa
- PT. Tri Tunggal Selaras
- PT. Waindo Specterra

Universities:

- Bogor Agriculture Institute (IPB)
- Bandung Technology Institute (ITB)
- Gadjah Mada University (UGM)
- Indonesia University (UI)
- Lampung University (UNILA)
- Mulawarman University (UNMUL)
- Lambung Mangkurat University (UNLAM)
- Sriwijaya University (UNSRI)



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- Jambi University (UNJAM)
- Cendrawasih University (UNCEN)

VI. Speakers

Opening Ceremony:

1. Addressed by: Organizing Committee
2. Addressed by: Food and Agriculture Organization
3. Addressed by: Chairman of Geospatial Information Agency
4. Addressed by: Minister of Research and Technology

Keynote Sessions:

1. Director General of the Indonesian Agency for Agricultural Research and Development (IAARD), Ministry of Agriculture
2. Presidential Work Unit on Monitoring and Controlling Development (UKP4)

Technical Presentation:

1. Water Management for Climate Change Mitigation and Adaptive Development in Low Lands (WACLIMAD), National Development Planning Agency
2. Ministry of Environment
3. Ministry of Forestry
4. Ministry of Public Works
5. Agency for the Assessment and Application of Technology
6. Wetlands International
7. International Union for Conservation of Nature (IUCN) UK Peatland Programme
8. Centre for International Forest Research (CIFOR)
9. Universities
10. Others



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VII. Time schedule

Day 1	
8:00 - 09:00	Registration
9:00 - 10:00	OPENING 1. Address by : Organizing Committee 2. Address by : Minister of Agriculture 3. Address by : Food and Agriculture Organization 4. Special Lecture by : Rachmat Witoelar
10:00 - 10:15	Coffee Break and Press Conference
10:15 - 11:15	KEYNOTE SESSION 1. Keynote : Director General of the Indonesian Agency for Agricultural Research and Development (IAARD), Ministry of Agriculture 2. Keynote : Presidential Work Unit on Monitoring and Controlling Development (UKP4)
11:15 - 12:30	TECHNICAL PRESENTATION 1. A. Hooier (DELTARES Netherland) 2. Prof. Mitsuru Osaki (Hokkaido University Japan) 3. The Biennial Update Report and Agriculture and Climate Change: Science and Policy Contexts. MAGHG Project (F. Tubiello, FAO) 4. National information system in support to the preparation of BURS (R. Córdor, FAO)
12:30 - 13:30	Break Session
13:30 - 17:00	PEAT LAND MAPPING ISSUE 1. National Standard of Peat land Mapping (Geospatial Information Agency and Ministry of Agriculture) 2. Wetlands International 3. IPCC Guidelines for Agriculture, Forestry and Other Land Use (<i>TBD</i>) 4. IUCN UK Peatland Programme 5. Ministry of Forestry
13:30 - 17:00	GHG 1. Water Management for Climate Change Mitigation and Adaptive Development in Low Lands (WACLIMAD), National Development Planning Agency 2. Agency for the Assessment and Application of Technology 3. Centre for International Forest Research (CIFOR) 4. Ministry of Public Works 5. Ministry of Environment
19.00 - 21:00	Dinner Reception Address by : Chairman of Geospatial Information Agency Address by : Minister of Research and Technology



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Day 2	
9:00 - 12:30	TECHNICAL PRESENTATION (EXPOSE) 1. Peatland mapping in Indonesia to Support One Map Policy (IAARD) 2. Sustainable Management of Degraded Peatland (IAARD) 3. Agroforestry Approach in peatland management (ICRAF) 4. Sustainable Peatland management for Fisheries
12:30 - 13:30	Break Session
13:30 - 17:00	TECHNICAL PRESENTATION (WORKING GROUP) 1. Assessing GHG emissions and identifying mitigation opportunities in AFOLU (FAO, countries) 2. Main GHG issues in AFOLU – knowledge and data gaps – Indonesia 3. Main GHG issues in AFOLU – knowledge and data gaps –PNG 4. Main GHG issues in AFOLU – knowledge and data gaps –Malaysia 5. Main GHG issues in AFOLU – knowledge and data gaps –Brunei
13:30 - 17:00	TECHNICAL PRESENTATION (WORKING GROUP) 1. The utilization of the estimations of GHG emissions from Agriculture in the preparation of NAMAs (FAO, countries) 2. A NAMA case for Indonesia – peatlands 3. A NAMA case for Malaysia 4. A NAMA case for PNG 5. A NAMA case for Brunei
17:00 - 17.30	CLOSING CEREMONY

VIII. Steering committee

Advisory committee:

The Head of Geospatial Information Agency (BIG)
 The Head of Agency for the Assessment and Application of Technology (BPPT)
 The Head of Indonesian Agency for Agricultural Research and Development (IAARD),
 Ministry of Agriculture

Advisory Secretary:

Deputy of Geospatial Thematic Information, Geospatial Information Agency



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Chairman:

Geospatial Information Division

Head of Mapping and Thematic Integration Centre, Geospatial Information Agency

Technology Exhibition Division

Head of Indonesian Agency for Agricultural Research and Development (IAARD), Ministry of Agriculture

Peatland Division

Bambang Setiadi (BPPT)

Secretary:

Retno Wulan (Geospatial Information Agency)

Diah Faradia S. (Geospatial Information Agency)

Seta R. A. (Ministry of Agriculture)

Conveners:

Aris Haryanto (Geospatial Information Agency)

Eka Kurniawan (Geospatial Information Agency)

Suseno Wangsit Wijaya (Geospatial Information Agency)

Taufik Hidayatullah (Geospatial Information Agency)

Rahmat Nugroho P. (Geospatial Information Agency)

Edi Husen (Ministry of Agriculture)

Haris Syahbuddin (Ministry of Agriculture)

Secretariat

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