

CONCEPT NOTE

LAUNCHING SMART PATROL INFORMATION SYSTEM AND NATIONAL SEMINAR ON FOREST AND LAND FIRE PREVENTION

Dates: 29-30 June 2022

Venue: Hybrid: IPB Convention Center-Bogor and Zoom Link -

Organizers: IPB University and Ministry of Environment and Forestry, Indonesia

Supported by: International Tropical Timber Organization (ITTO), Japan

Introduction

The Government of Indonesia has carried out many strategies, policies and programmes to control and overcome recurrent forest and land fire disasters. Fire prevention has been highly emphasized, among others, and the efficient and effective implementation of fire prevention patrols have been recognized as a high priority by many stakeholders. Activities of fire prevention patrol include independent patrol, routine patrol, and integrated patrol. Those fire prevention patrols are executed by the fire brigade (Manggala Agni) both independently and collaborated with stakeholders, including Army, Police, Village Government, and the community itself. There has been a challenge on how to increase the contribution of key stakeholders, including local communities, in data and information collection and reporting on the fire site.

In terms of supporting standardization and efficiency of data-information management and reporting mechanisms of fire prevention patrol; Faculty Mathematics and Natural Science-IPB University in collaboration with Directorate of Forest and Land Fire Management-MoEF has developed an information system for that purpose called System Monitoring and Reporting Technology for Fire Prevention Patrol (SMART Patrol Information System). The development of the system is jointly funded by the ITTO Fire Project (PP-A/56-340-1 Capacity Building on Forest and Land Fire Management in Indonesia) and the Education Fund Management Institution-Ministry of Finance of Indonesia.

The development of SMART Patrol Information System has been carried out for the last 2 years, starting with collecting data on fire prevention patrols, developing a manual for parameter measurement, and continuing with the development of the information system in the form of android mobile application and web-based application. The wider application and continuous improvements of the SMART Patrol Information System developed by IPB University are essential to strengthen the forest and land fire prevention systems in Indonesia.

Objective

The national workshop will be an important opportunity to share practical experiences on fire prevention in terms of policy and social aspects, as well as technological innovations. It will engage various speakers from the MoEF, research institutes, NGOs and the private sector. The workshop will launch the SMART Patrol Information System for wider application to support the implementation and reporting of fire prevention patrols. It also aims to receive feedback and make recommendations to facilitate the efficient and effective application of the SMART Patrol Information System in the context of promoting integrated forest and land fire prevention policies and programmes in Indonesia.

Output

- 1) Launching SMART Patrol Information System
- 2) National Seminar on Forest and Land Fire Prevention
- 3) Publication

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DRAFT PROGRAMME

Day 1 (Hybrid) : Wednesday, 29 June 2022

Venue/Platform : IPB Convention Center-Bogor dan Zoom

Time	Agenda
08.00 – 08.30	Registration
08.30 – 09.00	Report from Organizing Committee
	Presentation: 1st session Moderator: Dr. Israr Albar, S.Hut., M.Sc. Directorate of Forest and Land Fire Management, MoEF
09.00 – 09.20	Policy on Forest and Land Fire Management in Indonesia R. Basar Manullang Director of Forest and Land Fire Management, MoEF
09.20 – 09.40	Tropical Forest Fire Management Dr. Hwan-Ok MA Officer in Charge, Division of Forest Management, International Tropical Timber Organization (ITTO)
09.40 – 10.00	Regional Cooperation on Fire Prevention Prof. Dr. Ir. Bambang Hero Saharjo, M.Agr* Regional Fire Management Resource Center – South East Asia (RFMRC-SEA)
10.00 – 10.20	Discussion
10.20 – 10.40	Coffee break
	Presentation: 2nd session Moderator: Dr. Ir. Omo Rusdiana, MSc* Head of Silviculture Department, IPB University
10.40 – 11.00	Social Approaches on Fire Prevention Prof. Dr. Ir. Lailan Syaufina, M.Sc IPB University
11.00 – 11.20	Manajemen dan Restorasi Gambut dalam Mendukung Pencegahan Karhutla Dian Nur Amalia, S.Hut, M.Si Head of Working Group, Agency of Peatland Restoration and Mangrove (BRGM)
11.20 – 11.40	Support National Board for Disaster Management (BNPB) on Fire Management Dr. Raditya Jati, S.Si., M.Si Deputi of System and Strategy, National Board for Disaster Management
11.40 – 12.00	Discussion
12.00 – 13.30	Break

	Presentation: 3rd session Moderator: Dr. Ir. Omo Rusdiana, MSc.
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Time	Agenda
	Head of Silviculture Department, IPB University
13.30 – 13.50	Implementation of Remote Sensing Technology on Fire Prevention Dr. Rahmat Arief, Dipl. Ing Acting Head of Remote Sensing Research Center, National Research and Innovation Agency (BRIN)
13.50 – 14.10	Innovation on Supporting Fire Prevention Dr. Danang Eko Nuryanto Meteorology, Climatology, and Geophysical Agency (BMKG)
14.10 – 14.30	Break
LAUNCHING SMART PATROL INFORMATION SYSTEM	
14.30 – 15.00	<ul style="list-style-type: none"> • Remarks from Head of Research Institute and Community Service IPB University (Dr. Ir. Ernan Rustiadi, M.Agr.) • Remarks from Director General of Climate Change, MoEF (Ir. Laksmi Dhewanthi, M.A.)
15.00 – 15.20	<ul style="list-style-type: none"> • Foreword from Dean of Faculty and Natural Science, IPB University* • Launching of SMART Patrol Information System by Rector of IPB University* and Director General of Climate Change, MoEF
15.20 – 15.40	SMART Patrol Information System Prof. Dr. Imas Sukaesih Sitanggang, S.Si, M.Kom. IPB University
15.40 – 15.50	Video of SMART Patrol Information System
15.50 – 16.30	Coffee break and Press Conference

Day 2 (Hybrid) : Thursday, 30 June 2022

Platform : Virtual (Zoom)

Time	Agenda
08.00 – 08.30	Registration
	Presentation: 3rd session Moderator: Anis Susanti Aliati, S.Hut, M.Si Directorate of Forest and Land Fire Management, MoEF
08.30 – 08.50	Role of Information Technology on Fire Prevention Prof. Dr. Imas Sukaesih Sitanggang, S.Si, M.Kom. (IPB University)
08.50 – 09.10	Implementation of Land Preparation Without Burning Indonesian Palm Oil Association (GAPKI)*
09.10 – 09.30	Community Participation on Fire Prevention Indonesian Forest Entrepreneur Association (APHI)*
09.30 – 09.50	Discussion
09.50 – 10.00	Coffee break
10.00 – 12.00	Parallel Session 1 st Parallel Session : Presentation papers of Policy and Social Approach on Fire Prevention 2 nd Parallel Session: Presentation papers of Technology Innovations on Fire Prevention
12.00 – 12.25	Announcement of best presenters
12.25 – 12.30	Closing

*to be confirmed