

ASEAN Peatland Forests Project: Fifth Project Management Meeting

**Indonesia-Singapore Collaboration
on Jambi Province:
SDWA-NEA Jambi Peatland Project**

**National Environment Agency (NEA)
Singapore**



Background

- Singapore collaborated with Indonesia to develop a Master Plan to deal with land and forest fires in Jambi Province
 - Muaro Jambi Regency was locale selected for development of Master Plan
- Master Plan jointly developed by Singapore, Indonesia's State Ministry of Environment and Jambi Provincial Government in April 2007
- Master Plan involves 9 Action Programmes
- Singapore and Muaro Jambi Regency commenced implementation of APs upon signing of LOI on 7 Nov 2007.
- 9 Action Programmes have since been completed.

Action Programmes

	Project Description	Completion Date
1	Develop the capacity of Jambi Officers in reading and interpreting satellite pictures for hotspot information	Mar 08
2	Socialisation workshop on sustainable farming and zero-burning practices	Apr 08
3	Development of land use map for Muaro Jambi Regency	Jun 08
4	Installation of a Geographical Information System (GIS) to support regional fire and haze monitoring and assessment	Jul 08
5	Review of fire prevention and suppression capability and capacity of plantation companies, local communities and relevant stakeholders	Dec 08
6	Training on Fire-Fighting and Suppression Capabilities	Aug 09
7	Develop Fire-Danger Rating System (FDRS) for Muaro Jambi Regency	Dec 08
8	Freshwater Aquaculture Training	Feb 10
9	Peatland Management Project	Jun 11

**Singapore Delft Water Alliance (SDWA)-
National Environment Agency (NEA) Jambi
Peatland Project:**

**Peatland Management Knowledge Base and
Training Programme**

Peatland Management Programme

- To investigate methods of sustainable peatland and water management.
- 3 types of activities:
 - Conducting field monitoring activities
 - Awareness-raising activities including 2 technical workshops
 - Collaboration with international experts on peatland management to develop training programmes

Peatland Management Programme

- Field monitoring activities
 - Monitoring of peat subsidence at the demonstration sites in Muaro Jambi Regency
- Technical workshops for government officials and relevant stakeholders held in Jambi Province in August 2009 and July 2010
 - Sharing expertise and knowledge on sustainable peatland management and awareness raising.
 - Examination of issues surrounding spatial planning of peatland use.

Peatland Management Programme: Deliverables

- Engagement of locals in:
 - Installing dipwells and rain gauges
 - Recording bi-weekly measurements of water tables levels, canal water levels, peat subsidence and daily rainfall levels
- Field monitoring activities helped educate Jambi planners on the impacts of poor water management in peatlands

Peatland Management Programme: Deliverables

- Research and data obtained from demonstration sites developed into guidance material for best practice peatland management:
 - Introduction Guidelines for Sustainable Land Use Planning and Management in Jambi Peatlands

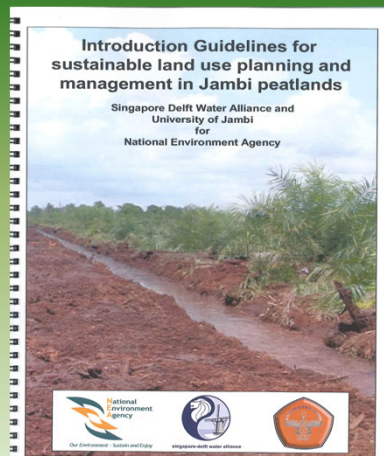
Peatland Management Programme



Peatland Management Programme



Introduction Guidelines for Sustainable Land Use Planning and Management in Jambi Peatlands



Introduction Guidelines for Sustainable Land Use Planning and Management in Jambi Peatlands

- Introductory overview into how tropical peatlands function and how they could be managed.
- Presentation of findings from field research in Jambi.
- Recommendation of peatland management approach based on developed principles.
- Guidelines are developed with intention that they are applicable beyond the Jambi context

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ASEAN Specialised Meteorological Centre (ASMC)



ASMC: Supporting the APFP

- Recognise that sustainable management of peatlands is important to tackle threat of peatland fires and transboundary haze pollution.
- Offered to provide technical expertise in the area of interpreting satellite imagery & monitoring hotspots over peatlands.



Development of the ASEAN Peatland Fire Prediction and Warning System (FPWS) under APFP

- ASMC's daily hotspot monitoring identified as key component for the monitoring capability of the system.
- In 2008, ASMC will look into overlaying hotspot data onto peatland data but required GEC to provide ASMC with geo-referenced peatland data to proceed.



ASMC Update

ASMC has been working with GEC to obtain peatland distribution maps for the ASEAN region.

2007

- ASMC requested GEC to provide peatland GIS data

2008 -
2010

- GEC provided ASMC with peatland data but the files were not in the requested format
 - i.e. Data not in appropriate GIS format

2011

- GEC provided ASMC with another set of data
- Missing geo-reference information (i.e. no latitude/longitude information for the peat overlay)

In August 2011, GEC informed they will be contacting their Indonesian counterparts to provide the geo-referencing data if it is available, otherwise to revert to Consultant that did the study.

