

FDRS Discussion Session with Malaysian Agencies

Who uses the system at present

- **Current users**

- Forestry Department
- Department of Environment (DOE)
- Natural Resources and Environment Board (Sarawak)
- Department of Agriculture (DOA)
- Fire and Rescue Department

Who uses the system at present (cont'd)

- Potential future users
 - Plantations (FELDA, Sime Darby, MPOB, LGM, etc.) –
 - Drainage and Irrigation Department (DID)
 - Mineral and Geoscience Department (MGD)
 - BKN – act as planning and coordination, came in when needed
 - Universities
 - State government
 - Local government
 - NGOs
 - Local communities

How the user use the application

- Current user
 - Forestry Department/DOE
 - use for patrolling the forest reserve related to fire prevention
 - DOE/ NREB (Sarawak)
 - as an additional information to approve the large scale burning/ controllable burning
 - Fire Department
 - fire mitigation

How the user use the application (cont'd)

- **Potential use for new user**
- DOA
 - fire prevention in agriculture area
- DID
 - to check the dam water level in peat areas
- MGD
 - tube well and fire prone operation

How the user use the application (cont'd)

- BKN
 - drought operation
- Universities
 - use for prediction modeling
 - long term risk and vulnerability, susceptibility
- State government
 - fire prevention & resource allocation
 - disaster unit

How the user use the application (cont'd)

- NGOs
 - awareness
 - fire prevention
- Local communities
 - education
 - fire prevention
- Local government
 - prevention
 - patrolling
 - resources
 - awareness

How to outreach/promote

- exhibition
- forums (e.g. Climate forum)
- road shows
- training courses
- workshops
- mass media – TV news/ newspaper/ social network/ radio
- billboard/ signboard (e.g. DOE, Forestry department)

Inclusion in SOP for fire prevention and fire control

- DOE already have the SOP under the Peatland programme which is based on the rainfall. MMD can send report daily to ensure continuous monitoring.
- FDRS can be used to decide the size of the patrolling team based on the FDRS level such as medium, high etc.
- DOE can use the FDRS as a trigger data (supportive data) in their SOP.
- Action – Modification of DOE SOP to better include revised FDRS system.
- Development of Generic SOP for FDRS

Steps for Malaysia to refine the national system

- Using open source/updated software from Canada
- Evaluate to use radar data for areas with few AWS
- Long term forecasting – can link to development of
 - susceptibility map
 - hazard map
 - risk map
 - vulnerability map
- Short term forecasting (1 – 3 days)
- Overlay of fire prone areas for FDRS system
- Overlay of forest reserves
- Report results of workshop to Jawatan Kuasa Tindakan Kebangsaan 22 March 2012
- Report to Regional workshop in Brunei on 23 March
- Include FDRS in World Meteorological day activities
- Include FDRS in outreach and education programme of MMD and other agencies



THANK YOU