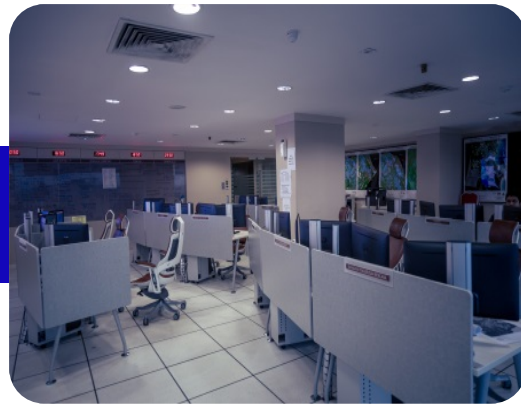




AGENCI PENGURUSAN BENCANA NEGARA  
JABATAN PERDANA MENTERI

# MYDIMS

## NATIONAL DISASTER MANAGEMENT SYSTEM (NDCC)

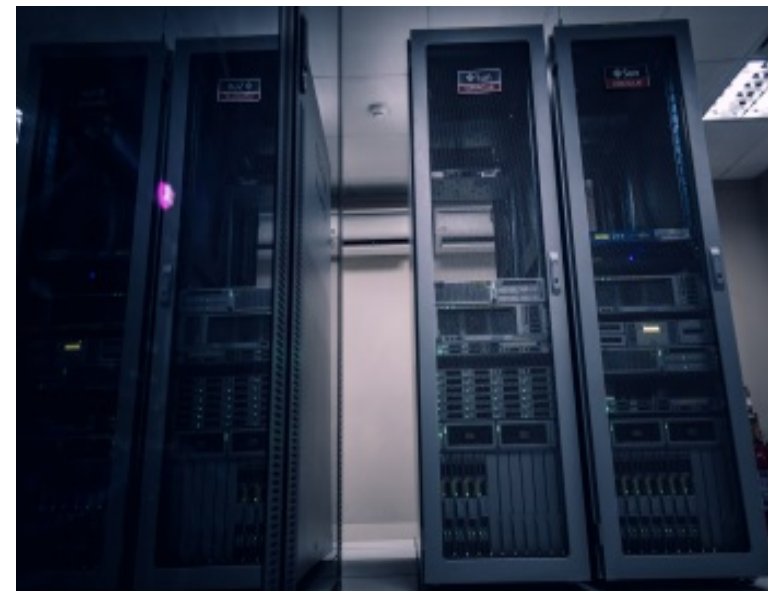




AGENSI PENGURUSAN BENCANA NEGARA  
JABATAN PERDANA MENTERI

# INFRASTRUCTURES

- National Disaster Command Center
- Disaster Management Coordination Center



OPERATION ROOM | MEETING ROOM | SERVER ROOM | DOCUMENTATION ROOM | SERVICE ROOM | WAITING AREA | PANTRY



Agensi Pengurusan Bencana Negara



@mynadma



portalbencana.ndcc.gov.my

NATIONAL DISASTER COMMAND CENTRE (NDCC)



AGENCI PENGURUSAN BENCANA NEGARA  
JABATAN PERDANA MENTERI

# INFRASTRUCTURES



**DISASTER PORTAL | DISASTER INFORMATION MANAGEMENT SYSTEM (MYDIMS) |  
MyDIMS MOBILE (REPORTING & COMMUNICATION) | MOFOS VEHICLE (VIDEO RECORDING AND  
OBSERVATION OF DISASTER AFFECTED LOCATION)**



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NATIONAL DISASTER COMMAND CENTRE (NDCC)



AGENCI PENGURUSAN BENCANA NEGARA  
JABATAN PERDANA MENTERI

NATIONAL DISASTER COMMAND CENTRE (NDCC)

NATIONAL DISASTER COMMAND CENTRE (NDCC)

**MyDIMS**



Agensi Pengurusan Bencana Negara



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# WHAT IS MYDIMS?

- **A Disaster Management System** which developed to help disaster management in Malaysia
- It consist of 4 cycle of disaster management which is **Mitigation, Preparedness, Response and Recovery.**
- ***Real-time disaster warning,alarm monitoring and real-time information dissemination*** via 4 different ways : **Web Announcement (Social Media),SMS, FAX, Phone Call(ACS)**
- Disaster Portal: **[portalbencana.ndcc.gov.my](http://portalbencana.ndcc.gov.my)**

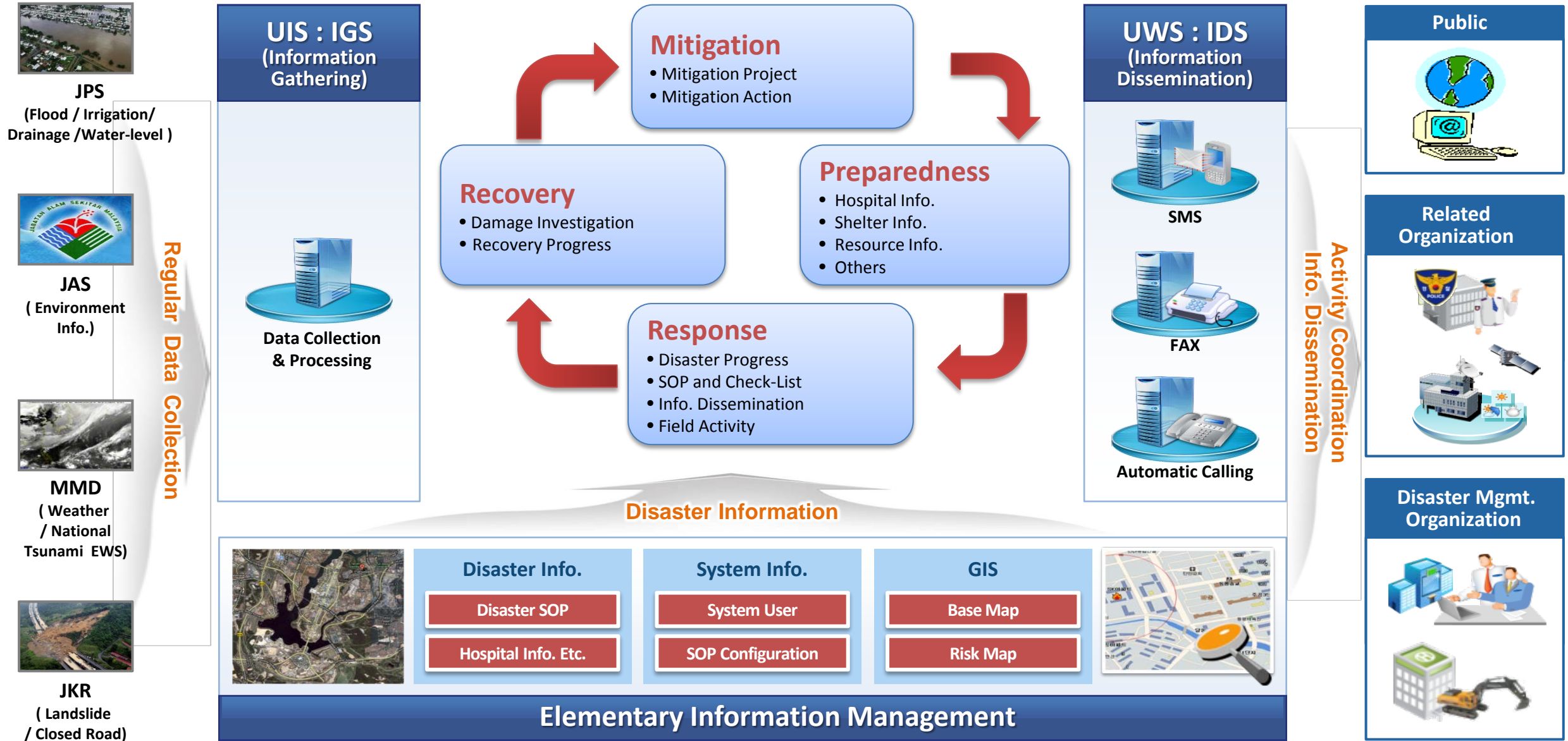


# OBJECTIVE OF MYDIMS SYSTEM

- Instrumental in mainstreaming Information and Communication Technology (ICT) usage for disaster management in Malaysia.
- As a starting point to make disaster management more efficient and reliable in terms of:
  - **Comprehensive reporting**
  - **Information sharing**
  - **Command and control**
  - **Information dissemination**
- As a platform for cooperation among disaster responder agencies.



# Application Architecture





# DISASTER MANAGEMENT SYSTEM

MyDIMS

Response

Situation  
Awareness

Disaster  
Analysis

Information  
Manager

COP



Laman Utama MyDIMS



# Modul - Response

Response module is mainly related to operator activity that includes reporting and disaster monitoring for regular time, and information dissemination, response teaming, field agent communication at disaster.

**Response System** for Disaster Management System  
Mohd Shahrul Nizam Mohd Arif

System Response Report Usual Dissemination Supporting Map External Info

Monitoring New Disaster Activity Log Unconfirmed New Alert: 73 count

**Status**

Type: Banjir  
Level: Level 0(Village)  
Name: BANJIR DI SARAWAK  
Occurred Time: 22/1/2014 11:00:00 AM  
Jurisdiction: MKN Sarawak  
Cause: Hujan lebat di beberapa bahagian.

**Map**

Select Map: ArcGIS

**Disasters**

DisasterType	Name	Occur Time	Jurisdiction
Banjir	BANJIR DI SARAWAK	22/1/2014 11:00:00 AM	MKN Sarawak
Banjir	Banjir Kilat Selangor	15/1/2014 11:50:54 PM	MKN SELANGOR
Banjir	Banjir di Sabah	15/1/2014 1:58:00 PM	MKN Sabah
Banjir	Banjir Di Kelantan	11/1/2014 4:05:53 PM	
Banjir	Banjir Di Pahang	11/1/2014 3:00:00 PM	

16/6/2014 10:11:02 AM WeatherWarning Confirm Dissem

16/6/2014 10:11:02 AM WeatherWarning Confirm Dissem

16/6/2014 8:33:04 AM WaterLevel Confirm Dissem

Alert Event SOS

Response

Situation Awareness

Disaster Analysis

Info. Manager

COP

Admin Tool  
( IGS / IDS Admin )

MyDIMS Mobile

# Disaster Registration Screenshot

## New Disaster Registration: ex. "Flood"

**Response System**  
for Disaster Management System  
Developer One

System Response Map Report Supporting External Info  
Monitoring **New Disaster** Work Diary  
Unconfirmed New Alert: 12 count

**New Disaster**

Disaster Type: Air/Sea/Land Catastrophe  
Disaster Level: 3Level  
Disaster Name: [Error Icon]  
Occurred Time: 6/12/2012 18:26:24  
Jurisdiction: [Empty]  
State: [Empty]  
District: [Empty]  
Address: [Empty]  
Post Code: [Empty]  
Gis Info. Latitude: [Empty] Longitude: [Empty] X Set on the Map Radius: [Empty]  
Cause: [Empty]  
Content: [Empty]  
Remarks: [Empty]

OK Cancel

**Disasters**

DisasterType	Name
Air/Sea/Land Catastrophe	ezra a
CBRN	Simula
Flood	Floods
Air/Sea/Land Catastrophe	MKN E
Open Burning / Forest Fire / Haze	Large
Air/Sea/Land Catastrophe	Air Dis
Flood	Flood

5/24/2012 11:10:33  
5/24/2012 11:10:33  
5/24/2012 11:10:32  
Alert Event SOS

WeatherWarning

**May select on Map**

**Press 'OK' to put it on the tope of the 'Disaster' list**

# Early Warning Screenshot

## Window Layout: Early Warning Alerts, Information, and Locations

**Response System** for Disaster Management System

System Response Map Report Supporting External Info. Developer One

Monitoring New Disaster Work Diary Unconfirmed New Alert: 12 count

**Status**

Type: Flood

Level: 3Level

Name: Floods caused by heavy rainfall

Occurred Time: 6/7/2012 11:01:03 PM

Jurisdiction: National Security Council

Location: Centre, Putrajaya, 62505, Putrajaya, WP Putrajaya, Putrajaya, Putrajaya

Post Code:

Cause: Rain occurred in the Indian Ocean caused by havy rains in Putrajaya

Content: More than 30 mm per hour

Remarks:

**Map**

Select Map : ArcGIS

**Disaster Location**

DisasterType	Name	Location	Occur Time	Jurisdiction
Flood	Floods caused by heavy rainfall	Centre, Putrajaya, 62505, Putrajaya, WP Putrajaya, Putrajaya, Putrajaya	6/7/2012 11:01:03 PM	National Security Council
Air/Sea/Land Catastrophe	MKN ECC Project Delay	Putra Jaya, Putrajaya, Putrajaya	6/5/2012 2:37:46 AM	Project Implementation
Open Burning / Forest Fire / Haze	Large Flood	Pahang, Kuanatan vicinity, Kuantan, Pahang	5/21/2012 11:51:36 PM	MKN
Air/Sea/Land Catastrophe	Air Disaster	Location , Timur Laut, Pinang	5/21/2012 11:22:32 PM	MKN
Flood	Flood disaster	Sabah KotaKinabalu, Kota Kinabalu, Sabah	5/21/2012 7:18:03 PM	MKN

5/24/2012 11:10:33 AM WeatherWarning

5/24/2012 11:10:33 AM WeatherWarning

5/24/2012 11:10:32 AM WeatherWarning

Alert Event SOS

Real-Time Warning and Alarm

# Modul – Situation Awareness

Situation Awareness allows disaster activity monitoring and information query that was conducted by ECC operator. It includes response teaming, damage status, and other responsive activities.

The screenshot displays the 'Situation Awareness System' interface. The main window title is 'Floods caused by heavy rainfall'. The interface is divided into several sections:

- Information Panel (Left):** Contains fields for disaster details:
  - Type: Flood
  - Level: 3Level
  - Name: Floods caused by heavy rainfall
  - Occurred Time: 6/7/2012 11:01:03 PM
  - Jurisdiction: National Security Council
  - Location: Centre, Putrajaya, 62505, Putrajaya, WP Putrajaya Putrajaya, Putrajaya
  - Post Code: (empty)
  - Cause: Rain occurred in the Indian Ocean caused by havy rains in Putrajaya
  - Content: More than 30 mm per hour
  - Remarks: (empty)
- Location Panel (Top Right):** Shows a map of Malaysia with a red circle highlighting the Putrajaya area and a blue circle highlighting another location. Below the map, there are search results for 'Putrajaya Putrajaya'.
- Disaster Shelter Status Panel (Bottom Left):** A table with columns: Name, State, District, Start.
- Response Team Panel (Bottom Right):** A table listing response agencies:

Lead Agency	Response Team
Malaysian Armed Forces (ATM)	
MALAYSIA RED CRESCENT SOCIETY	
PKOB	Malaysia Fire and rescue department
PKTK	ATOMIC ENERGY LICENSING BOARD
PKTK	Special Malaysia Disaster Assistance
SAR Components	Malaysia Electrical Power Agency (TN)
SAR Components	ATOMIC ENERGY LICENSING BOARD
SAR Components	Malaysia National Telecommunication

Response

Situation Awareness

Disaster Analysis

Info. Manager

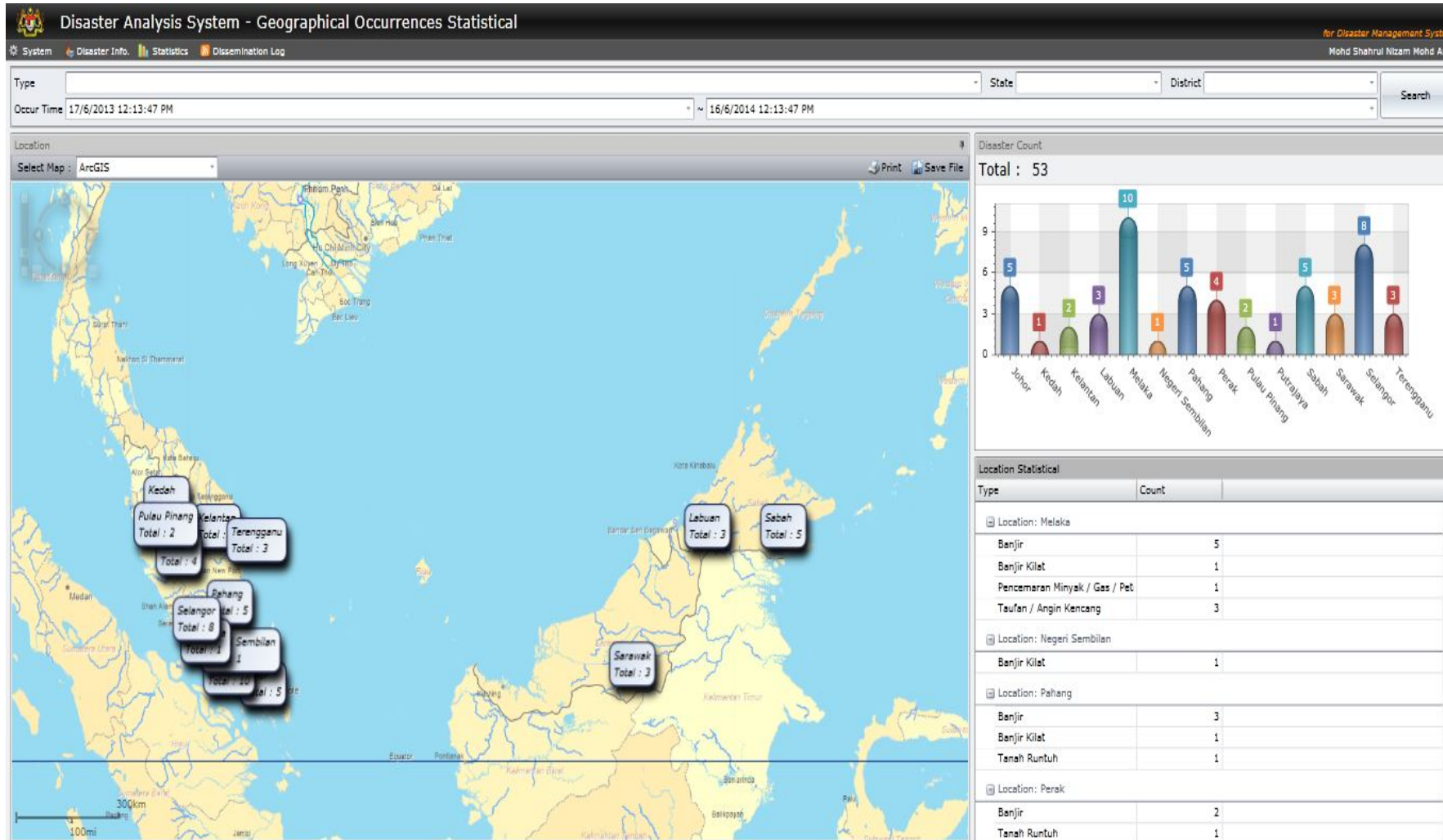
COP

Admin Tool  
( IGS / IDS Admin )

MyDIMS Mobile

# Modul – Disaster Analysis

Disaster Query shows all the disaster statistics information. Using this module, user can query all the past disaster occurrence and damage history based on disaster type, location and periods.



Response

Situation Awareness

**Disaster Analysis**

Info. Manager

COP

Admin Tool  
( IGS / IDS Admin )

MyDIMS Mobile

# Modul – Information Manager

Using information manager module, user can manage all the required information including organization, asset, hospital, shelter, and others. It also includes pre-setting information for disaster response. It will be composed of Web and Client Agent Program.

Disaster Management System - Shelter Manager

System Preparedness Recovery Developer One

New Shelter Edit Delete

Name  State  District  Address  Search

State	District	Name	Type	Address	Facility	Capacity
Johor	Johor Bahru	Masjid Negeri Sultan Abu Bakar	Mosque	Jalan Abu Bakar, 80100	50 Bed, 10 Toilets, Not Emergency Food	2000
Kedah	Bandar Baharu	Kedah Community Hall	Community Hall	Lot 1200, Jalan Nong Chik, 2	100 Bed, 20 Toilets, 50 Emergency Food	2000
Kedah	Bandar Baharu	Maahad Tahfiz Al-Akhyar	School	Lot 2697, Jalan Nong Chik, 2	100 Bed, 20 Toilets, 200 Emergency Food	8000
Kedah	Kulim	SJK(T) KULIM	School	Jalan Tunku Bendahara	10 Bed, 6 Toilets, 150 Emergency Food	1000
Kelantan	Kota Baharu	Kelantan Primary School	School	Lot 2697, Jalan Nong Chik, 2	100 Bed, 20 Toilets, 200 Emergency Food	8000
Kelantan	Machang	Kelantan Mosque	Mosque	Jalan Abu Bakar, 80100	50 Bed, 10 Toilets, Not Emergency Food	2000
Kuala Lumpur	Kuala Lumpur	Lumpur Community Hall	Community Hall	Jalan Tunku Bendahara	10 Bed, 4 Toilets, 60 Emergency Food	1200
Kuala Lumpur	Kuala Lumpur	Kuala Lumpur Primary School	School	Jalan Abu Bakar, 80200	10 Bed, 2 Toilets, 10 Emergency Food	800
Melaka	Jasin	Melaka Mosque	Mosque	Jalan Abu Bakar, 80300	100 Bed, 6 Toilets, 60 Emergency Food	1000
Melaka	Jasin	Melaka Primary School	School	Lot 2112, Jalan Nong Chik, 2	12 Bed, 2 Toilets, 50 Emergency Food	600
Pahang	Cameron Highlands	Pahang Community Hall	Community Hall	Lot 1200, Jalan Nong Chik, 2	100 Bed, 20 Toilets, 50 Emergency Food	2000
Pahang	Jerantut	Pahang Primary School	School	Jalan Tunku Bendahara	10 Bed, 6 Toilets, 150 Emergency Food	1000
Perak	Hulu Perak	Perak Primary School	School	Jalan Abu Bakar, 80200	10 Bed, 2 Toilets, 10 Emergency Food	800
Perak	Kuala Kangsar	Perak Community Hall	Community Hall	Jalan Tunku Bendahara	10 Bed, 4 Toilets, 60 Emergency Food	1200
Pinang	Seberang Perai Utara	Pinang Mosque	Mosque	Jalan Abu Bakar, 80300	100 Bed, 6 Toilets, 60 Emergency Food	1000
Pinang	Timur Laut	Pinang Primary School	School	Lot 2112, Jalan Nong Chik, 2	12 Bed, 2 Toilets, 50 Emergency Food	600
Sembilan	Port Dickson	Sembilan Community Hall	Community Hall	Lot 1000, Jalan Nong Chik, 2	50 Bed, 10 Toilets, Not Emergency Food	780
Sembilan	Port Dickson	Sembilan Primary School	School	Jalan Tunku Bendahara	50 Bed, 6 Toilets, 10 Emergency Food	850
Terengganu	Dungun	Terengganu Primary School	School	Jalan Tunku Bendahara	50 Bed, 6 Toilets, 10 Emergency Food	850
Terengganu	Marang	Terengganu Community Hall	Community Hall	Lot 1000, Jalan Nong Chik, 2	50 Bed, 10 Toilets, Not Emergency Food	780

[Prev] [1] [Next]

Response

Situation Awareness

Disaster Analysis

Info. Manager

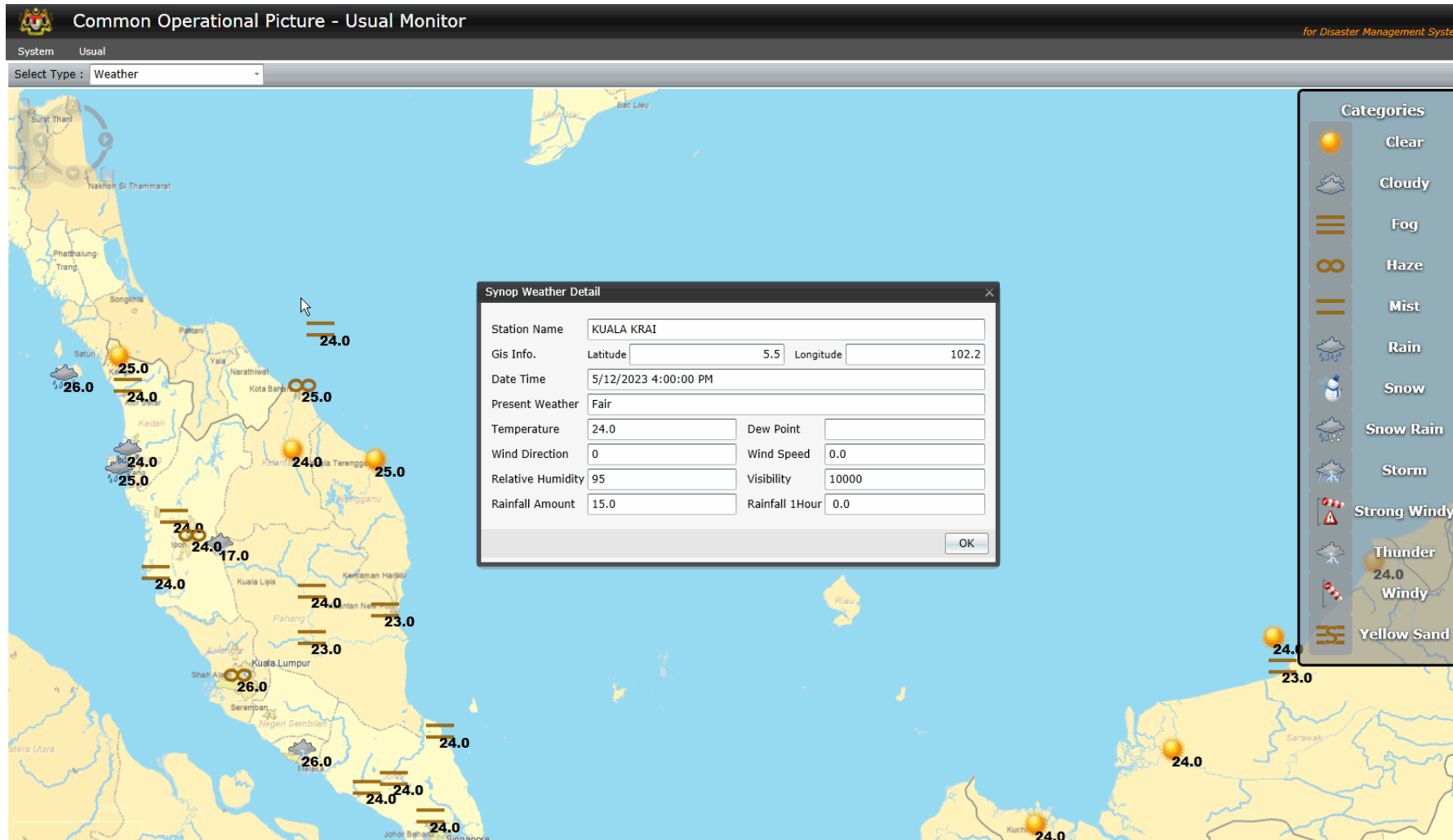
COP

Admin Tool  
( IGS / IDS Admin )

MyDIMS Mobile

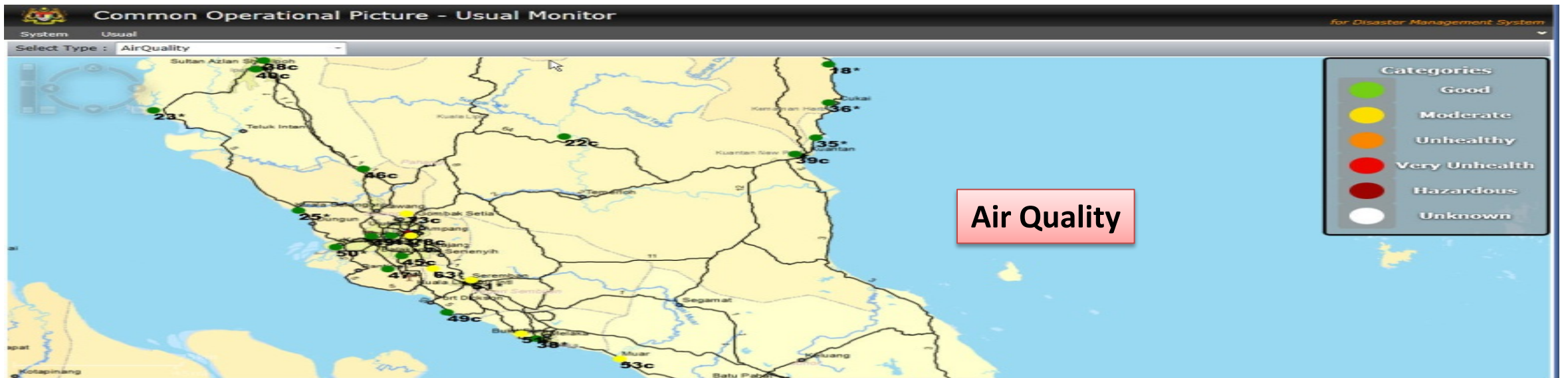
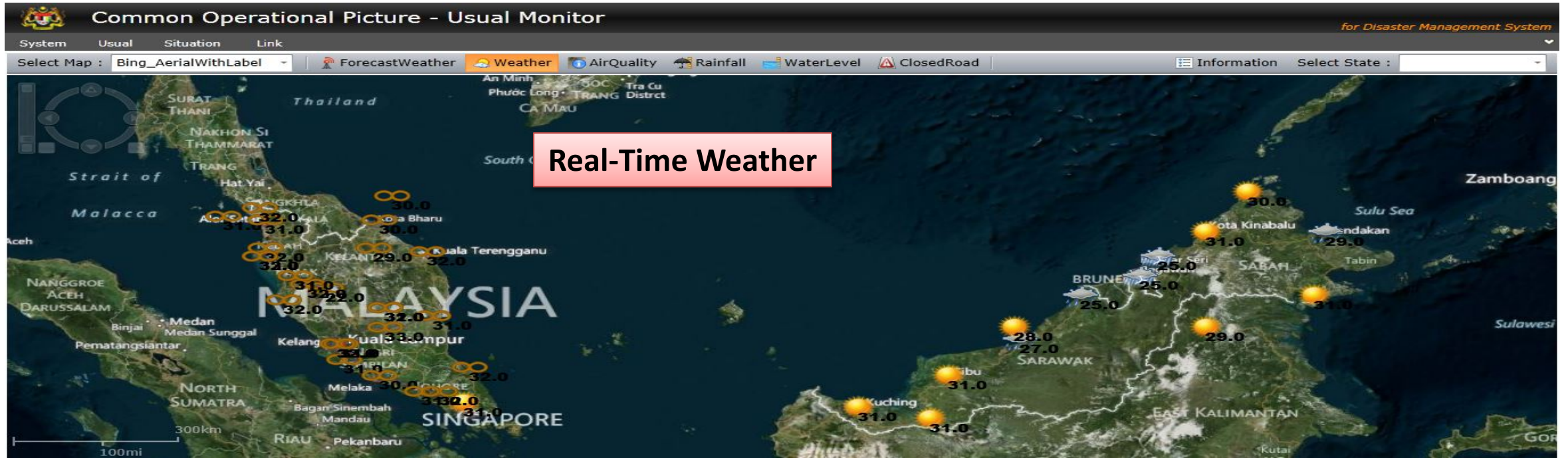
# Modul – Common Operation Picture

COP is the module to be displayed at ECC Operation main projections. It shows all the real-time information that was collected from related agency. Besides, it shows the overall disaster progress for selected disaster.



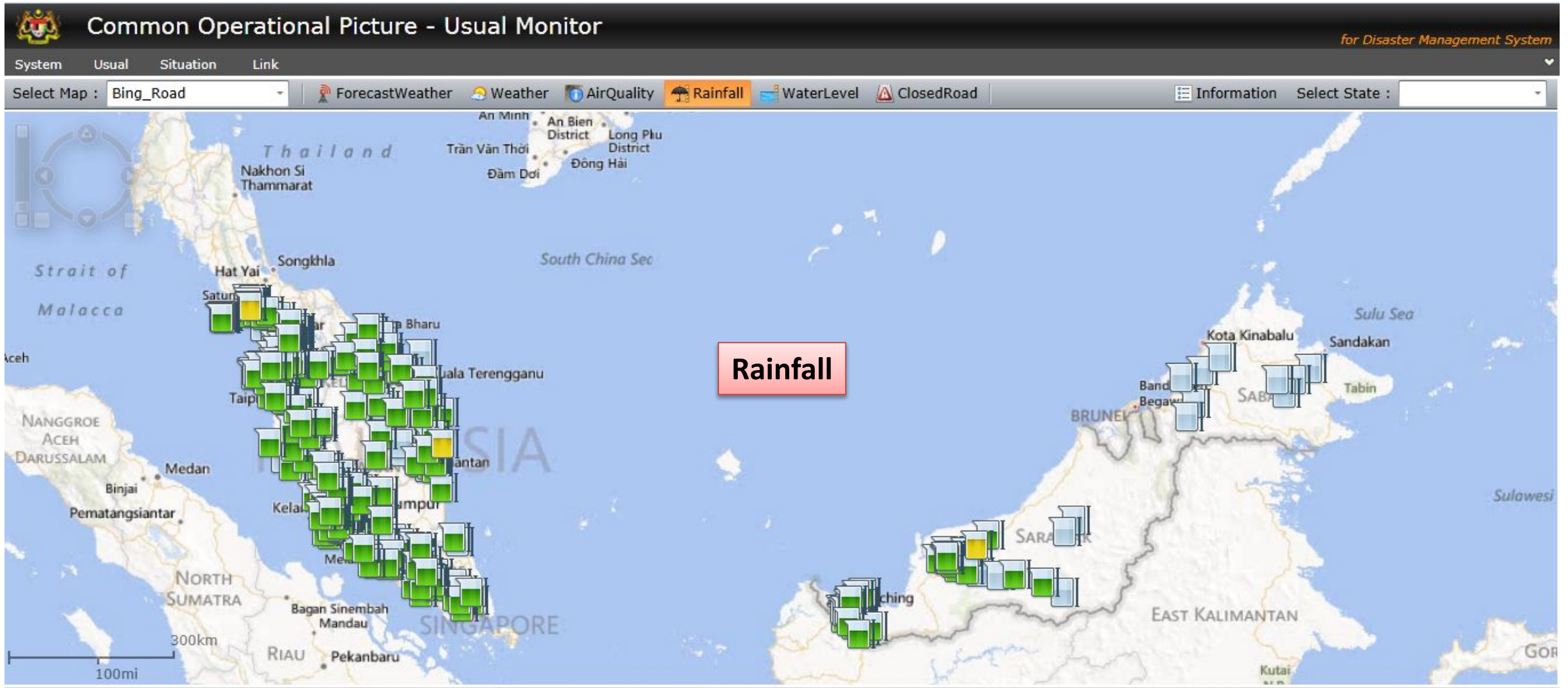
- Response
- Situation Awareness
- Disaster Analysis
- Info. Manager
- COP**
- Admin Tool (IGS / IDS Admin)
- MyDIMS Mobile

# Disaster Monitoring Screenshot : COP





# Disaster Monitoring Screenshot : COP



# Modul- System Admin Tools

Using Admin Tools, system administrator can configure the system components of MyDIMS. User registration and authority assignment also will be managed by Admin Tools.

The screenshot shows the 'Administrative Tools' window with the 'Application Manager' tab selected. It displays a table of system components. An 'Application Information' dialog box is open, showing details for the 'Response System'.

Name	URL	Remarks
Response System	Winitech.WinX.Response.aspx	System for usual response and disaster report gat
Field Response System	localhost	Mobile
Disaster Query System	Winitech.WinX.DisasterQueries.aspx	
Information Manager System	Winitech.WinX.InfoManager.aspx	System for Disaster Information Management
Common Operational Pictures	Winitech.WinX.COP.aspx	
Situation Awareness System	Winitech.WinX.SituationAwareness.aspx	
Administrative Tools	localhost	System Administration Tools
Dissemination Server	localhost	
Information Gathering Server	localhost	
Portal Site	portal	Portal Site

Application Information	
Name	Response System
URL	Winitech.WinX.Response.aspx
Remarks	System for usual response and disaster report gathering

Response

Situation Awareness

Disaster Analysis

Info. Manager

COP

Admin Tool  
( IGS / IDS Admin )

MyDIMS Mobile

# Modul – MyDIMS Mobile

Using MyDIMS Mobile, field agent will be able to communicate with ECC operator including field status report, field image upload, and damage status report. This will be installed at Galaxy Tab for field agent.



The screenshot displays the 'DMS Mobile' application interface. At the top, there is a header bar with a user profile icon, the text 'DMS Mobile', and navigation icons for a menu, SOS, share, and settings. Below the header is a section titled 'Disaster list' containing a table of disaster records. The table has two columns: a date and time stamp, and a description of the disaster. The records are as follows:

Date and Time	Description
2012/02/07 00:00:00 NA	Landslide : Bukit Antarabangsa
2012/02/07 00:00:00	Flood : abcd
2012/02/07 00:00:00	Flood :
2012/02/06 00:00:00 Virtual Training	Flood :
2012/02/06 00:00:00	Oil/Gas Petro Chemical :
2012/02/06 00:00:00	Landslide :

At the bottom of the screen, there is an Android-style navigation bar with icons for back, home, recent apps, and search, along with a status bar showing the time as 4:09 PM and various system icons.

Response

Situation Awareness

Disaster Analysis

Info. Manager

COP

Admin Tool  
( IGS / IDS Admin )

MyDIMS Mobile



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**Thank you**  
**Terima kasih**



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