



EOR and Emergency Observation Response Procedure

Asian Disaster Reduction Center (ADRC)
Makoto IKEAD

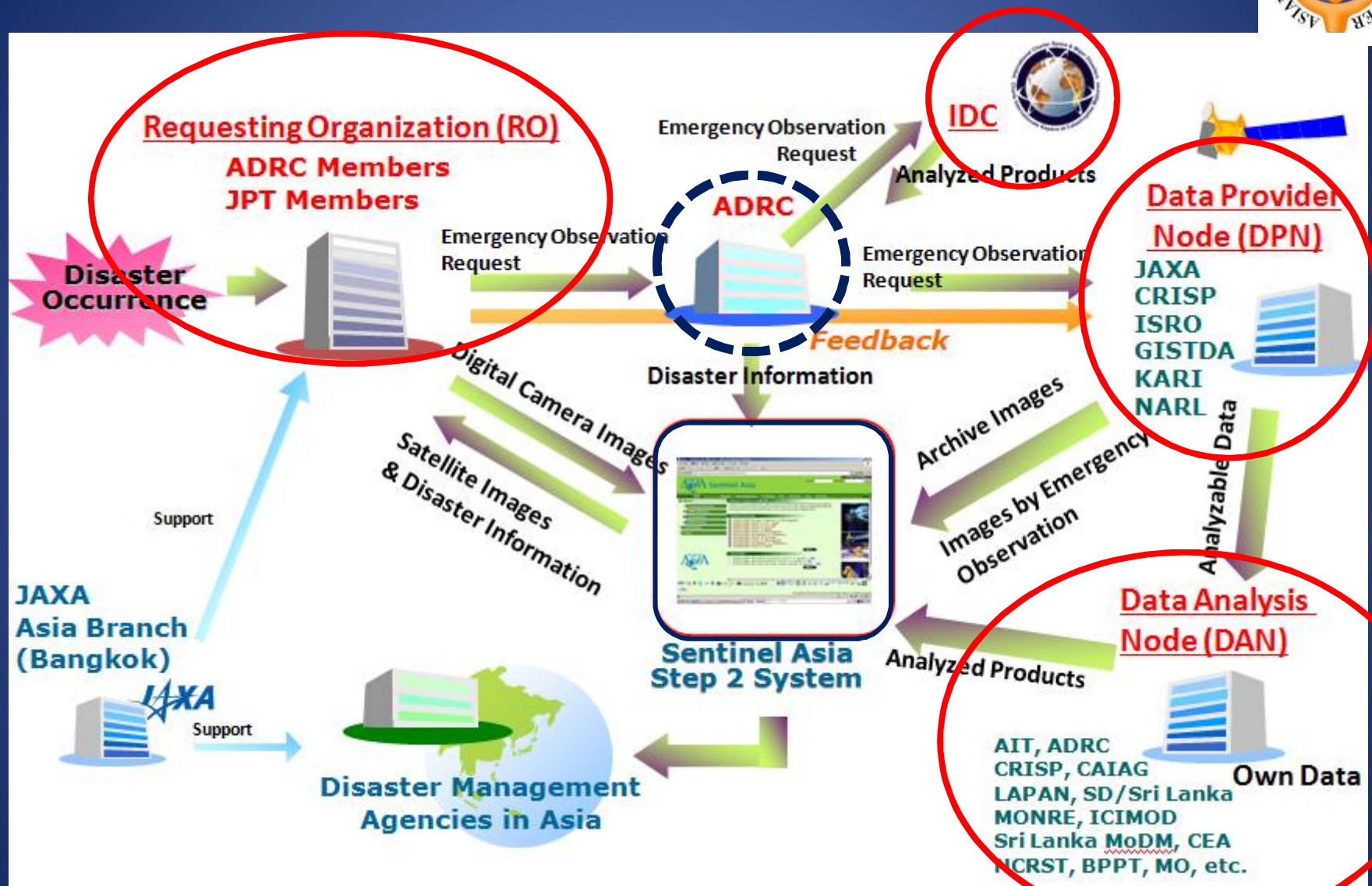
Purpose of EOR

(Depends on Procedure of Emergency Observation Request)



1. EOR is to appropriately and efficiently communicate the nature, timing and location of a disaster event, to allow an assessment of how the Sentinel Asia framework can best support in terms of disaster assessment and response planning, and to activate supporting agencies as required.
2. It represents an appeal for assistance from the disaster-affected country and is the fundamental instrument around which the Sentinel Asia framework is organised and executed.

Our role in Sentinel Asia





EOR procedures

- The default method for the initiation of an EOR for Request Organization(RO) is to complete the online form at:

<https://sentinel.tksc.jaxa.jp/>

The screenshot displays the Sentinel Asia website. The top navigation bar includes 'HOME', 'Announce', 'About Sentinel Asia', 'JPT Member', 'FAQ', 'Contact US', 'Links', and 'Site Policy'. A user login section on the right shows 'UserID' as 'adrc0001' and 'password' as '*****'. The left sidebar contains a 'WEB GIS' menu with items: 'Emergency Observation', 'Wildfire Monitoring', 'Flood Monitoring', 'MTSAT Imagery', 'Capacity Building', and 'Library' (highlighted with a red box). The main content area, titled 'Document and Archives', lists the following documents:

- Emergency Observation Request** (highlighted with a red box)
 - [Request form](#) [12 Jan 2010]
- Request for proposal concerning utilization of Regional Server / Client Terminal using WINDS in Sentinel Asia Step2 system**
 - [Request for Proposal](#) [05 Aug 2009]
 - [Application form](#) [05 Aug 2009]
- Sentinel Asia Step3**
 - [Terms of Reference](#) [29 Sep 2015]
 - [Implementation Plan](#) [11 Apr 2013]



Current EOR FORM

**SENTINEL ASIA
EMERGENCY OBSERVATION REQUEST (EOR) FORM (1/2)**

Requester (your name and organization)

Your name ..
Your organization ..
Membership: JPT member ADRC member ..
Your phone ..
Your cellular phone ..
Your fax ..
Your E-mail ..
Other E-mail(s) for notification ..

Contact Person
* Fill in below in case different
Name ..
Organization ..
Phone ..
Cellular phone ..
E-mail ..
Other E-mail(s) for notification ..

Disaster Management
ADRC is the first point of contact in the Sentinel Asia Emergency Observation Request (EOR) Management Organizations (DMOs) is quite essential to judge the Sentinel Asia framework is suitable to assist. contact with DMOs. Please provide following information
Organization Name ..
E-mail ..
Other relevant information ..

Planned end-user of the observation
Please provide us information, to the best of your knowledge (Management Organization), agency, or community will answer questions to concerned organization, if needed..
 The information/image shall be used only for the purpose of the organization during the disaster.
 The information will be provided to other relevant organizations. Please fill in the name of the organization (..)

Purpose of the observation
How does your organization intend to use the information?
 Emergency Response Situation confirmation activity Others (..)
 Damage and Loss Assessment (DaLA) / Post Disaster Recovery Planning ..
 Detection of an advance warning of hazardous events ..
 Others (..)

Type of Disaster
 Flood Landslide Storm
 Volcano Earthquake Ice
 Other (..)

**SENTINEL ASIA
EMERGENCY OBSERVATION REQUEST (EOR) FORM (2/2)**

Time limit for information to be uploaded on the SA WEB-portal ..
 Less than 24 hours Not exceed 4 days Not exceed 10 days ..
 Others: ..
* Based on the expected time limit, there might be cases where the delivery of information will be difficult to meet or the product to be delivered is assessed to be not enough at a given time. In such cases, we may not trigger Sentinel Asia. ..

Date of Occurrence ..
Date and time (UTC) ..
Details, news source ..

Place of occurrence ..
Country ..
Request area ..
Name of a place ..
Coordinates of center point ..
 Circular zone ..
Latitude : .. N ..
Longitude : .. E ..
Radius : .. km ..
Please select one ..
 Rectangular zone ..
Lat.: .. N ..
Lon.: .. E ..
Necessity for Additional Observation ..
 Necessary Not necessary Don't known ..

The requesting organization (RO) may further ask whether to elevate this Emergency Observation Request (EOR) to International Charter for Space and Major Disasters (ICD) when secretariat confirms its appropriateness ..
If RO wishes to elevate to IDC, please check the box on the right ..
 elevate

Please send the completed form to ADRC ..
(Fax) +81-78-262-5546 or (E-mail) sarequest@adrc.asia

Request ID ..
(10 OR more by ADRC)

Requester information

Sent to ADRC
by Email
sarequest@adrc.asia

Detailed Disaster
information in
affected area

SA Web-site



Sentinel Asia
UserID : adrc0001
logout

HOME Announce About Sentinel Asia JPT Member FAQ Contact US Links Site Policy

WEB GIS

- Emergency Observation
- Wildfire Monitoring
- Flood Monitoring
- MTSAT Imagery
- Capacity Building
- Library
- Emergency Obs. Request**

Emergency Obs. Request List

Emergency Obs. ID	Status	Occurrence Date (UTC)	Country	Disaster Type	Organization	GLIDE N
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Reference Register Modify Delete

Emergency Obs. Request Information

Emergency Obs. ID: _____ Same Request: _____
Disaster Type: _____ Country: _____
Occurrence Date (UTC): Date: _____ Time: _____ GLIDE Number: _____
ADRC URL: _____
User ID: adrc0001 Name: ADRC
Organization: ADRC Phone: _____
Cellular Phone: _____ Fax Number: _____
E-Mail 1: _____ E-Mail 2: _____
E-Mail 3: _____ E-Mail 4: _____
E-Mail 5: _____
Observation Term (UTC): From: _____ To: _____

Location

Rectangular Upper-Left(deg): (0.0, 0.0) Upper-Right(deg): (0.0, 0.0)
Lower-Left(deg): (0.0, 0.0) Lower-Right(deg): (0.0, 0.0)
 Round Center(deg): (0.0, 0.0) Radius: 0.0 [km]

Escalation to the Charter, Space and Major Disasters

Request to escalate this EO to the Charter

Disaster situation

Comment _____

Register

Login

Emergency Obs. Request

input the information of the EOR sheet

Register



New EOR FORM (PLAN)-1

For the better activity of EoR, new items are added into EoR form.

- Addition1: Contact Person, Disaster Management Organization
- Addition2:Planned end-user of the observed information
- Addition3:Purpose of the Request
- Addition4:Time limit for information to be uploaded the SA WEB-portal
- Addition5:Necessity for Additional Observation

New EOR FORM (PLAN)-2



SENTINEL ASIA EMERGENCY OBSERVATION REQUEST (EOR) FORM (1/2) Requester (your name and organization)	
Your name	
Your organization	Membership: <input type="checkbox"/> JPT member <input type="checkbox"/> ADRC member
Your phone	
Your cellular phone	
Your fax	
Your E-mail	
Other E-mail(s) for notification	
Contact Person * Fill in below in case different from the Requester	
Name	
Organization	
Phone	
Cellular phone	
E-mail	
Other E-mail(s) for notification	
Disaster Management Organization	
ADRC, Secretariat of the Sentinel Asia has been collecting local information in cooperation with Disaster Management Organization to carry out effective observation and assess whether a satellite image is useful for the disaster management. Please provide us information, to the best of your knowledge, about the Disaster Management Organization.	
Organization Name	
E-mail	
Other relevant information	
Planned end-user of the observed information	
Please provide us information, to the best of your knowledge, as to which organization (e.g. Disaster Management Organization), agency, or community will utilize the satellite image. ADRC may ask some questions to concerned organization, if needed.	
<input type="checkbox"/> The information/image shall be used only for our organization Please state your role in the organization during disaster response()	
<input type="checkbox"/> The information will be provided to other relevant organization/s. Please fill in the name of the organization()	
Purpose of the Request How does your organization intend to use the satellite data?	
<input type="checkbox"/> Emergency Response (<input type="checkbox"/> Situation confirmation, <input type="checkbox"/> Rescue activity, <input type="checkbox"/> Evacuation activity, <input type="checkbox"/> Others()	
<input type="checkbox"/> Damage and Loss Assessment(DaLA)/Post Disaster Needs Assessment(PDNA) <input type="checkbox"/> Recovery Planning <input type="checkbox"/> Detection of an advance warning of hazardous situation <input type="checkbox"/> Others()	
Type of Disaster	
<input type="checkbox"/> Flood	<input type="checkbox"/> Landslide
<input type="checkbox"/> Volcano	<input type="checkbox"/> Earthquake
<input type="checkbox"/> Other()	<input type="checkbox"/> Storm
	<input type="checkbox"/> Ice hazard
	<input type="checkbox"/> Forest fire
	<input type="checkbox"/> Tsunami

SENTINEL ASIA EMERGENCY OBSERVATION REQUEST (EOR) FORM (2/2)	
Time limit for information to be uploaded on the SA WEB-portal <input type="checkbox"/> Less than 24 hours <input type="checkbox"/> Not exceed 4 days <input type="checkbox"/> Not exceed 10 days <input type="checkbox"/> Others: * Based on the expected time limit, there might be cases where the delivery of information will be difficult to meet or the product to be delivered is assessed to be not enough at a given time. In such cases, we may not trigger Sentinel Asia.	
Date and time(UTC)	Date of Occurrence
Details, news source	
Place of occurrence	
Country	Request area
Name of a place	Coordinates of center point
Please select one	<input type="checkbox"/> Circular zone Latitude : ° ' " N Longitude : ° ' " E Radius : km
	<input type="checkbox"/> Rectang zone Lat. : ° ' " N Lon. : ° ' " E Lat. : ° ' " N Lon. : ° ' " E
Necessity for Additional Observation	
<input type="checkbox"/> Necessary <input type="checkbox"/> Not necessary <input type="checkbox"/> Don't known	
The requesting organization (RO) may further ask whether to elevate this Emergency Observation Request (EOR) to International Charter for Space and Major Disasters (ICD) when secretariat confirms its appropriateness. If RO wishes to elevate to IDC, please check the box on the right.	
Please send the completed form to ADRC (Fax) +61-78-262-5546 or (E-mail) sarcquest@adrc.asia	
Request ID (To be filled by ADRC)	<input type="text"/>

Additional input item



New FORM Addition1

SENTINEL ASIA EMERGENCY OBSERVATION REQUEST (EOR) FORM (1/2)	
Requester (your name and organization)	
Your name	
Your organization	Membership: <input type="checkbox"/> JPT member <input type="checkbox"/> ADRC member
Your phone	
Your cellular phone	
Your fax	
Your E-mail	
Other E-mail(s) for notification	
Contact Person	
※ Fill in below in case different from the Requester	
Name	
Organization	
Phone	
Cellular phone	
E-mail	
Other E-mail(s) for notification	
Disaster Management Organization	
ADRC is the first point of contact in the Sentinel Asia EOR process. Local information by Disaster Management Organizations (DMOs) is quite essential to undertake the first evaluation of an EOR and judges the Sentinel Asia framework is suitable to assist. To proceed the EOR process, ADRC may contact with DMOs. Please provide following information.	
Organization Name	
E-mail	
Other relevant information	

Requester
(There is no change)

Contact Person

Disaster Management Organization

New FORM Addition2



Planned end-user of the observed information

Please provide us information, to the best of your knowledge, as to which organization (e.g. Disaster Management Organization), agency, or community will utilize the satellite image. ADRC may ask some questions to concerned organization, if needed.

The information/image shall be used only for our organization

Please state your role in the organization during disaster response(

)

The information will be provided to other relevant organization/s.

Please fill in the name of the organization(

)



New FORM Addition3

Purpose of the Request

How does your organization intend to use the satellite data?

Emergency Response (Situation confirmation, Rescue activity, Evacuation activity , Others(

))

Damage and Loss Assessment(DaLA)/Post Disaster Needs Assessment(PDNA)
 Recovery Planning
 Detection of an advance warning of hazardous situation
 Others()



New FORM Addition4, 5

Time limit for information to be uploaded on the SA WEB-portal

- Less than 24 hours Not exceed 4 days Not exceed 10 days
 Others:

※ Based on the expected time limit, there might be cases where the delivery of information will be difficult to meet or the product to be delivered is assessed to be not enough at a given time. In such cases, we may not trigger Sentinel Asia.

Necessity for Additional Observation

- Necessary Not necessary Don't known



Sample (request from International Water Management Institute)

Flood in India



<http://www.infonepal.net/english/12670/>

New FORM Addition1



SENTINEL ASIA EMERGENCY OBSERVATION REQUEST (EOR) FORM (1/2)	
Requester (your name and organization)	
Your name	Dr Giriraj Amaranth
Your organization	International Water Management Institute (IWMI)
	Membership: <input checked="" type="checkbox"/> JPT member <input type="checkbox"/> ADRC member
Your phone	0094112880000
Your cellular phone	0094773295303
Your fax	0094112786854
Your E-mail	A.Giriraj@cgjar.org
Other E-mail(s) for notification	N.alahacoon@cgjar.org
Contact Person	
※Fill in below in case different from the Requester	
Name	
Organization	
Phone	
Cellular phone	
E-mail	
Other E-mail(s) for notification	
Disaster Management Organization	
ADRC is the first point of contact in the Sentinel Asia EOR process. Local information by Disaster Management Organizations (DMOs) is quite essential to undertake the first evaluation of an EOR and judges the Sentinel Asia framework is suitable to assist. To proceed the EOR process, ADRC may contact with DMOs. Please provide following information.	
Organization Name	National Disaster Management Authority – Tamil Nadu Unit
E-mail	dgp@tn.gov.in
Other relevant information	

Requester
(There is no change)

Contact
Person

Disaster
Management
Organization

New FORM Addition2



Planned end-user of the observed information

Please provide us information, to the best of your knowledge, as to which organization (e.g. Disaster Management Organization), agency, or community will utilize the satellite image. ADRC may ask some questions to concerned organization, if needed.

The information/image shall be used only for our organization

Please state your role in the organization during disaster response(We will provide information on the damage impact on the urban and agricultural losses to the government)

The information will be provided to other relevant organization/s.

Please fill in the name of the organization(National Disaster Management Organisation, Department of Agriculture, UNOCHA Relief Web, UNSPIDER, Chennai Municipal Corporation)



New FORM Addition3

Purpose of the Request

How does your organization intend to use the satellite data?

Emergency Response (Situation confirmation, Rescue activity, Evacuation activity, Others())

Damage and Loss Assessment(DaLA)/Post Disaster Needs Assessment(PDNA)

Recovery Planning

Detection of an advance warning of hazardous situation

Others()



New FORM Addition4, 5

Time limit for information to be uploaded on the SA WEB-portal

Less than 24 hours Not exceed 4 days Not exceed 10 days

Others:

※Based on the expected time limit, there might be cases where the delivery of information will be difficult to meet or the product to be delivered is assessed to be not enough at a given time. In such cases, we may not trigger Sentinel Asia.

Date of Occurrence

Date and time(UTC)

01 Dec 2015

Details, news source

Heavy rains today pounded several parts of Tamil Nadu and inundating most areas of Chennai, severely disrupting flights, train and bus services and forcing postponement of half-yearly school exams even as the state braced for more showers in next four days. As the death toll in rain-related incidents touched 188, Chief Minister Jayalalithaaa reviewed the situation and deputed ministers to inspect the affected regions. Chennai City seems to be heading for a crisis of sorts as the government has started releasing 20,000 cubic feet per second of water from Chembarambakkam reservoir into Adyar. This is the highest volume of outflow from the reservoir in several years. On November 17, a day after the city received over 25 centimetres of rainfall, Public Works Department released 18,000 cusecs of water from the reservoir.

More live updated on twitter <https://twitter.com/search/chennai+floods>

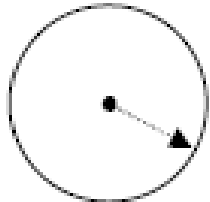
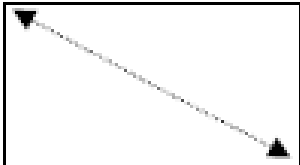
<http://www.thehindu.com/news/cities/chennai/tamil-nadu-heavy-rains-lash-chennai-to-continue-for-two-more-days/article7936729.ece>

<http://www.hindustantimes.com/india/flood-alert-sounded-as-heavy-rains-lash-chennai-parts-of-tamil-nadu/story-wr651F4bDKn7xNZ8mnXvZM.html>

<http://www.ndtv.com/south/heavy-rains-lash-parts-of-tamil-nadu-puducherry-normal-life-hit-1249707>

Area of Interesting



Place of occurrence	
Country	Tamil Nadu – City of Chennai, Kancheepuram, Cuddalore districts
Request area	
Name of a place	Chennai, Kancheepuram, Cuddalore, Puducherry
Please select one	<u>Coordinates of center point</u> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <input type="checkbox"/> Circular zone </div> <div>  <p>Latitude : ° ' " N Longitude : ° ' " E Radius : km</p> </div> </div>
	<div style="margin-bottom: 10px;"> <input checked="" type="checkbox"/> Rectangular zone </div> <u>Coordinates of corners</u> <p>Lat. :13° 25' 56" N Lon.:79° 13' 00" E</p> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;">  </div> <div> <p>Lat. :11° 36' 52" N Lon.:79° 53' 13" E</p> </div> </div>

If you have some Aoi, please show priority!!



Satellite images

Emergency Obs. Request Information

Emergency Obs. ID: ERADRC000040
 Disaster Type: Flood Country: India
 Occurrence Date (UTC): Date 01/Dec/2015 Time 09:00 GLIDE Number: TC-2015-000163-IND
 ADRC URL: http://www.adrc.asia/view_disaster_en.php?NationCode=356&lang=&KEY=2059

Escalation to the Charter, Space and Major Disasters

Request to escalate this EO to the Charter

Disaster Situation

Heavy rains today pounded several parts of Tamil Nadu and inundating most areas of Chennai, severely disrupting flights, train and bus services and forcing postponement of half-yearly school exams even as the state braced for more showers in next four days. As the death toll in rain-related incidents touched 188, Chief Minister Jayalalithaa reviewed the situation and deputed ministers to inspect the affected regions. Chennai City seems to be heading for a crisis of sorts as the government has started releasing 20,000 cubic feet per second of water

Satellite Images(Before Disaster)

ALOS(Jpeg)

Grid of satellite images (ALOS-2 PALSAR-2 and ALOS Pansharp.P) with timestamps ranging from 06:31 to 18:48.

Product-TOKYO(Jpeg)

Area Under Wate...
04/Dec/2015 14:00

Products

Product

Product-AIT(Jpeg)

Grid of five satellite images (AIT) showing flooded areas.

Product-IWMI(PDF)

Grid of five PDF documents titled "Floods in Tamil... 09/Dec/2015 18:30".



AGAIN

WE NEED;

[when you request]

- Information related to AoI (X and Y, priority)
- Information regarding contact person of disaster management organization in affected country/area
- Information a purpose of your EoR

[after request]

- Information what did you use images/products
- Latest situation of affected area (end of your request)