

Emergency and Humanitarian Action (EHA) Unit  
WHO Country Office - Indonesia

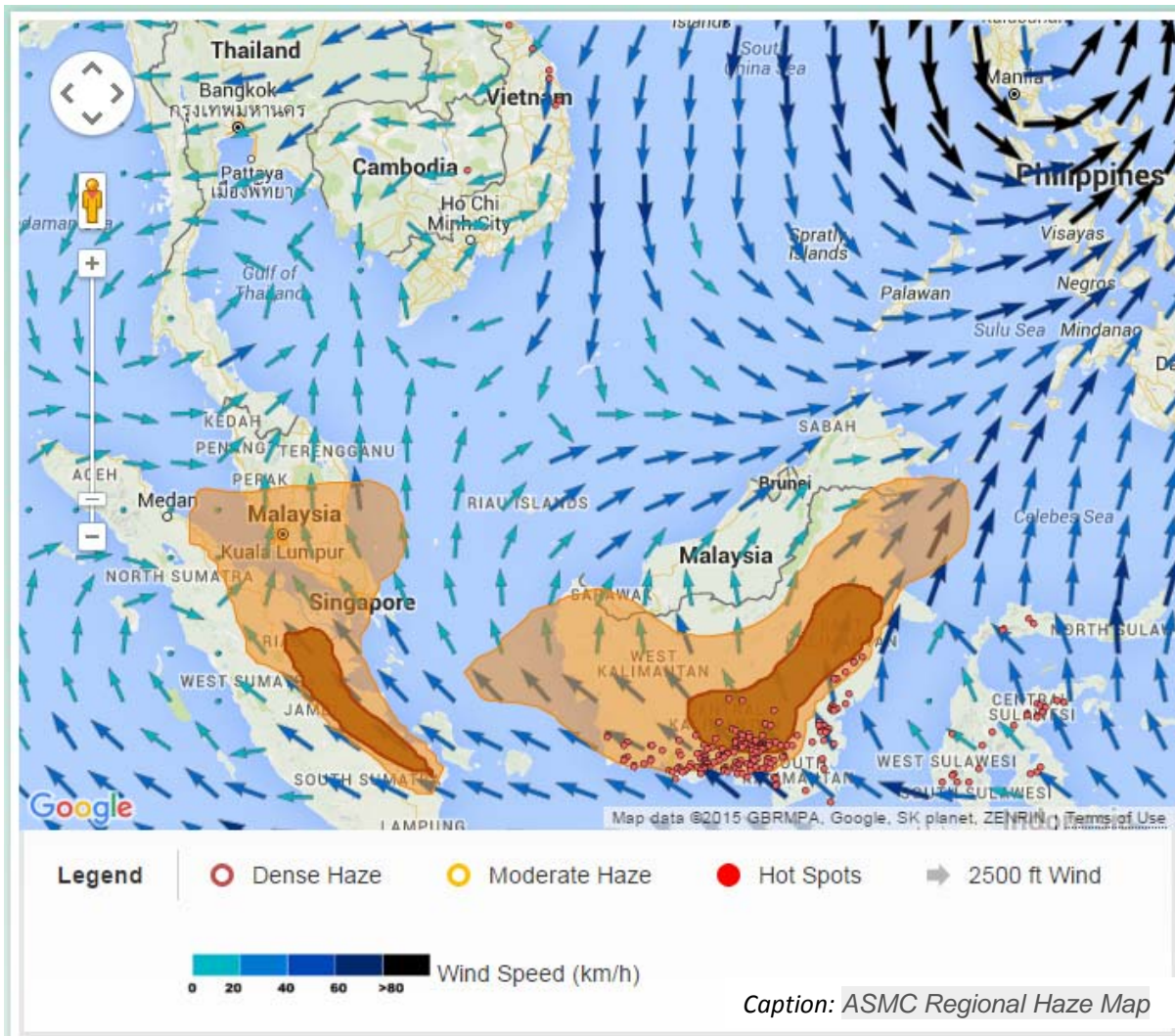
**Emergency Situation Report on Sumatera and Kalimantan Forest Fire**

SITREP # 2: 20 October 2015 at 12.00 local time (UTC+7)

**HIGH LIGHTS**

- The Centre for Health Crisis, Ministry of Health (CHC/MOH) reported an event of forest fire which caused haze. The event started in March 2015 in Riau Province. Now the affected area has spreaded to six provinces: three in Kalimantan Island (West, South and Central Kalimantan) and three in Sumatera Island (Jambi, Riau and South Sumatera). (This is an on-going event).
- The highest air pollution safety index (PSI) particulate PM10: 880 µgram/m3 was recorded on 15th of October 2015 in Central Kalimantan Province (normal range: 0 – 50 µgram/m3).
- The government not declared a national disaster.
- Government has accepted foreign assistance for setting off fire using water bombing.

**Affected Area and Incident Site Mapping**



Caption: ASMC Regional Haze Map

## Situation Analysis

- The Centre for Health Crisis of Ministry of Health (CHC/MOH) reported event of forest fire which caused haze started on 1st of March 2015 in Riau Province. Now the affected area has increased to nine provinces, three in Kalimantan Island (West, South and Central Kalimantan) and six within Sumatra Island (Jambi, Riau, South Sumatera, West Sumatera, Riau Island and Bangka Belitung Island).
- In Riau Province, local government declared alert on emergency on 1st of March 2015 and raised it to provincial level emergency situation on 14 September 2015.
- In Central Kalimantan Province declared emergency situation on 7 September 2015 and declared URTI Outbreak on 23 September 2015.
- The highest air pollutant safety index 880.03 ugram/m<sup>3</sup> with 2428 hotspots was recorded on 15 October 2015 in Central Kalimantan Province (normal 0 – 50 ugram/m<sup>3</sup>), while in other provinces the reported levels were:
  - Riau 94.53 ugram/m<sup>3</sup>; number of hotspots were 7
  - Jambi 226.61 ugram/m<sup>3</sup>; number of hotspots were 36
  - South Sumatera 366.29 ugram/m<sup>3</sup>; number of hotspots were 297
  - West Sumatera (no available data)
  - Riau Island (no available data)
  - Bangka Belitung (no available data)
  - West Kalimantan 376.46 ugram/m<sup>3</sup>; number of hotspots were 59
  - South Kalimantan 162.47 ugram/m<sup>3</sup>; number of hotspots were 424

*Caption: Foreign water bombing helicopter as part of joint military operation in South Sumatera*  
Source :  
<http://maklumatnews.com/7-heli-dan-4-pesawat-padamkan-api-di-sumsel/>

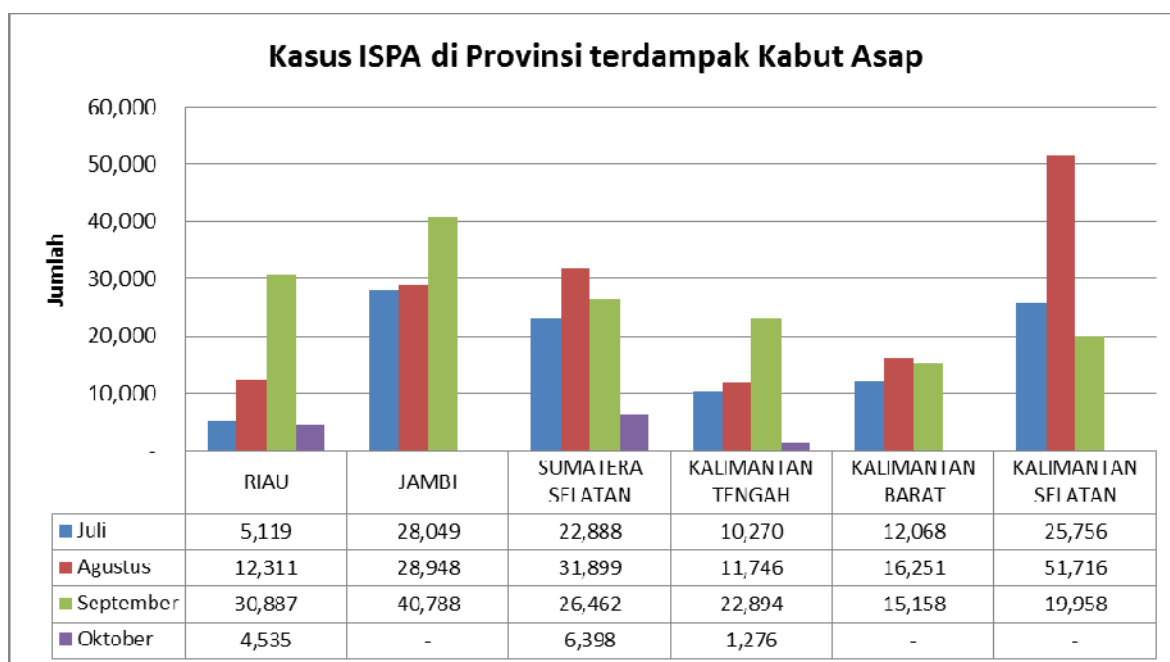


### Casualties and Damages

- Population affected approximately 15 million people in the provinces mentioned earlier.
- Health impact due the event mainly ISPA (Acute Respiratory Tract Infection). The following tables depict the distribution of cases.

No	Province	URTI
1	Riau	58697
2	Jambi	80027
3	South Sumatera	89995
4	West Sumatera	6320
5	Riau Island	0
6	Bangka Belitung	0
7	West Kalimantan	43477
8	South Kalimantan	97430
9	Central Kalimantan	49377
Total (cumulative)		425.323

Center for Health Crisis Ministry of Health also recorded other diseases as health consequences of this disaster event. These include pneumonia, asthma, conjunctivitis (eye infection), and dermatitis (skin infection).



**Response**

Province	MOH	Provincial Health Office	District Health Office
Riau	Sent RHA Team Distributed 955,000 masks, URTI Medicines packages, Portable oxygen  Backup team from Fatmawati Hospital (Pelalawan District), Adam Malik Hospital (Indragiri Hulu District), Mental Hospital,	Coordination with DHOs and distribution of masks to the affected area Mask stock up to 16 Sept. 5000 pcs	Activate health center in alert mode and providing health service to the community Distributing mask to the community Coordination with PHO
West Kalimantan	Sent RHA Team Distributed 300000 pcs masks	Coordination with DHOs and distribution of masks to the affected area Mask stock up to 16 Sept. 107500 pcs	Activate health center in alert mode and providing health service to the community Distributing mask to the community Coordination with PHO
South Kalimantan	Sent RHA Team Distributed 150000 pcs masks	Coordination with DHOs and distribution of masks to the affected area Mask stock up to 16 Sept. 5000 pcs	Activate health center in alert mode and providing health service to the community Distributing mask to the community Coordination with PHO
Central Kalimantan	Sent RHA Team Distributed 404,430 masks, URTI Medicines packages, Portable oxygen	Coordination with DHOs and distribution of masks to the affected area	Activate health center in alert mode and providing health service to the community Distributing mask to the community Coordination with PHO
Jambi	Sent RHA Team Distributed 201,500 masks, URTI medicine packages	Coordination with DHOs and distribution of masks to the affected area	Activate health center in alert mode and providing health service to the community Distributing mask to the community Coordination with PHO
South Sumatera	Sent RHA Team Distributed 325,000 masks, URTI medicine packages	Coordination with DHOs and distribution of masks to the affected area	Activate health center in alert mode and providing health service to the community Distributing mask to the community Coordination with PHO
West Sumatera	Sent RHA Team	Coordination with DHOs and distribution of masks to the affected area	Activate health center in alert mode and providing health service to the community Distributing mask to the community

			Coordination with PHO
Riau Island	Sent RHA Team Distributed antibiotic packages and 201,700 masks	Coordination with DHOs and distribution of masks to the affected area	Activate health center in alert mode and providing health service to the community Distributing mask to the community Coordination with PHO
Bangka Belitung	Sent RHA Team Distributed 85,000 masks, URTI medicine packages and oxygen	Coordination with DHOs and distribution of masks to the affected area	Activate health center in alert mode and providing health service to the community Distributing mask to the community Coordination with PHO

### Follow Up Action Plan

#### All Provincial Health Office in the affected areas

- Provide supervision to the affected districts in their area;
- Distribute masks and other health logistics down to health center level (puskesmas);
- Provide health promotion such as:
  - o Avoiding outdoor activities
  - o Use mask
  - o Enough drink and nutrition
  - o Immediately seek medical service if needed
  - o Provide fan or air purifier in house and office
- Increase the stand by health service, all health workers to be standby 24/7
- Provide recommendation to the Education Office to stop the school activities (ISPU  $\geq$  100 for pre-school and elementary students, or ISPU  $\geq$  200 for junior and high school students)
- Provide clean air shelter for vulnerable groups

#### Ministry of Health, Republic of Indonesia

- Coordinating with BNPB, PHOs, DHOs, and monitor the development of the event.

#### WHO

- Handed over 8010 masks and 600 goggles from Regional Office to Ministry of Health.
- Monitoring the event closely with CHC/MOH, BNPB and in coordination with health partners, UN OCHA and other UN agencies.

### Important Contacts

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### Source of Information from Indonesia

Information is gathered from the following sources. This report is for reference only and should not be quoted as factual accuracy can change.

1. World Health Organization (WHO)
2. Center for Health Crisis MoH/ Pusat Penanggulangan Krisis Kesehatan (PPKK)
3. National Disaster Management Agency/Badan Nasional Penanggulangan Bencana (BNPB)
4. Local news media



Caption: Sample of community health education by health partner