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## 2017 Asia Forest Fire Management Training

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# Forest Fire In Indonesia

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# Introduction

# Causes of Fire in Indonesia

## Negligence

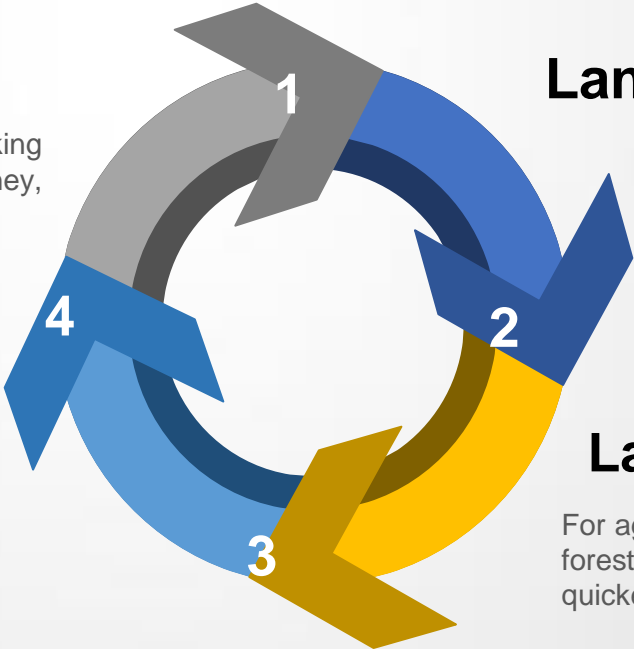
Other activities causing fire looking for (firewood, rattan, honey, camping, burning trash)

## Land Conflict

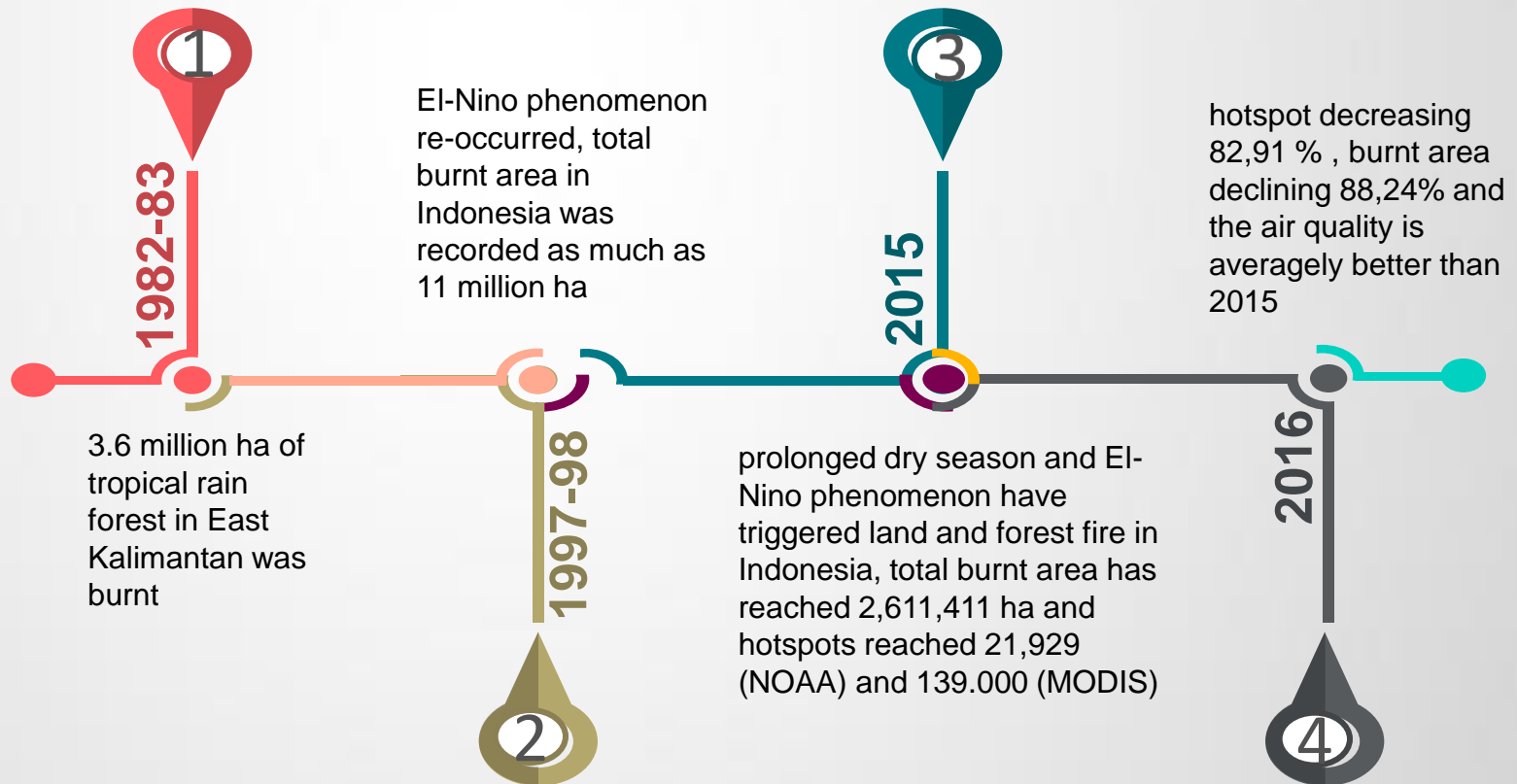
## Land needs

For agriculture, residence. Clearing forest due to easier, cheaper, quicker

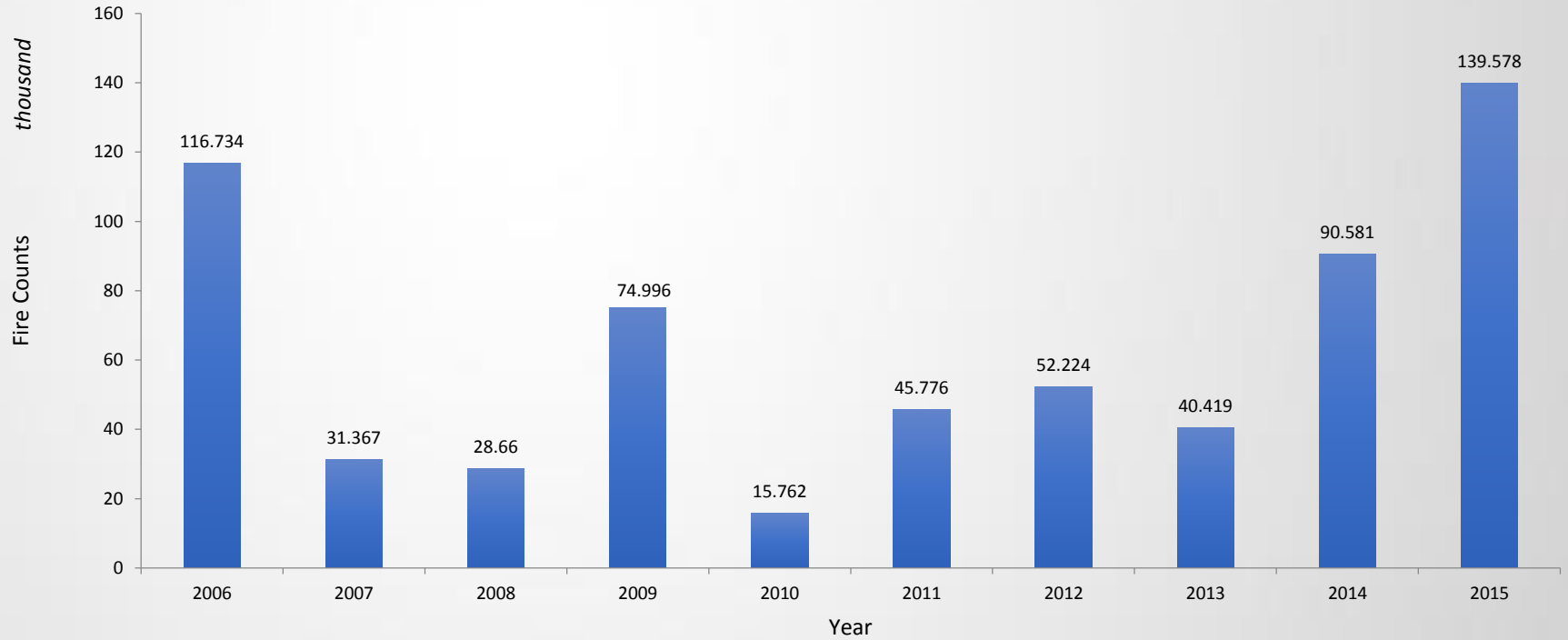
## Habits & behaviour



# The Enormous Land and Forest Fire in Indonesia



# MODIS Fire Hotspot





# Fire Management

# Fire Management Strategy

Regulations & Strengthening Coordination  
Early warning and early detection  
Peat Water Management & restoration  
Integrated Fire Prevention Patrol  
Campaign and capacity building  
Land Clearing Without Burning Practices (PLTB)

## Prevention

01

Ground suppression  
Single Unit Suppression  
Joint suppression (Inter-agencies)  
Air Operation: Water bombing, weather modification, Surveillance

## Suppression

02

Law Enforcement  
Rehabilitation  
Burned area estimation

## Post fire

03



# Manggala Agni MOEF (since 2002)



37 Offices in 11 fire prone provinces and 1.980 Fire Brigades (Manggala Agni)

# Integrated Patrol

The Task among other are : early detection, extension, and early suppression



Province	Prone Village
Riau	127
Jambi	102
South Sumatra	61
West Kalimantan	193
Central Kalimantan	65
South Kalimantan	41
East Kalimantan	90
North Kalimantan	52
<b>Total</b>	<b>731</b>

# Fire Equipments Of Integrated Patrol



No	Equipments	Amount
1.	Vehicles	42 unit
2.	Equipments vehicles	50 unit
3.	Water tank	7 unit
4.	Motorcycle	1.330 unit
5.	Back pump	1.300 unit
6.	Pump	110 unit
7.	Nozzle	2.050 unit
8.	Ponti Nozzle	40 unit
9.	GPS	200 unit
10.	Handy tools	150 pax
11.	Suite	1.000 unit
12.	Eco-chemical	40.000 pax

# Ground Suppression



Manggala Agni, army and police brigade to suppress/extinguish fires



# Aerial Suppression



Aerial Fire fighting using fixed-wing and helicopter such as Kamov, BE-200



Thank you

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