



**Country Report - Thailand**

# **Incident Command System in Fire Management**

**Siri Akaakara**

**Forest Fire Control Division**

**National Park, Wildlife and Plant Conservation Dept.**

# National Park, Wildlife and Plant Conservation Department

**Forest Fire Control Division,  
Forest Protection & Fire Control  
Office**

**16 Protected Area  
Management Offices**

**15 Forest  
Fire  
Coordination  
Centres**

**4 Forest  
Fire  
Training  
Centres**

**1 Forest  
Fire  
Research  
Centre**

**120 Forest Fire  
Control Stations.**

PointAsia

Alt: 1798km  
Lat: 13.26851 Lon: 102.7

Burma  
ประเทศไทย  
ລາວ

Laos

Vietnam

Cambodia

# Location of fire control units



Image from [www.PointAsia.com](http://www.PointAsia.com)  
PRINT DATE 23/02/2007 13:18

# Fire Prevention Campaign



**Annual fire prevention campaign  
are launched nationwide**



# Education

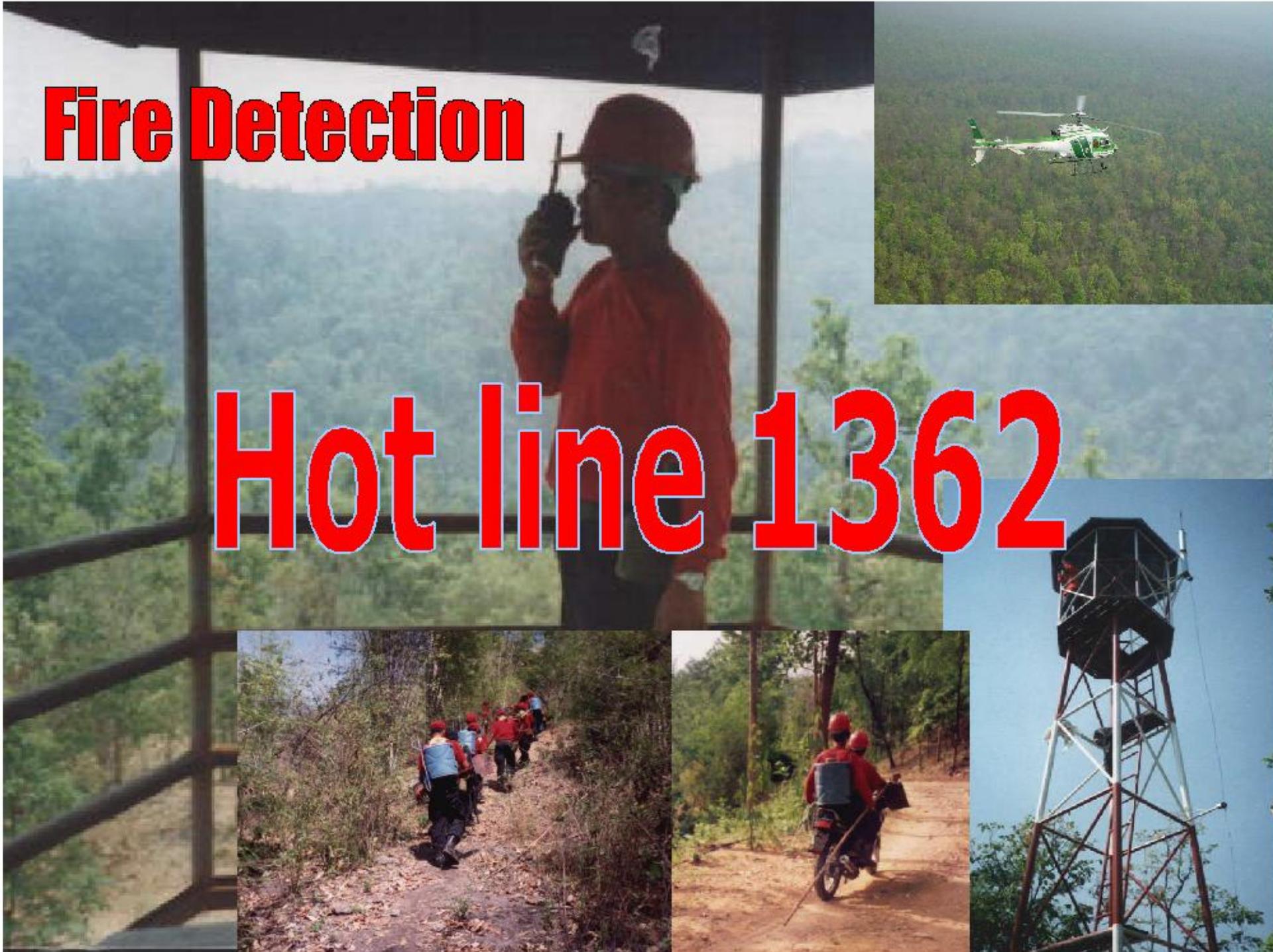
# Direct



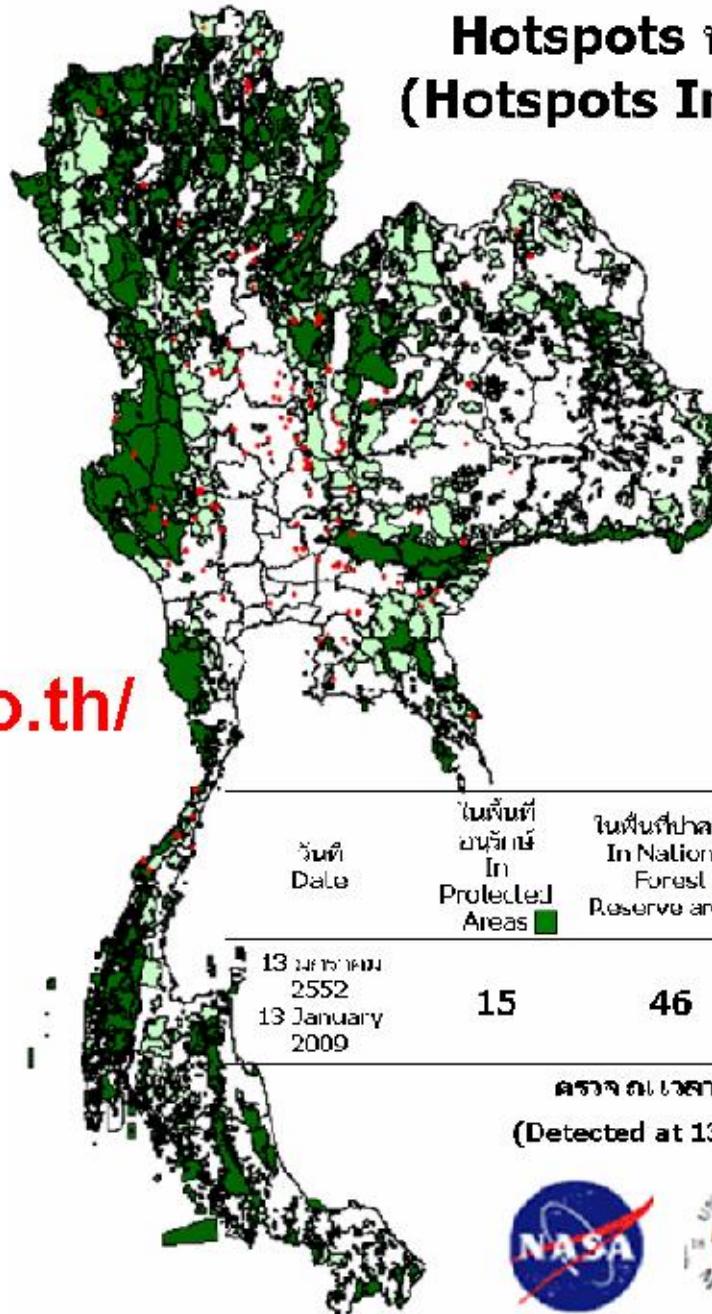
Use Mass media,  
Public exhibitions

# **Fire Detection**

# **Hot line 1362**



## Hotspots ทั่วประเทศไทย (Hotspots In Thailand)



[www.dnp.go.th/  
forestfire](http://www.dnp.go.th/forestfire)

วันที่ Date	ในพื้นที่ อนุรักษ์ In Protected Areas	ในพื้นที่ป่าสงวน <sup>■</sup> In National Forest Reserve areas	ในพื้นที่ เกษตรฯ In Agricultural Areas	รวม Total
13 มกราคม 2552 13 January 2009	15	46	104	165

ตรวจ ณ เวลา 13:50 น

(Detected at 13:50 , Aqua)



# Fuel Management



Early Burning

Firebreaks

# Fire Suppression

A photograph of a massive forest fire. The scene is dominated by intense orange and yellow flames that have consumed many trees. Several firefighters are visible as dark silhouettes, working along the edge of the fire. The background is filled with smoke and the glow of the fire.

The most costly, dangerous operation

# Fire Fighter (The Red Ant)



# Fire Tiger Special Force



Speed Strength Smart



Small Crew (7)



Standard Crew (14)

# **Fire Suppression Mobile**



**Plan level 1 ( Controlled Situation )**

**Plan level 2 ( Severe Situation )**

**Plan level 3 ( Crisis Situation )**

# **Plan level 1 ( Control )**



## **Situation**

- 1. Fire just take place and detect**
- 2. Fire just detected, area burnt**

## **Command Post**

Chief of Fire Control Station

### **Ground Unit**

1. Fire Suppression  
Teams of Fire  
Control Station

### **Pump and Machinery Unit**

1. Fire engine, Slip-  
on Tank,  
Water pump of Fire  
Station

### **Air Support**

1. Helicopter, Fixed  
wing plane of Fire  
Station (if any)

**Suppression**

**Forest Fire**

**Fire  
controlled  
with in 3  
days**

**Fire still  
Uncontrol  
led**

**Plan level 2  
( Severe Situation )**

# Level 2 ( Severe Situation )



## Situation

1. Fire just detected but area burnt already exceed 20 ha. Or
2. Suppression operation under Plan level 1



# Level 3 (Crisis Situation)



## Situation

Suppression operation under Plan level 2 failed to contain fire within 15

## Command Post

Director General of National Park, Wildlife and Plant Conservation Department

### **Fire Station**

Director: Fire  
Control Division

- **Planning**
- **Coordinate and**

#### **Ground Unit**

1. Fire Suppression Teams of Fire Control Station
2. -Forest agencies within province
  - State agencies within province
  - Fire volunteer brigade in province
3. - **Fire Station from other provinces**
  - Forest agencies from other provinces
  - State agencies from other provinces
  - **Fire Suppression Special Task Force (Fire Tiger)**

#### **Operation Sector**

Director: Regional Forest Office

#### **Pump and Machinery Unit**

1. Fire engine, Slip-on Tank, Water tank of Fire Station
2. - Water tank, Tractor, from forest agencies within province
  - Fire engine, Water tank, Tractor from all state agencies within province
3. - Water tank, Tractor from forest agencies from other provinces
  - Fire engine, Water tank, Tractor from Agriculture Aviation

#### **Logistics Sector**

Director: Logistic Division

Provide logistics

#### **Air Support**

1. Helicopter, Fixed wing plane of Fire Station (if any)
2. Helicopter, Fixed wing plane from nearby Fire Station
3. - Helicopter, Fixed wing plane from Agriculture Aviation
  - Helicopter, Fixed wing plane from other state agencies

**Forest Fire under**



CL-215 (Amphibian)



BT-67



C-130



CH-47 (Chinook)

All man power and resources in the country are mobilized





Thank You