




# GROUND INFORMATION

THAILAND IS ONE OF MINES AFFECTED COUNTRIES

ARMED CONFLICTS IN NEIGHBORING COUNTRIES




- INTERNAL INSURGENCIES DURING 50 YEARS

The collage consists of four photographs. The top-left photo shows soldiers in a dark environment at night, illuminated by flashlights. The top-right photo shows a group of soldiers in camouflage uniforms, one of whom is operating a mortar launcher. The bottom-left photo shows a bright explosion or fire at night in an outdoor setting. The bottom-right photo shows several soldiers in a field, with one soldier kneeling and another standing near a mortar launcher.



# Landmine

Impact Survey conducted by NPA contaminated areas total of 2,557 square kilometers around Thailand

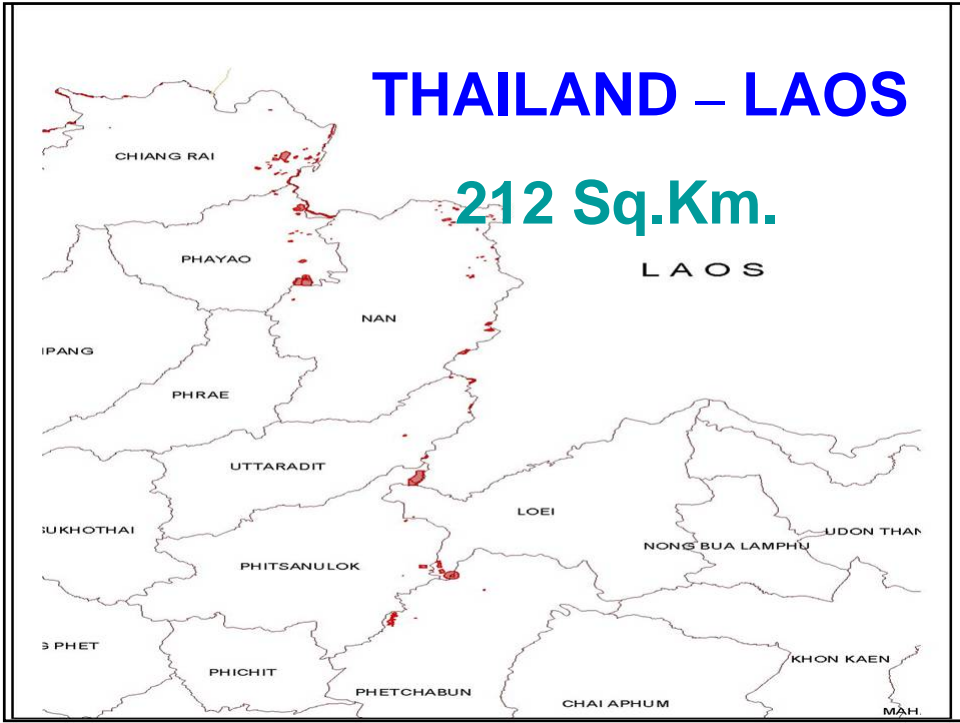


NAKHON RATCHASIMA BURIRAM SURIN SI SAKET UBON RATCHATHANI  
PHACHINBURI SA KAEO  
HOENGSAO  
VBURI  
RAYONG CHANTHABURI TRAD

Cambodia

## THAILAND – CAMBODIA

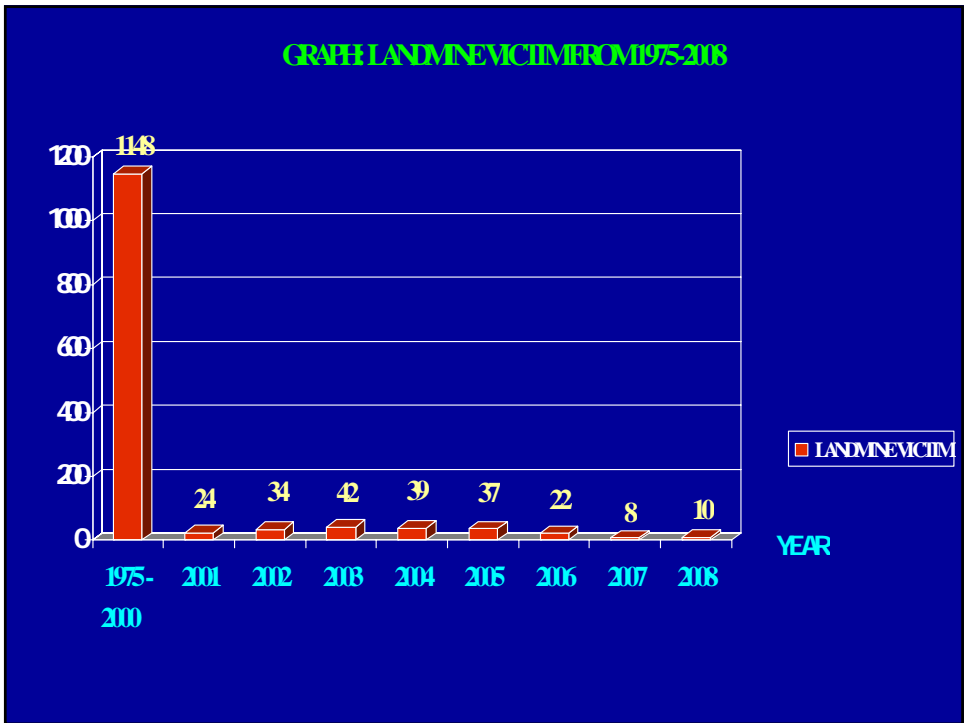
1,823 Sq.Km.





**6% Of the area is in the communities**





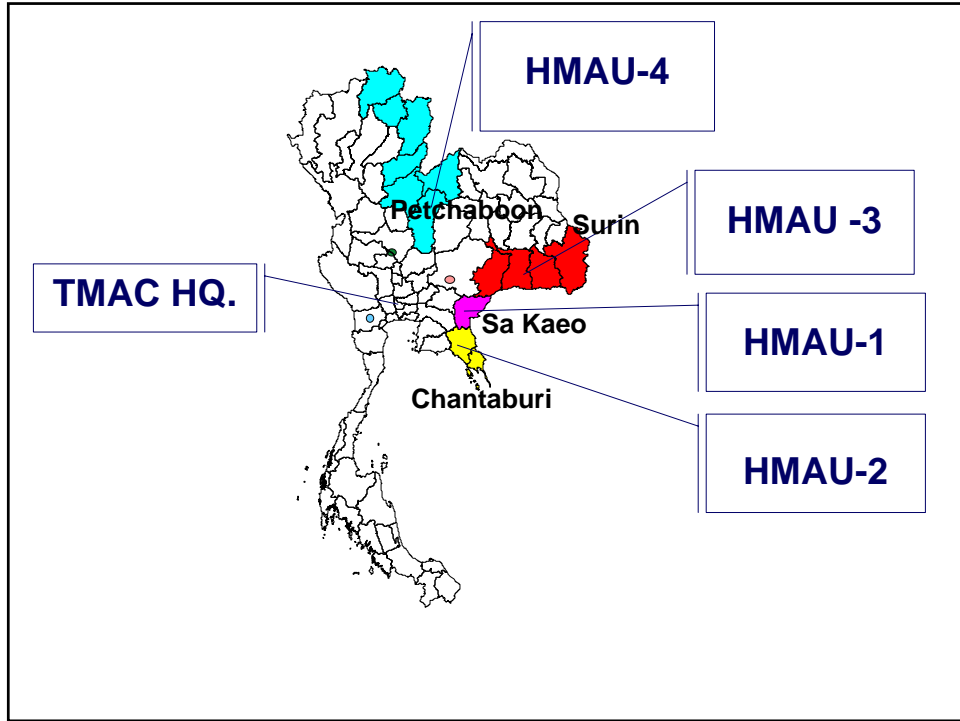
# the Mine Ban Convention

3 December 1997 signed  
the Convention

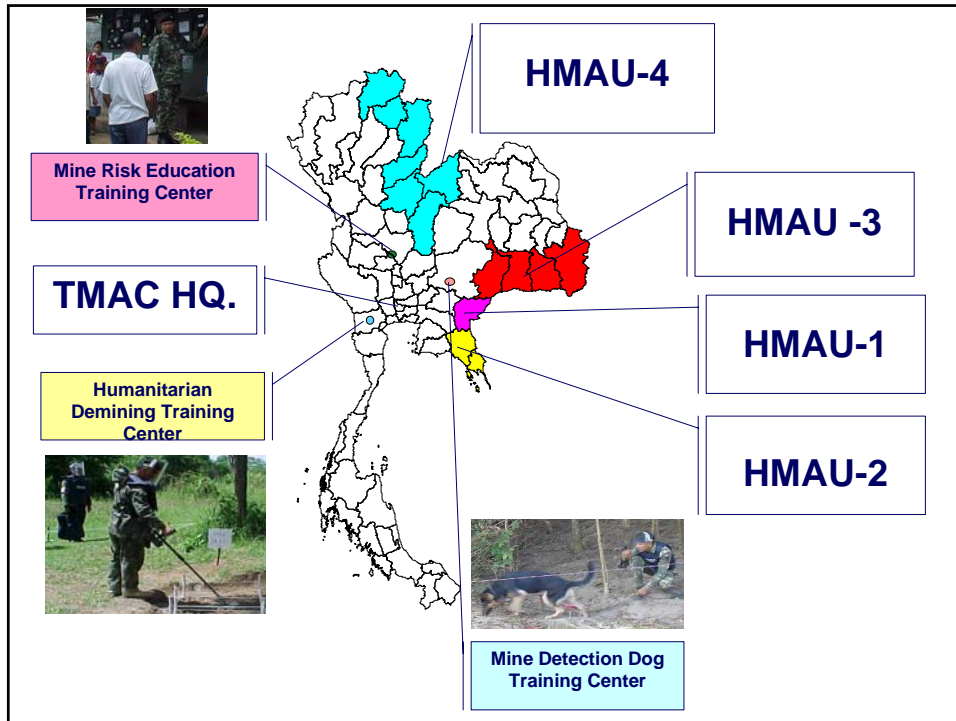
27 November 1998  
ratified the Convention

11











## Mine Risk Education Training Center



## Mine Detection Dog Training Center



# Traditional Manual Clearance Method

55.9 Sq.Km.



## Turn over Safe Areas



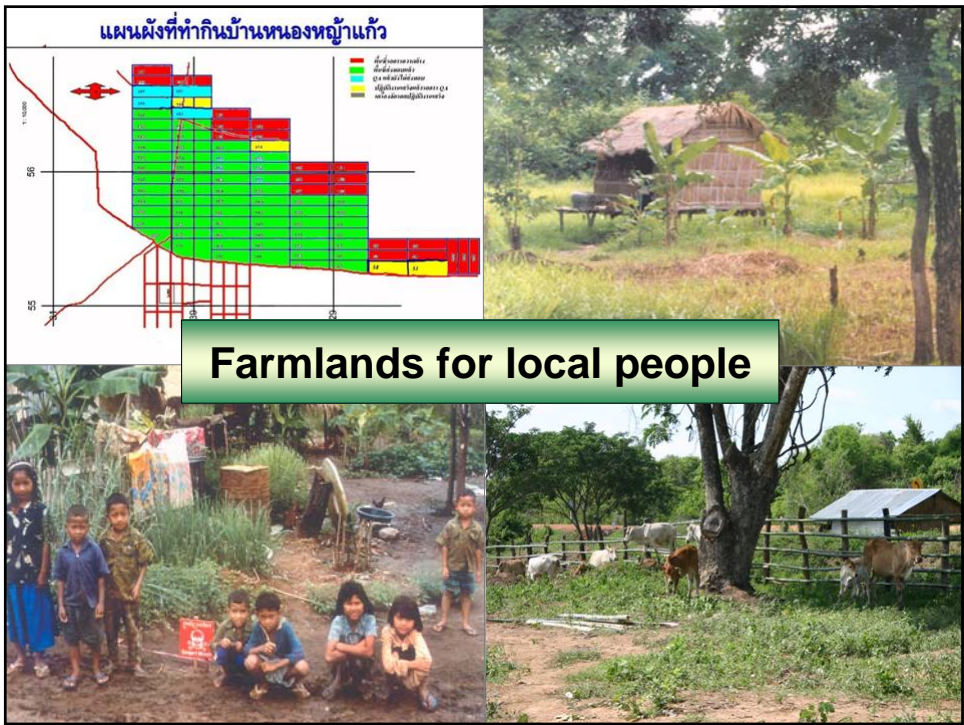








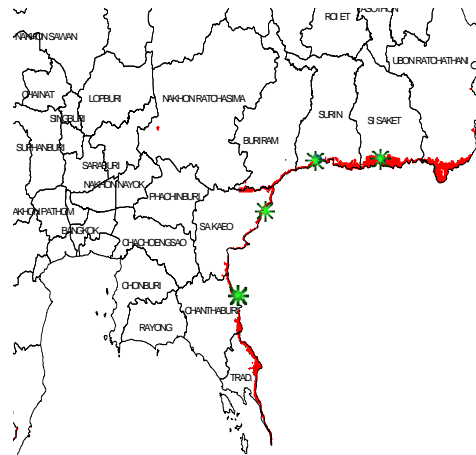
**Utility Areas  
for Communities and Schools**



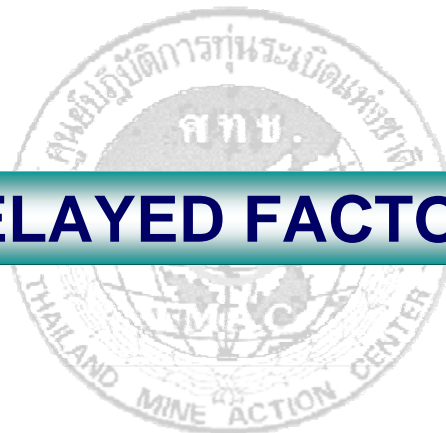
**Farmlands for local people**



## Economic Zone for border areas



**DELAYED FACTORS**





**OVER ESTIMATED OF MINE CONTAMINATED AREAS**



**NATURE OF MINE AREAS ( jungle & sloped terrain )**









**LIMITED RESOURCES AND FINANCIAL SUPPORT**  
due to more urgent problems



**TRADITIONAL MINE CLEARANCE METHOD**  
is very slow and costly

**NUMBER OF MINE DETECTED**

TYPE		NOs
ANTI-PERSONAL LANDMINE		1,462
ANTI-TANK MINE		11
UNEXPLODED ORDNANCE		873
CLUTTER		965,531

4/2/2009

## Locating Mine Field Procedure (LMP)



## Methodology

### 1. Collect and analyze all relevant data and information of minefields in Thailand

- Level 1 Impact Survey, past accidents, etc. from TMAC Data Base room
- Satellite images
- History of fighting, local military units, etc.
- Interview the local villager, ex- military, ex- insurgent, etc.

### 2. Draw draft mapping of possible mine fields

### 3. Field confirmation by technical survey teams

## Models Development for Locating Minefield procedure

**Canceling Survey** Areas that have been used over confident period of time such as farm lands, recreation areas, etc. and no evidence of explosive hazard, can be identified as **safe areas**

**Releasing Survey** for low contaminated area where random check is made by technical survey, area with negative result will be identified as **safe areas**

**Boundary Survey** for high contaminated area where majority of the area show evidence of explosive hazard, will be marked and identified as **mine fields**

## Method & Equipment that could be used together with Locating Minefield Procedure

Deploy de-miner and dog to make new border line of mine fields **Install warning signs**



Other appropriate Methods:

- Rake
- Pulling rope
- Etc.

Machine or other methods will be used for assuring the safety of:  
Public Area, recreation attraction currently used

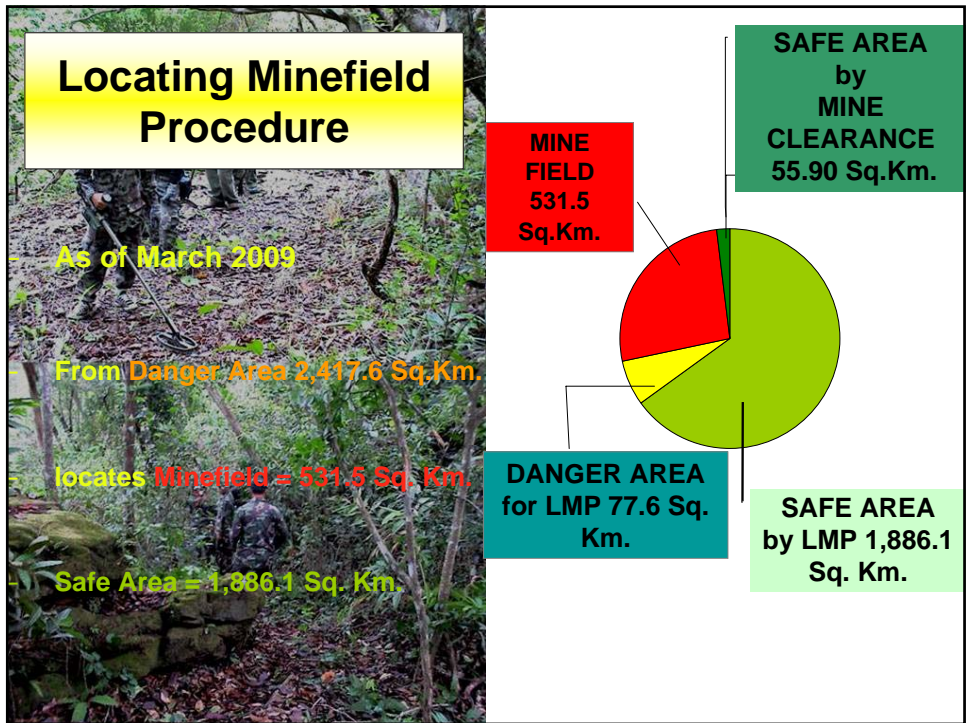
## Outcome from LMP

- Reduction of landmine contaminated areas
- Realistic size and accurate location of mine fields have been identified
- Many safe areas have been released for public uses
- New clearance priority can be obtained; based on actual mine fields
- Final mine clearance plan have been made more effective and practicable





**Field Operation for LMP**  
 Started October 2007



# THAILAND

- Request the Extension for 9.5 years
- From May 2009- November 2018





## OPERATIONAL PLAN AND BUDGET

YEAR	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
Minefield to be cleared (Sq. Km.)	43.07	43.28	41.73	41.95	41.05	62.92	61.95	64.71	64.18	63.51	528.3
BUDGET (Million Bahts)	1,421.31	1,428.24	1,377.09	1,384.35	1,354.65	2,076.36	2,044.35	2,135.43	2,117.94	2,095.83	17,432.58





**mobilize internal resources & support from international community**

