THAILAND IS ONE OF MINES AFFECTED COUNTRIES, ARMED CONFLICTS IN NEIGHBORING COUNTRIES, INTERNAL INSURGENCIES DURING THE PAST 50 YEARS.
Landmine Impact Survey conducted by NPA contaminated areas total of 2,557 square kilometers around Thailand

THAILAND – CAMBODIA

1,823 Sq.Km.
THAILAND – MALAYSIA

1.1 Sq.Km.

6% Of the area is in the communities
61% of area is in the forest
Mine Ban Convention

3 December 1997 signed the Convention

27 November 1998 ratified the Convention

Thailand Mine Action Center was established on 18 January 1999

Under the Patronage of Her Royal Highness Princess Galayaniwattana Kromluangarattirat Ratchanakarindra
Humanitarian Demining Training Center

22 classes
1,074 deminers
Mine Risk Education Training Center

14 classes
384 persons (14 civilians)

Mine Detection Dog Training Center

15 classes
134 dog handlers
32 MDDs
Traditional Manual Clearance Method

55.9 Sq.Km.

Turn over Safe Areas
Tourist Site

Sdok tok Tom castle, Sakaeo

Forest Replantation
Utility Areas for Communities and Schools

Farmlands for local people
Economic Zone for border areas

- Sakaeo
- Surin
- Sisaket
- Chantaburi

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

<table>
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<tr>
<th>Type</th>
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<tr>
<td>Anti-Personal Landmine</td>
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<tr>
<td>Anti-Tank Mine</td>
<td>11</td>
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<tr>
<td>Unexploded Ordnance</td>
<td>873</td>
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<tr>
<td>Clutter</td>
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Locating Mine Field Procedures (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 and 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

Locating Minefield Procedure

As of March 2009

From Danger Area 2,417.6 Sq.Km.
locates Minefield = 531.5 Sq.Km.
Safe Area = 1,886.1 Sq. Km.
THAILAND

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

National Mine Action Committee Meeting

- on 14 August 2008
- Approved the Mine Clearance and Budget plan
## OPERATIONAL PLAN AND BUDGET

### Minefield to be cleared (Sq. Km.)

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### BUDGET (Million Bahts)

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### APPLY LESSON LEARNT

BEST SUITED POLITICAL, GEOGRAPHY AND LANDSCAPE
mobilize internal resources & support from international community