

# The Convention on Cluster Munitions (CCM) and Clearance

- Article 4 of the Convention on Cluster Munitions states that each State party undertakes to “*clear and destroy, or ensure the clearance and destruction of, cluster munition remnants located in cluster munitions contaminated areas under its jurisdiction or control*” as soon as possible, but no later than ten years after entering into force of the Convention for that State party.
- State parties shall also “*survey, assess and record the threat posed by cluster munition remnants*”, ensure that contaminated areas are properly marked and civilians excluded from such areas, and provide risk reduction education. This shall be done while taking into account applicable international standards.
- **Remaining challenges**
- An important challenge for States parties with cluster munitions remnants contamination is to take advantage of the advances and improvements in techniques and methodologies for clearance, and to establish solid survey-based baselines to assess the size of the problem and to monitor progress.

# Identification of solutions to clearance

- *Suggestions*: the presentation could provide an overview of different means and techniques that in certain circumstances and under certain conditions might be useful. An important point to be raised would be that mine clearance techniques are not necessarily always applicable for CM clearance. Technological solutions might work, but only under certain circumstances (for example, big machinery vulnerable to other ERW and is not suitable for rough terrain, etc.). Dogs might work in some places, not others. (10 min)

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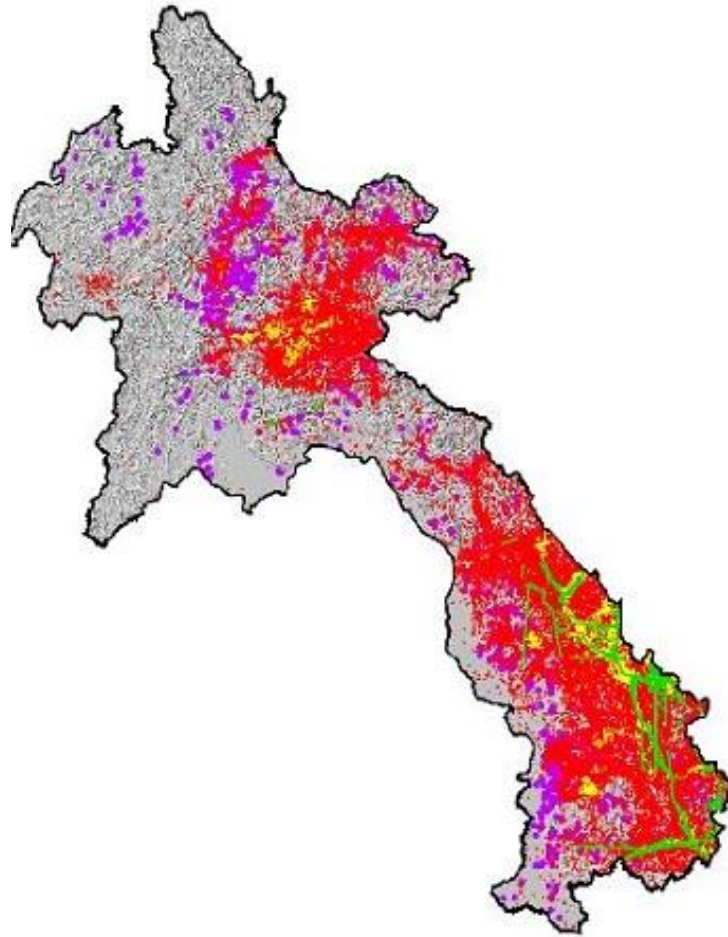
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# Survey planning stages

- Establishing baseline (Article 11 of Vientiane declaration) – on-going survey process in Laos.
- Focus on government identified priorities
- Detailed non-technical survey
- Technical survey

*Survey, assess and record the threat posed by cluster munition remnants*



# NPA CMRS survey

- Evidence based
- Time effective
- Links to revised IMAS supporting more effective clearance
- 25 - 30,000m<sup>2</sup> per day per section (of 6)



# UXO Lao survey

- Review of current TS processes
- Trials on evidence based processes
  - (linking in to principles of new IMAS land release)

# Where do we stop?



# Identification of solutions to clearance

- Mine clearance vs. Cluster munition clearance
- Technological solutions
  - Mechanical clearance
  - Vegetation clearance
- Mine detection dogs

# Technologies.



# Mine detection dogs



# Datalogging technology?



# Mechanical – technology challenges



# Questions?

