






The KINGDOM OF CAMBODIA

CMAC's Approach to International Cooperation in Mine Action

A Model of South-South Cooperation

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CMAC

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The Problem

History of wars and conflicts

1940's	1950's	1960's	1970's	1980's	1990's
World War II Colonial rule and struggle for independence	Peace and independence	US-Indochina wars and heavy bombing started	Heavy bombing continued	Ground battles and use of landmines	Limited ground battles and use of landmines
ERW		UXO (heavy) Some landmines	UXO (heavy) Some landmines	Heavy use of landmines Scattered UXO	Use of landmines Scattered UXO

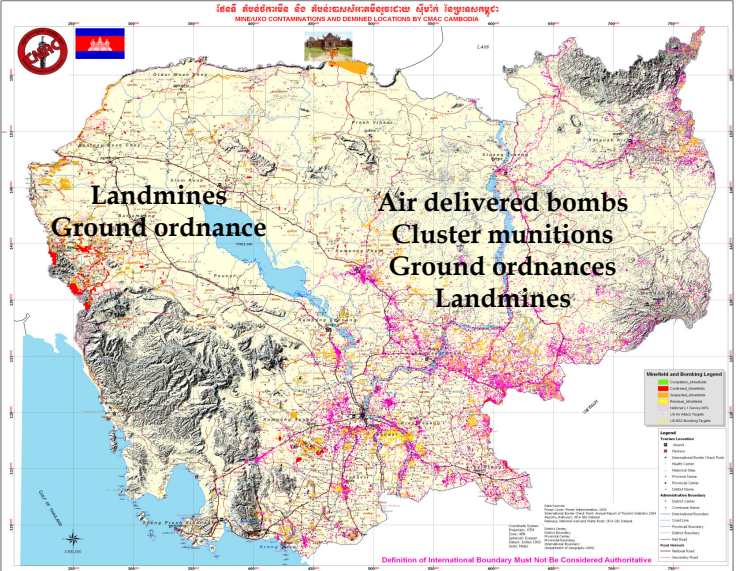










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The Problem

Contamination map

Landmine and ERW Problem



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The Problem

Level of contamination

1. ERW: • Bombs • UXO • AXO	• 2,75 million tons of air-dropped bombs from 1965 to 1973 • Ground ordnance from fighting between 1960's to 1998.	• Remaining contamination as of 2022: approx. 1,200 km²
2. Cluster munitions	• 28 million submunitions used	
3. Landmines	• Estimated: 4 to 6 millions	Remaining contamination as of 2022: approx. 800 km²
4. Chemical remnants		76 locations have been identified

From 1992 to 2021, the Kingdom of Cambodia:

- Released **2,350 km²** of contaminated land
- Found and destroyed **4,156,127 landmines and UXO**

Total remaining:
 • **Approx. 2,000 km²**

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Introducing CMAC




CMAC
Cambodian Mine action Centre

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Anniversary

June 1992 - June 2022

CMAC'S MISSION STATEMENT

"Saving lives and supporting development for Cambodia"

CMAC'S CORE PROGRAMS:

1. Mine/UXO risk education
2. Mine/UXO survey and marking
3. Mine/UXO clearance and disposal
4. Training in mine action

Facts:

- Established in 1992 by Royal Decree
- Status: National Institution
- Governing Council: Prime Minister as Chairman
- Main HQ's: Phnom Penh
- 6 Regional Demining Units: 6
- 1 Special Demining and Development Unit
- 1 Technical Institute of Mine Action (TIMA)
- 1 Peace Museum of Mine Action
- 1 Dog Centre
- 1 CMAC Community Development Center
- 1 Special Unit of Underwater Operations
- 1 Special Unit of Munitions Neutralization
- 1 Central Workshop

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Core Programs

Mine/UXO Clearance and Disposal

Tools employed:

- Manual demining teams and EOD
- Mine/UXO detection dogs
- Mine detection Rats
- Mechanical assets
- Diving team
- Demining and development







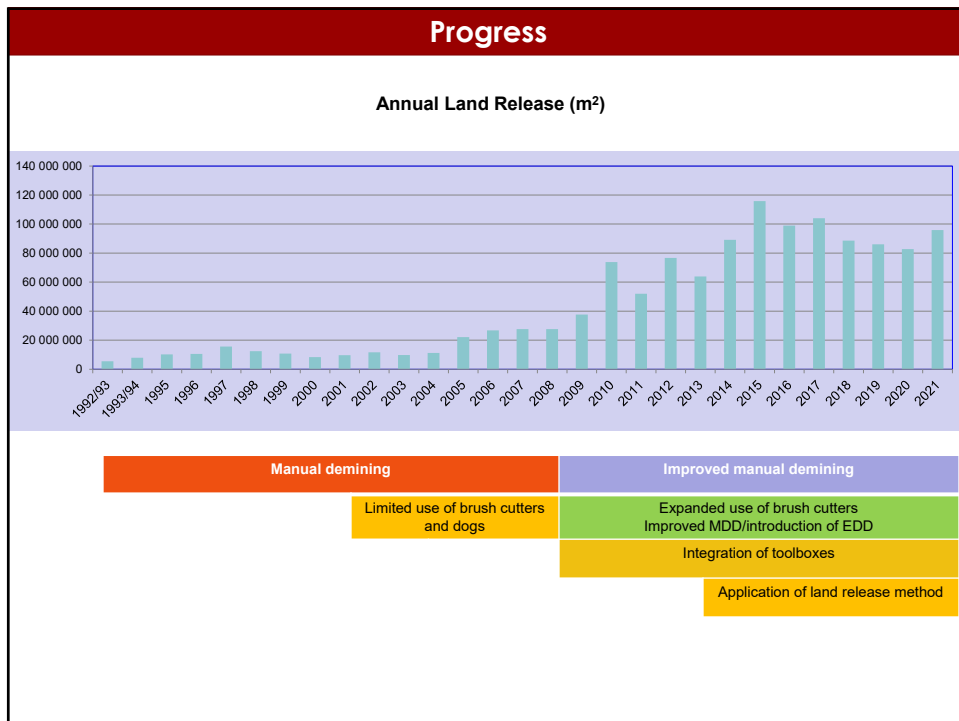








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Progress	
Progress 1992-2021	
<ul style="list-style-type: none"> • Area Released (Minefields & UXO Fields) • Total Mines founded and destroyed <ul style="list-style-type: none"> • Anti-Personnel Mines Found • Anti-Tank Mines Found • Improvised Mines • Total ERW Found and Destroyed (UXO) <ul style="list-style-type: none"> • Bomb • Cluster • Other UXO • Evidence of Chemical Drum Found • Small Arm • Fragments • Other munition • Task Responded: • Total Area Released: <ul style="list-style-type: none"> • approx. 55% of total national land release • Total number of landmines/UXO destroyed: <ul style="list-style-type: none"> • approx. 70% of national grand total 	<ul style="list-style-type: none"> : 1,308,660,443 m² (1,308 km²) : 571,956 : 558,332 : 11,255 : 2,369 : 2,348,479 : 2,886 : 428,096 : 1,917,497 : 76 Locations : 114,040 Kg : 465,676,128 : 131,890 : 120,824 <div> <ul style="list-style-type: none"> • Released: <ul style="list-style-type: none"> • 1,308 km² • Mines/UXO: <ul style="list-style-type: none"> • 2,920,435 </div>

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International Cooperation
What has been done?
<ul style="list-style-type: none"> • Exchange visits and programs • Cross-border demining cooperation • Dispatch of experts and tools • South-South Cooperation

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International Cooperation

Cross-Border Demining Cooperation

- Demining Cooperation along the Cambodian-Thai Border
- Tasked by both countries to CMAC and TMAC
- Project implemented in 2020 and 2022, supported by NPA
- On-going exchanges, discussions and implementation



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International Cooperation

Dispatch of Experts and Tools

- Mine detection dogs in South Sudan and Turkey (APOPO)
- Testing and training of mechanical systems in Laos (JICS)
- Training of mechanical systems in Colombia (JICS)
- Dispatch of MDD experts to Colombia (NPA)
- Dispatch of EOD experts to the Marshall Islands (with Golden West Foundation)



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International Cooperation
South-South Cooperation
<p>Background</p> <ul style="list-style-type: none"> CMAC's South-South Cooperation Program was initiated and has been financially supported by JICA. With successful implementation of grant aid projects and the project for "Strengthening organizational functions of CMAC", JICA wanted to utilize CMAC's expertise and experience to share with other mine affected countries.

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International Cooperation
South-South Cooperation
<p>Mechanism and Process</p> <div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <pre> graph TD JICA((JICA Funding Facilitation Networking)) --> TC((Third Country Recipient party)) TC --> CMAC((CMAC Implementing organization)) CMAC --> JICA </pre> </div> <div style="flex: 1; padding-left: 20px;"> <p>Process:</p> <ol style="list-style-type: none"> 1. Official request from a third country (recipient) 2. Request survey (needs assessment) 3. Formulation and signing of Minutes of Discussions 4. Formulation and approval of Program and Budget, Contracts signed 5. Implementation and feedback 6. Mid-term review 7. Final review 8. Follow-up actions </div> </div>

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International Cooperation
South-South Cooperation
<p>Objective and Purpose</p> <p>Overall Objective:</p> <p>To share knowledge and learn from each other's experience</p> <p>Purpose:</p> <p>To develop human resources and strengthen institutional capacity of participating organizations through sharing knowledge and experience with each other</p>

International Cooperation
South-South Cooperation
<div>  <p>Laos</p> </div> <div>  <p>Angola</p> </div> <div>  <p>Colombia</p> </div> <div>  <p>Iraq/KRG</p> </div>

International Cooperation

South-South Cooperation

Implementation

Angola (INAD)

Phase 1: 2014 – 2015

Phase 2: 2016

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International Cooperation

South-South Cooperation

Implementation

Iraq/KRG

2016 – 2020

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International Cooperation			
South-South Cooperation			
Progress			
Year	Country	Number of courses	Number of trainees
2010-2012	Colombia (Phase I)	3	45
2019-2022	Colombia (Phase II)	7	115
2012-2014	Lao PDR (Phase I)	5	109
2015-2018	Lao PDR (Phase II)	5	55
2019-2023	Lao PDR (Phase III)	5	39
2014-2016	Angola-INAD (Phase I)	3	45
2016	Angola-INAD (Phase II)	1	20
2016-2020	IRAQ/KRG	7	172
Total:			<u>600</u>

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International Cooperation	
South-South Cooperation	
What can CMAC share?	
<ol style="list-style-type: none"> 1. Landmine clearance 2. Battle area and cluster munitions clearance 3. Surveys 4. EOD level 1, 2, 3 5. Mine/UXO detection dogs training and operations 6. Applications of mechanical assets 7. Land Release 8. MRE: community participatory approach 9. Standards Operations Procedures 10. Integration of toolboxes 11. Planning and Prioritization 12. Integrated mine action and development 13. Database and information management 14. Human resource management 15. Training management 16. General mine action management 17. Others 	

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International Cooperation

South-South Cooperation

Impacts and benefits

- Provides a forum for exchange of experience, skills and best practices, resulting in deeper understanding of issues and challenges faced by each participant country not only about the MA but also the peace building process.
- Facilitates reflection on strengths and weaknesses and looking for solutions for improvements
- Promotes adoption and applications of best practices
- Promotes organizational and employees' attitude and behavior changes
- Promotes positive changes and impacts in organizational and operational management
- Promotes organizational and personal networking as well as cultural exchange
- Opportunity to explore...

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