



KINGDOM OF CAMBODIA
Nation, Religion, King



CAMBODIAN MINE ACTION CENTRE
(CMAC)

South-South Cooperation Program

November 2021

**TABLE
OF
CONTENTS**

- 1. CMAC: Activities and Progress**
- 2. South-South Cooperation Program**

1. CMAC: Activities and Progress

Establishment

MISSION STATEMENT

“Saving lives and supporting development of Cambodia”



CORE PROGRAMS:

- Minefield survey and information
- Mine/UXO risk education
- Mine/UXO clearance and disposal
- Training in mine action

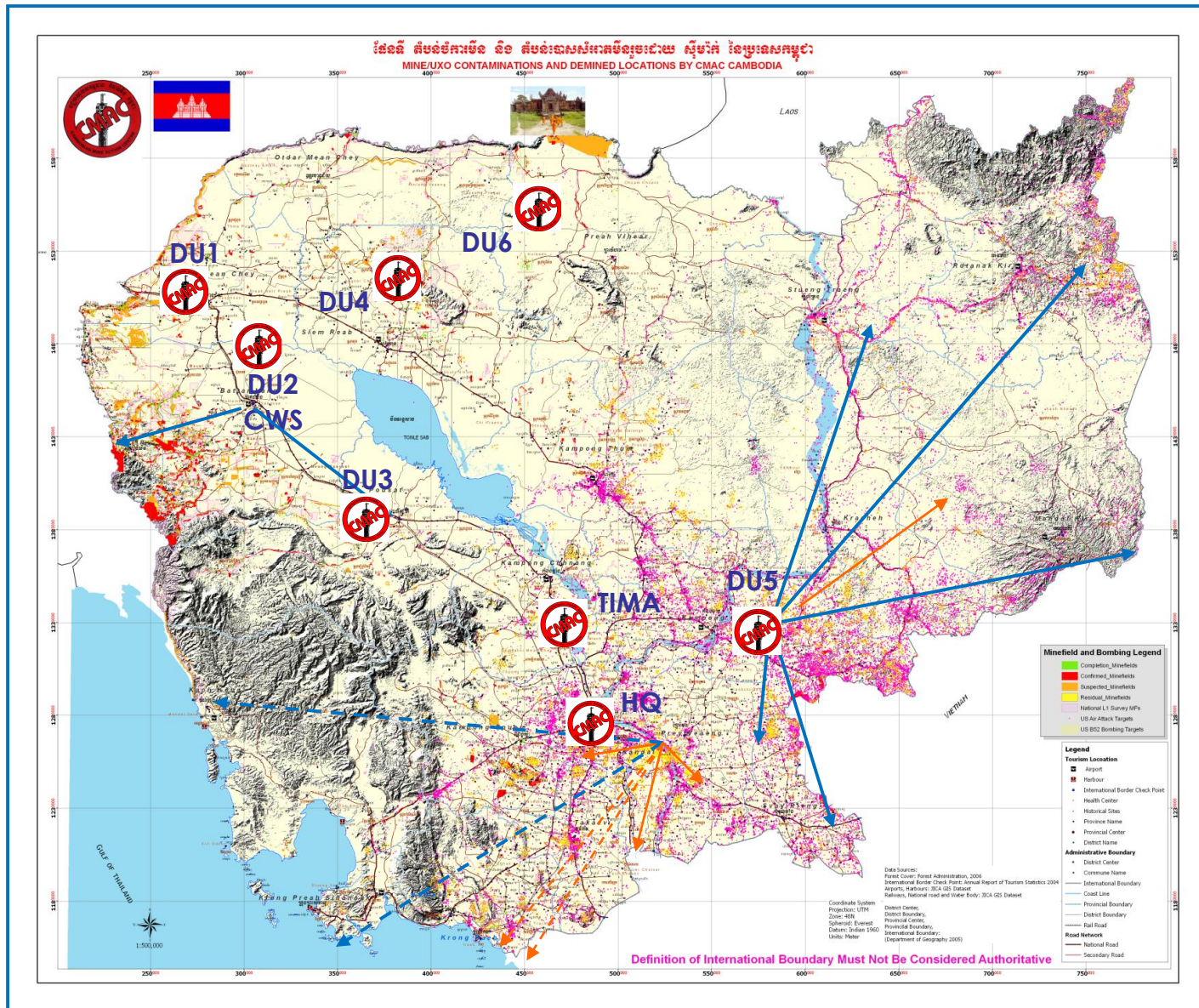


Key Facts:

- Established by Royal Decree
- Year of establishment: 1992
- Status: National Institution
- Governing Council: Prime Minister as Chairman
- Main HQ: Phnom Penh
- Number of staff: approx. 1,500
- Structure:
 - 6 Regional Demining Units (DU),
 - 1 Demining and Development Unit (DDU)
 - 1 Technical Institute of Mine Action (TIMA),
 - 1 Peace Museum of Mine Action,
 - 1 Dog Centre,
 - 1 Central Workshop,
 - 1 CMAC Deminer Development Centre.

CMAC: Establishment and Core Programs

Projects and Deployment



1. CMAC: Activities and Progress

Clearance and Disposal: Tools

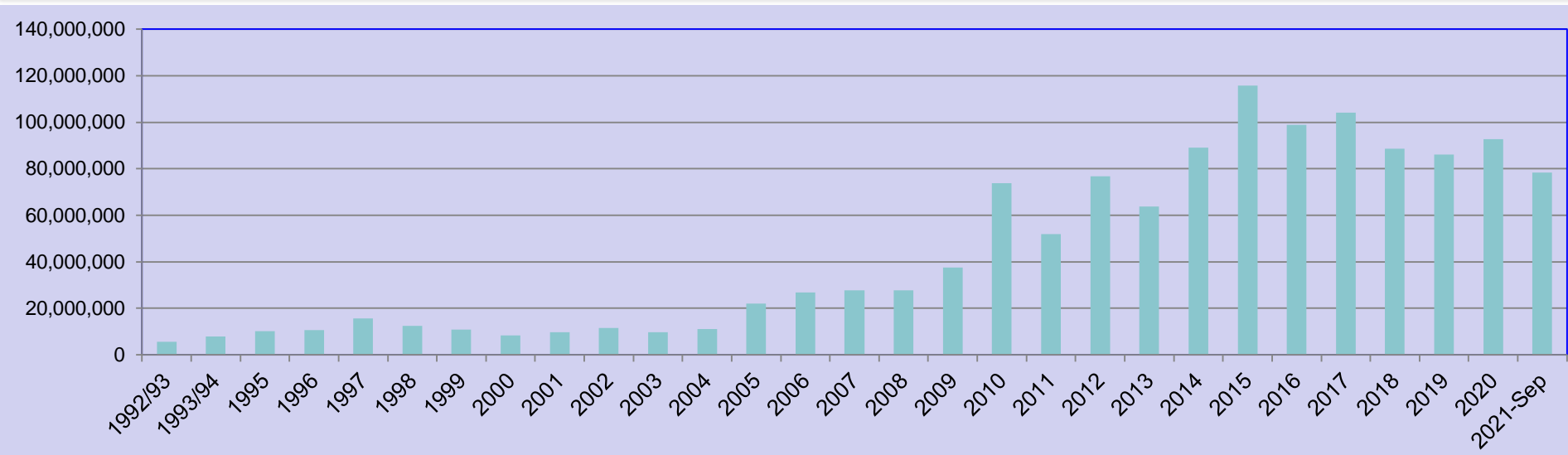
Tools employed:

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



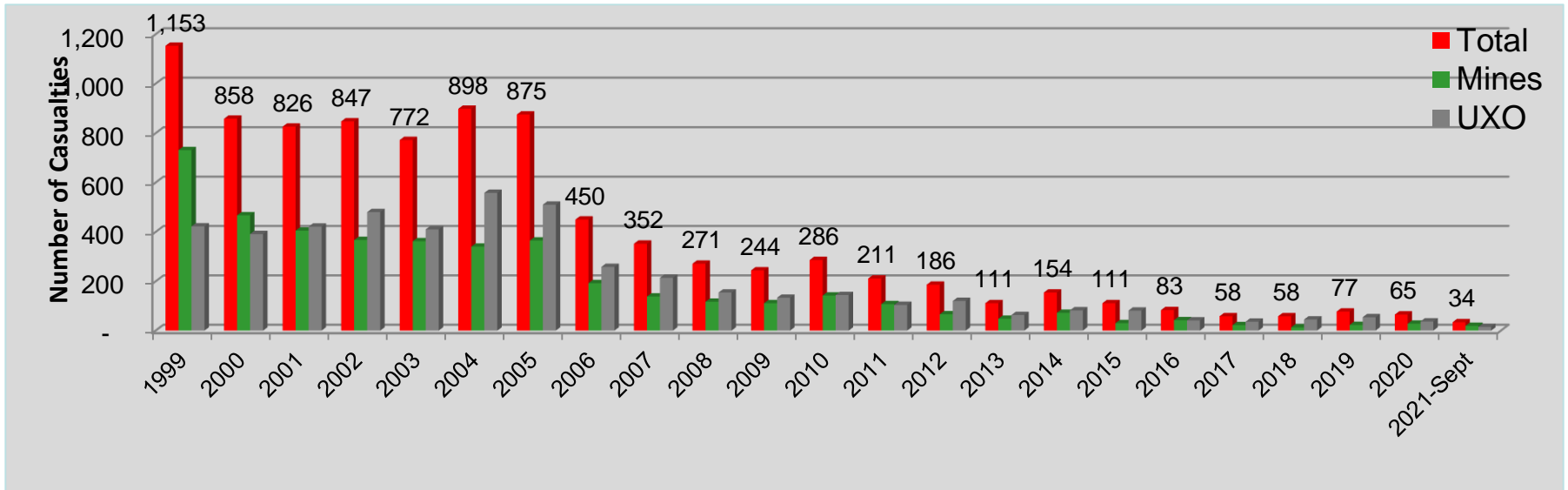
1. CMAC: Activities and Progress

Clearance and Disposal – Progress and Achievements



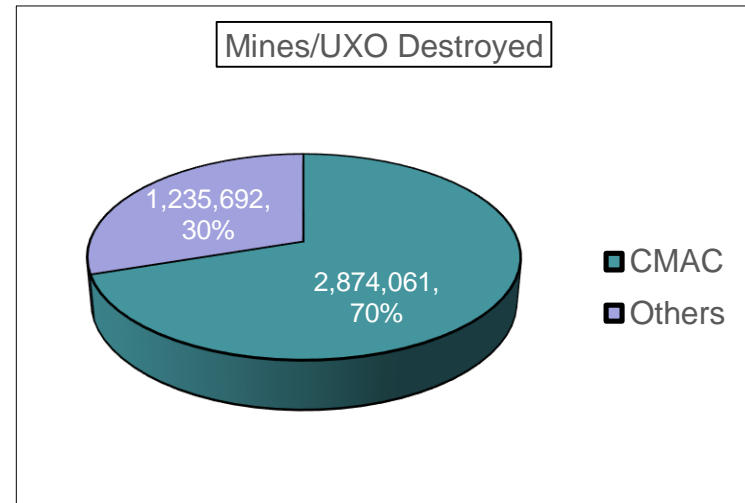
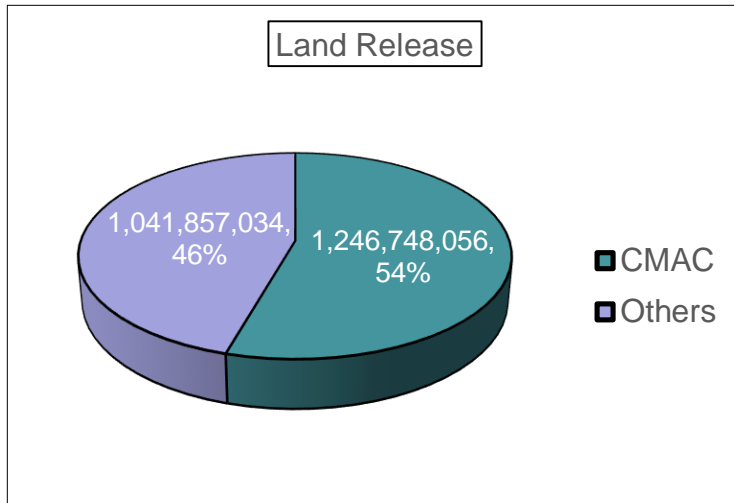
1. CMAC: Activities and Progress

Positive Impact: Casualty Drop



1. CMAC: Activities and Progress

National Demining Progress 1992 - September 2021						
No.	PROGRESS	TOTAL	CMAC	%	Other Operators	%
1	Land Release (m ²)	2,288,605,090	1,246,748,056	54%	1,041,857,034	46%
2	Mines/UXOs Destroyed	4,109,753	2,874,061	70%	1,235,692	30%
2.1	AP Mines	1,664,941	550,744		563,453	
2.2	AT Mine	36,943	11,111		14,721	
2.3	Improvised Mines	4,706	2,353			
2.4	ERW	5,277,224	2,309,853		657,518	

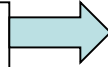


1. CMAC: Activities and Progress

Contributing Factors

Inputs:

- RGC
- Donors
- Partners
- Expert Institutions



Process three contributing factors

- **Technology Factor: R&D, technology and tool improvements**
- **System/Methodology Factor: Innovative methodologies and SOP's, continuous training**
- **Human Factor:**
 - **Continuity of leadership**
 - **Continuity of experienced management**
 - **Continuity of technical staff (deminers and team members) with tacit knowledge and experience**



Outputs:

- Safety
- Quality
- Productivity
- Efficiency

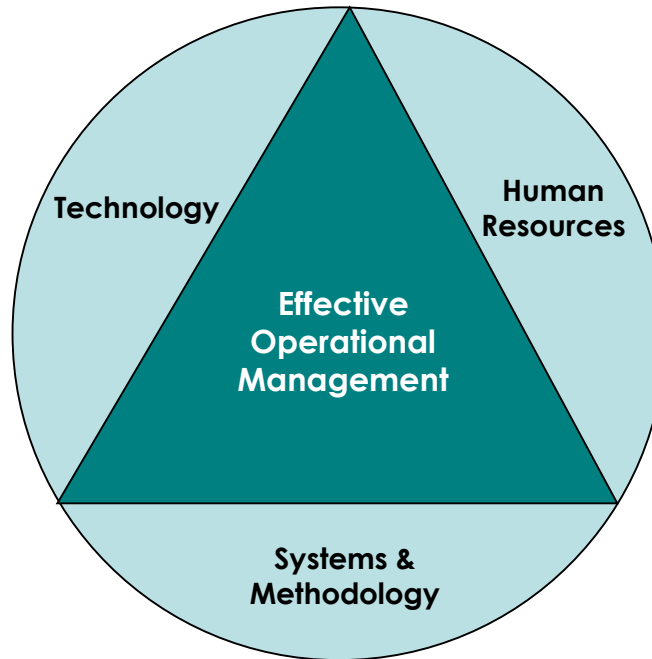


South-South Cooperation



What Can CMAC share ?

- **Diversity of tools and toolboxes**
- **Effective application of tools: right tool for the right task**
- **Equipment maintenance**



- **Skilled and experienced experts in operations and maintenance**
- **Management of human resources**
- **Commitment and positive attitude**
- **Leadership**

- **Training**
- **SOP (development/improvements)**
- **Toolbox integration**
- **Prioritization**
- **Field planning and management**
- **Risk analysis and management**
- **Policies and procedures**

2. South-South Cooperation

Topics which CMAC can share:

1. General mine action management
2. Battle area clearance
3. Mine and UXO dog operations
4. ERW/cluster munitions survey
5. Land Release
6. MRE: community participatory approach
7. Standards Operations Procedures
8. Integration of toolboxes
9. Applications of mechanical assets in mine/UXO clearance
10. Planning and Prioritization
11. Integrated mine action and development
12. Database and information management
13. Human resource management
14. Training management

2. South-South Cooperation

Potential cooperation

1. Provision of training
 - Both in Khmer and English languages
 - Training in Cambodia or dispatch of instructors to a third country
 - Sharing training facilities
 - Tailored training
2. Research and development
 - Sharing of facilities and experience
 - joint R&D activities
 - Test and evaluation services
3. Dispatch of clearance/survey experts
4. Joint workshops or seminars on operational matters
5. Exchange study visits
6. Lease of MDD/EDD's

2. South-South Cooperation

Overall Objective:

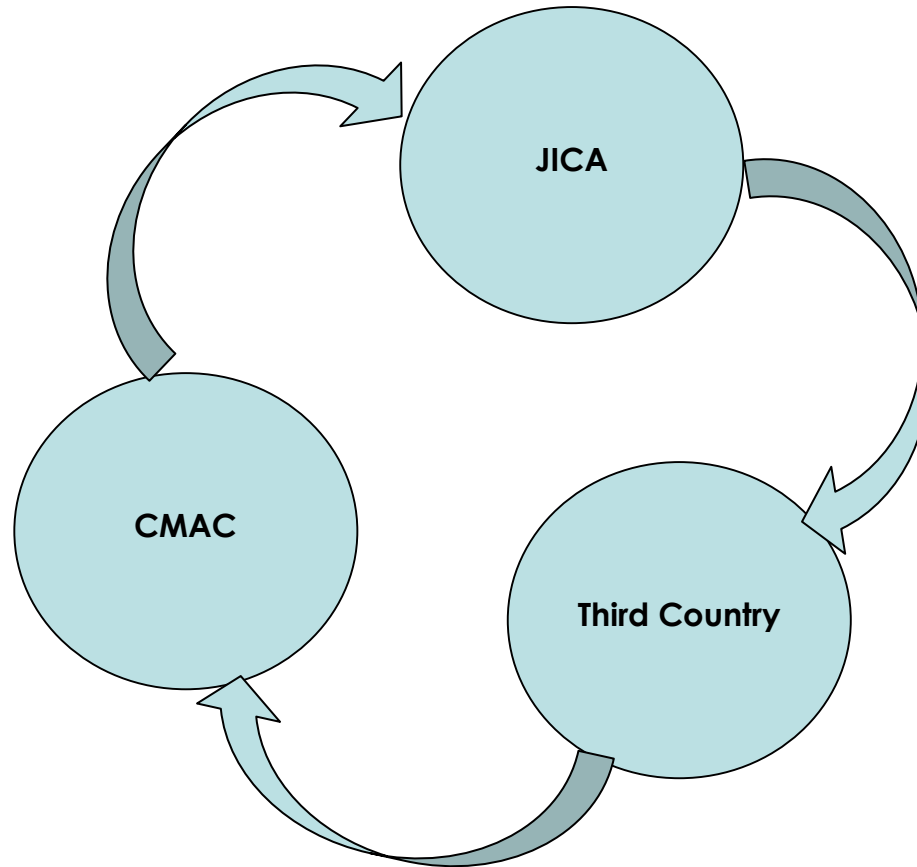
To share knowledge and learn from each other's experience

Purposes:

- Development of human resources and strengthening institutional capacity of participating organizations through sharing knowledge and experience with each other
- Knowledge exchange and sharing of experiences among mine and UXO affected countries in way of enhancing the mine action practice due to different nature of landmine and UXO problems and practices in individual countries

2. South-South Cooperation

Mechanism and Process



2. South-South Cooperation



Laos



Angola



Colombia



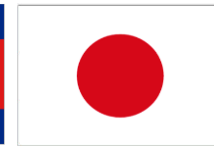
2. South-South Cooperation

Year	Country	Number of courses	Number of trainees
2010-2012	Colombia (Phase I)	3	45
2019-2022	Colombia (Phase II)	7	113
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>598</u>

2. South-South Cooperation

Phase I

Third Country Training on Strengthening the Presidential Program for Comprehensive Action against Antipersonnel Mine (PAICMA) 2010-2012



2010-2011

1. Introduction to Mine Action Policy And Management

2. Integrated Mine Action Approach

3. Survey and Clearance Management

4. Information and Database Management

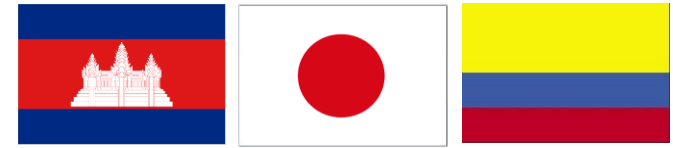


3 groups of 15 PAICMA Staff 18 spending 2 weeks in Cambodia

2. South-South Cooperation

Phase I

Third Country Training on Strengthening the Presidential Program for Comprehensive Action against Antipersonnel Mine (PAICMA) 2010-2012



2012

Post-Learning Assessment and extended training

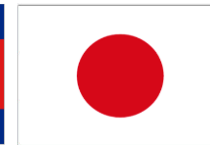
- Post-learning Assessment
- Local Authority Training in 3 Region in Colombia conducted by CMAC staff:
 - Planning and Prioritization
 - Local Authority Training
- Socialization seminar on toolbox integration

3 Regions
Bogota, Medellin, Cartagena

2. South-South Cooperation

Phase II

Third Country Training on Strengthening the Presidential Program of Mine Action in Colombia (DAICMA) 2019-2022



2019-2022

1. EOD Level 3 and 3+ (only theory)

2. Training of Trainers on Canines (MDD)

3. General Mine Action Management, Planning and Prioritization

4. Land Release Application

5. Mechanical Training System Training the Trainers

6. Information Management

7. Quality Management, SOP's (2022)



2. South-South Cooperation



2. South-South Cooperation



2. South-South Cooperation

Approach: Needs assessment



2. South-South Cooperation

Approach: In-class presentations, Q&A's, and discussions



2. South-South Cooperation

Approach: Organizational visits



2. South-South Cooperation

Approach: Field visits



2. South-South Cooperation

Approach: Field visits



2. South-South Cooperation

Approach: Feedback, evaluation, and certification



2. South-South Cooperation

Approach: Cultural exchange



2. South-South Cooperation

Approach: Socialization



2. 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 (through observation and lessons learned)
- Promotes positive changes and impacts in organizational and operational management
- Promotes organizational and personal networking as well as cultural exchange
- Provides an opportunity and foundation for extended and follow-up cooperation programs



national bank of cambodia



Cambridge University



www.panoramio.com



Would you like some tea, please?



www.alamy.com

