

Intersessional Standing
Committee on Mine Clearance,
Mine Awareness and Mine
Action Technologies

**THE 10 DEADLINE UTOPIA OR
REALITY ?**

28 May 2002



**ICBL Mine Action
Working Group**

THE MINE BAN TREATY

ARTICLE 5 : Destruction of anti-personnel mines in mined areas

Each State Party undertakes to destroy or ensure the destruction of all anti-personnel mines in mined areas under its jurisdiction or control, as soon as possible but not later than ten years after the entry into force of this Convention for that State Party.



MINE AFFECTED STATE ?

Country	ART. 7		VICTIMS	
	CCL		VICTIMS REPORTED ONCE MIN.	NEW VICTIM 2000
Albania			YES	YES
Algeria			YES	YES
Argentina	Y			
Bangladesh			YES	YES
Belgium	N		YES	
Bolivia	N			YES
Bosnia & Herzegovina	Y		YES	YES
Bulgaria	Y/N		YES	
Cambodia	Y		YES	YES
Canada	Y			
Chad			YES	YES
Chile			YES	YES
Colombia	Y		YES	YES
Congo (Brazzaville)			YES	
Costa Rica	Y		YES	
Croatia	Y		YES	YES
Czech Republic	Y		YES	
Denmark	Y		YES	
Djibouti			YES	YES
Ecuador	Y		YES	YES
El Salvador	N		YES	YES
Eritrea			YES	YES
Fiji	N			YES
France	Y			
Germany	N			
Guatemala	N		YES	
Guinea				
Guinea-Bissau			YES	YES
Honduras	Y		YES	
Hungary	N		YES	
Italy	N			
Jordan	Y		YES	YES
Kenya	N		YES	YES
Kiribati	N			

Country	ART. 7		VICTIMS	
	CCL		VICTIMS REPORTED ONCE MIN.	NEW VICTIM 2000
Lesotho			YES	
Liberia			YES	YES
Macedonia FYR	N		YES	YES
Malawi			YES	YES
Malaysia	N		YES	
Mauritania	Y		YES	YES
Moldova, Republic of	N		YES	Yes
Mozambique	Y		YES	YES
Namibia			YES	YES
Netherlands	N			
Nicaragua	Y		YES	YES
Niger			YES	yes
Panama			YES	
Peru	Y		YES	YES
Philippines	N		YES	YES
Rwanda	Y		YES	YES
Senegal	Y		YES	YES
Sierra Leone			YES	YES
Solomon Islands				
South Africa	N		YES	
Swaziland	Y		YES	
Tajikistan			YES	YES
Tanzania United Republic			YES	YES
Thailand	Y		YES	YES
Tunisia	Y		YES	
Uganda			YES	YES
United Kingdom	Y			
Yemen	Y		YES	YES
Zambia	Y		YES	
Zimbabwe	Y		YES	YES

Country	Considered to be MA in LM 99/00/01	Remarks : informations summarized from LM report 1999-2000-2001
Albania	YES	minefields on border + UXO
Algeria	YES	old WWII, independence war (up 1962), new mines in 1990's
Argentina	YES	Malvinas + Chilian border (Chilian side)
Bangladesh	YES	Border with Burma
Belgium	YES	from WWII, mainly UXO
Bolivia	YES	Border with Chile (1970's)
Bosnia & Herzegovina	YES	mines and UXO (1990's)
Bulgaria		Has cleared all 76 minefields before entry into force.
Cambodia	YES	mines and UXO (70's 80's 90's)
Canada	NO	UNFUSED
Chad	YES	200-250 localities are Mine / UXO affected (70's)
Chile	YES	293 minefields on the borders with Argentina,Peru, Bolivia
Colombia	YES	162 communities mine affected
Congo (Brazzaville)	YES	Mines laid in 97 have been cleared, no longer a major problem
Costa Rica	YES	Nothern border - Nicaraguan conflict. Number under 2000
Croatia	YES	Mines and UXO's (1990's) in 14 counties
Czech Republic	YES	Remnants from Soviet troops (1968-1991) 2 tons of Mines
Denmark	YES	from WWII minefields in Skallingen completely marked.
Djibouti	YES	1991-1994 internal war
Ecuador	YES	Ecuador/Peru conflict (early 1990's)
El Salvador	YES	Mines from 1980-1992 civil war. Have been cleared and officially declared Mine Free. But controvers
Eritrea	YES	30 years of conflict for independence + 1998-2000 conflict with Ethiopia : Heavily mined
Fiji	NO	Fijian peacekeepers injured in South Lebanon
France	NO	Djibouti territory
Germany	NO	was mined. Has cleared land for 1995, once in a while a mine can still be found
Guatemala	YES	Mainly UXO threat , mines present between hundreds and 1500.
Guinea	YES	Some mines at border areas from conflicts with Sierra Leone and Liberia
Guinea-Bissau		independence war + Conflict 1999/99 : mainly in the capital and at front lines est. 20.000
Honduras	YES	During the 80's,
Hungary	YES	WWII + Soviet army + conflict 91-95 no vicitms since 50, One mine field
Italy	YES	WWII, but cleared, UXO problem from 1999 Conflict in Yougoslavia/NATO

Country	Considered to be MA in LM 99/00/01	Remarks : informations summarized from LM report 1999-2000-2001
Jordan	YES	5 minefields, one mine suspected zone + Jordan's military survey
Kenya	YES	UXO from WWI and WWII, + recent (Kenya, US , UK)army manœuvres + suspicion ?
Kiribati	YES	UXO from WWII
Lesotho	NO	Accidents due to Antitank mine in 1980's
Liberia	YES	Was affected and has been cleared. To be confirmed if mine free or not.
Macedonia FYR	YES	contradictory statement : mines on border , all on Yugoslavian side. But numbers of accidents at
Malawi	YES	slight problem from spill over from Mozambique (refugees and rain). Said it was cleared.
Malaysia		has been cleared of mines laid in 50's to 80, no more new victims
Mauritania	YES	1975-78 War : Mines and UXO + some from WWII
Moldova, Republic of	YES	Conflict with PMR mines laid in the 1990's. + UXO from WWII
Mozambique	YES	Mines from civil war : 1374 suspected mined areas reported., 728 Mine affected communities
Namibia	YES	growing problem in 2000 (low intensity conflict involving Namibian, Angola/UNITA)
Netherlands	YES	Mines and UXO from WWII, but no mined areas
Nicaragua	YES	369 mined areas on the border and 39 inside.
Niger	YES	Mines due to conflicts in 1990's + remaining from WWII
Panama	YES	UXO contamination from US training and testing before 1997, including claymore mine
Peru	YES	Three parts of the country affected from different origin, 1980's and 1990's
Philippines	YES	Presence of mines, no clear info
Rwanda	YES	Landmines from the 1990's conflict.
Senegal	YES	Mine affected from conflict in Casamance
Sierra Leone	YES	Conflict in 94-95 97-98 + smugglong in the 50's- More UXO problem. Impact limited
Solomon Islands	YES	UXO left over from WWII ,
South Africa		NO inf re/mine but accident from before 1991. Mine action center to be established ?
Swaziland	YES	One small minefield + incident along border with Mozambique
Tajikistan	YES	Serious problem from conflict post-independence.
Tanzania United Republic	YES	Victims from border with Burundi. . (not clear wich side)Explosions reported
Thailand	YES	530 mine affected communities reported.
Tunisia	YES	mines laid in 1976-1980 + residual from WWII
Uganda	YES	Mines laid in small minefields or in isolation
United Kingdom	YES	Falklands/Malvinas islands are heavily mined./ no casualties nor negative impact
Yemen	YES	592 affected commmunities. 923 sq km.
Zambia	YES	nuisance mining by rebels on border areas 6 provinces affected.
Zimbabwe	YES	7 areas identified as mined, along border with Mozambique adn Zambia(from the 70's)

Country	LM 99/00/01	Mine/Mine& UXO aff.	UXO affected	NO MORE MINE AFFECTED
Albania	YES	X		
Algeria	YES	X		
Argentina	YES	X		
Bangladesh	YES	X		
Belgium	YES		X	X
Bolivia	YES	X		
Bosnia & Herzegovina	YES	X		
Bulgaria				X
Cambodia	YES	X		
Canada	NO			X
Chad	YES	X		
Chile	YES	X		
Colombia	YES	X		
Congo (Brazzaville)	YES	X		
Costa Rica	YES	X		
Croatia	YES	X		
Czech Republic	YES	X		
Denmark	YES	X		
Djibouti	YES	X		
Ecuador	YES	X		
El Salvador	YES	X		
Eritrea	YES	X		
Fiji	NO			X
France	NO		X	X
Germany	NO			X
Guatemala	YES	X		
Guinea	YES	X		
Guinea-Bissau		X		
Honduras	YES	X		
Hungary	YES	X		
Italy	YES		X	X

Country	LM 99/00/01	Mine Aff. OR Mine&UXO aff.	UXO affected	NO MORE MINE AFFECTED
Jordan	YES	X		
Kenya	YES	X		
Kiribati	YES		X	
Lesotho	NO			X
Liberia	YES	X		
Macedonia FYR	YES	X		
Malawi	YES	X		
Malaysia				X
Mauritania	YES	X		
Moldova, Republic of	YES	X		
Mozambique	YES	X		
Namibia	YES	X		
Netherlands	YES		X	X
Nicaragua	YES	X		
Niger	YES	X		
Panama	YES		X	
Peru	YES	X		
Philippines	YES	X		
Rwanda	YES	X		
Senegal	YES	X		
Sierra Leone	YES	X		
Solomon Islands	YES		X	
South Africa	?			X
Swaziland	YES	X		
Tajikistan	YES	X		
Tanzania United Republic	YES	X		
Thailand	YES	X		
Tunisia	YES	X		
Uganda	YES	X		
United Kingdom	YES	X		
Yemen	YES	X		
Zambia	YES	X		
Zimbabwe	YES	X		

IMPACT CLASSIFICATION

RE/ VICTIMS



	HIGH	MEDIUM	LOW	NO
Country	more than 100 vict/year	between 15 and 100 New vict/year	less than 15 New vict/year	0 new victim reported since 99
Cambodia	X			
Chad	X			
Namibia	X			
Thailand	X			
Colombia	X			
Eritrea	X			
Philippines	X			
Senegal	X			
Tajikistan	X			
Albania		X		
Algeria		X		
Bangladesh		X		
Bosnia & Herzegovina		X		
Croatia		X		
El Salvador		X		
Kenya		X		
Liberia		X		
Malawi		X		
Mozambique		X		
Nicaragua		X		
Rwanda		X		
Uganda		X		
Yemen		X		
Macedonia FYR		X		
Tanzania United Republic		X		

Bolivia			X	
Chile			X	
Djibouti			X	
Ecuador			X	
Guinea-Bissau			X	
Jordan			X	
Mauritania			X	
Niger			X	
Peru			X	
Sierra Leone			X	
Zambia			X	
Zimbabwe			X	
Argentina				X
Congo (Brazzaville)				X
Costa Rica				X
Czech Republic				X
Denmark				X
Guatemala				X
Guinea				X
Honduras				X
Hungary				X
Moldova, Republic of				X
Swaziland				X
Tunisia				X
United Kingdom				X

COMMENTS

A classification on victims is not enough. We should include other elements : e.g.

- access to land and infrastructure denied
- Type of munition
- Other social or economical factors



Within the 30 highly impacted countries, only 9 are State Parties

HIGH IMPACT (over 100)
AFGHANISTAN
VIETNAM
MYANMAR (BURMA)
ANGOLA
INDIA
CAMBODIA
NORTH IRAQ (IRAQI KURDISTAN)
SUDAN
ERITREA
RUSSIA (CHECHNYA°)
SRI LANKA
THAILAND
CHAD
IRAN
SOMALIA
NAMIBIA
LEBANON
COLOMBIA
SOMALIA (SOMALILAND)
LAOS
GEORGIA
ETHIOPIA
CONGO, DEMOCRATIC REP
NEPAL
IRAQ
PHILIPPINES
TAJIKISTAN
SENEGAL
MOROCCO
YUGOSLAVIA (KOSOVO)

10 YEARS DEADLINE

1. WHAT IS BEING DONE ?

Country	MBT ratification/adhesion	ENTRY INTO FORCE	10 years deadline	Mine or Mine&UXO affected	Article 7 first submission	SURVEY	UN project (MAC)
Bolivia	1998/06/09	1999/03/01	2009/03/01	X	Yes		
Bosnia & Herzegovina	1998/09/08	1999/03/01	2009/03/01	X	Yes	XX	UN
Croatia	1998/05/20	1999/03/01	2009/03/01	X	Yes		UN
Denmark	1998/06/08	1999/03/01	2009/03/01	X	Yes		
Djibouti	1998/05/18	1999/03/01	2009/03/01	X	No		
Honduras	1998/09/24	1999/03/01	2009/03/01	X	Yes		
Hungary	1998/04/06	1999/03/01	2009/03/01	X	Yes		
Macedonia FYR	1998/09/09	1999/03/01	2009/03/01	X	Yes		
Malawi	1998/08/13	1999/03/01	2009/03/01	X	No		
Mozambique	1998/08/25	1999/03/01	2009/03/01	X	Yes	XXX	UN
Namibia	1998/09/21	1999/03/01	2009/03/01	X	No		
Peru	1998/06/17	1999/03/01	2009/03/01	X	Yes		
Senegal	1998/09/24	1999/03/01	2009/03/01	X	Yes		
United Kingdom	1998/07/31	1999/03/01	2009/03/01	X	Yes		
Yemen	1998/09/01	1999/03/01	2009/03/01	X	Yes	XXX	UN
Zimbabwe	1998/06/18	1999/03/01	2009/03/01	X	Yes		
Guinea	1998/10/08	1999/04/01	2009/04/01	X	No		
Jordan	1998/11/13	1999/05/01	2009/05/01	X	Yes		UN
Nicaragua	1998/11/30	1999/05/01	2009/05/01	X	Yes		UN
Thailand	1998/11/27	1999/05/01	2009/05/01	X	Yes	XXX	UN
Swaziland	1998/12/22	1999/06/01	2009/06/01	X	Yes		
El Salvador	1999/01/27	1999/07/01	2009/07/01	X	Yes		
Uganda	1999/02/25	1999/08/01	2009/08/01	X	No		
Costa Rica	1999/03/17	1999/09/01	2009/09/01	X	Yes		
Guatemala	1999/03/26	1999/09/01	2009/09/01	X	Yes		
Niger	1999/03/23	1999/09/01	2009/09/01	X	No		
Ecuador	1999/04/29	1999/10/01	2009/10/01	X	Yes		UN
Chad	1999/05/06	1999/11/01	2009/11/01	X	No	XXX	UN
Cambodia	1999/07/28	2000/01/01	2010/01/01	X	Yes	XX	UN
Tunisia	1999/07/09	2000/01/01	2010/01/01	X	Yes		
Argentina	1999/09/14	2000/03/01	2010/03/01	X	Yes		
Czech Republic	1999/10/26	2000/04/01	2010/04/01	X	Yes		
Tajikistan	1999/10/12	2000/04/01	2010/04/01	X	No		
Liberia	1999/12/23	2000/06/01	2010/06/01	X	No		
Albania	2000/02/29	2000/08/01	2010/08/01	X	Yes		UN
Philippines	2000/02/15	2000/08/01	2010/08/01	X	Yes		
Rwanda	2000/06/08	2000/12/01	2010/12/01	X	Yes		
Mauritania	2000/07/21	2001/01/01	2011/01/01	X	Yes		UN
Bangladesh	2000/09/06	2001/03/01	2011/03/01	X	No		
Colombia	2000/09/06	2001/03/01	2011/03/01	X	Yes		UN
Moldova, Republic of	2000/09/08	2001/03/01	2011/03/01	X	Yes		
Tanzania United Repub	2000/11/13	2001/05/01	2011/05/01	X	No		
Kenya	2001/01/23	2001/07/01	2011/07/01	X	Yes		
Zambia	2001/02/23	2001/08/01	2011/08/01	X	Yes		
Sierra Leone	2001/04/25	2001/10/01	2011/10/01	X	No		UN
Congo (Brazzaville)	2001/05/04	2001/11/01	2011/11/01	X	No		
Guinea-Bissau	2001/05/22	2001/11/01	2011/11/01	X	No		UN
Eritrea	2001/08/27	2002/02/01	2012/02/01	X	No	XX	UN
Chile	2001/09/10	2002/03/01	2012/03/01	X	No		
Algeria	2001/10/09	2002/04/01	2012/04/01	X	No		

2. WHAT HAS CHANGED ?

- Quality improvement in clearance operations : priority setting better, quality assurance and control improved etc...
- Tools have been developed (IMAS, operational and technical SOP's, security rules, IMSMA etc...)
- Projects developed in function of needs identified : Landmine Impact Survey, Assessments, Rapid response system for crisis,
- Capacities building of national mine action: training of deminers, of managers, etc...
- Some improvement in technologies : protective equipment, detectors, etc...

3. WHAT TO REMEMBER ?

We need to realize some facts :

- Mine clearance is still a very slow process
- Mine clearance is expensive in regards to the surfaces to be cleared.
- Research on new technologies will probably not bring major changes before 5 –10 years.

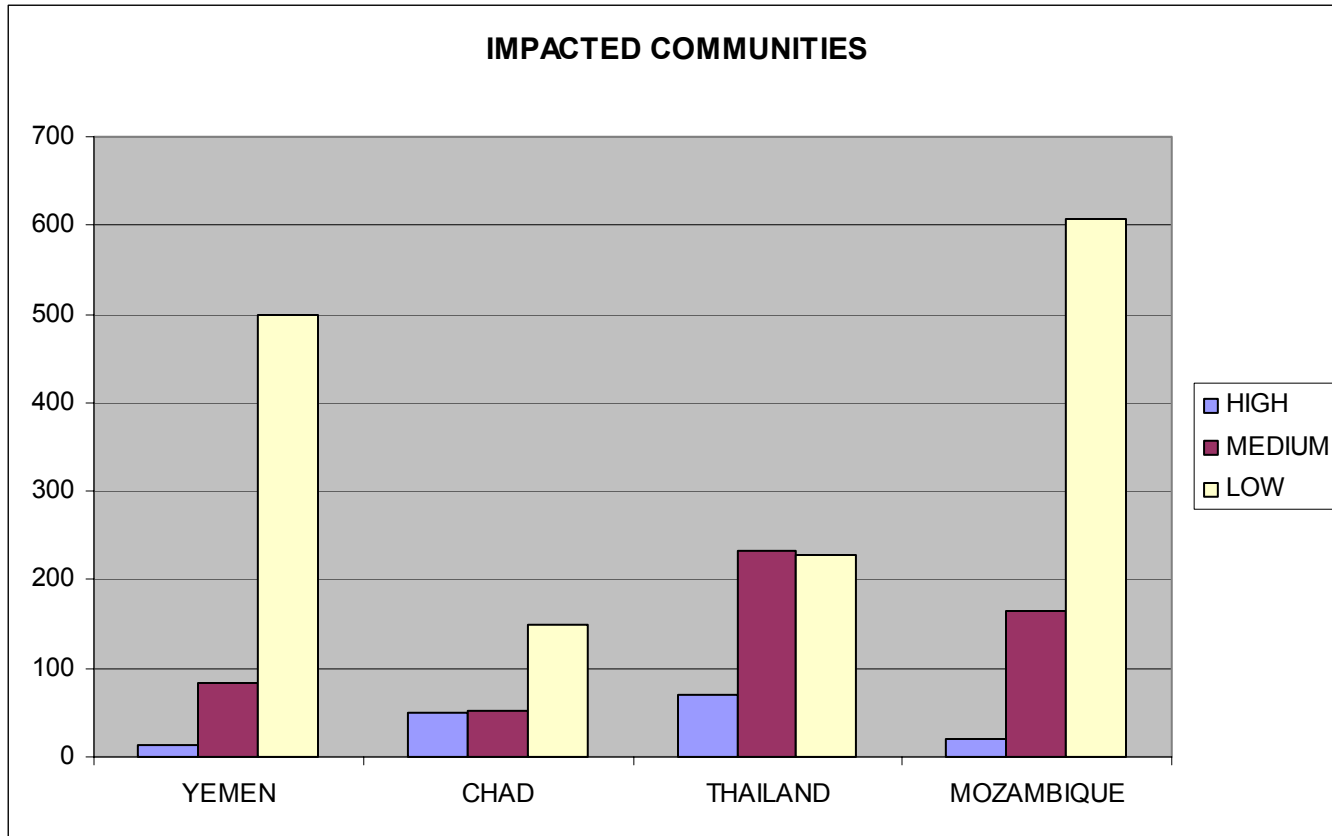


Therefore, how and what can we do to face the 10 years deadline ?

- Strategize and plan
 - Need for more data
 - Need of tools for analysis
- Prioritize the work in function of the humanitarian impact of mines. Let's plan the work in phases :

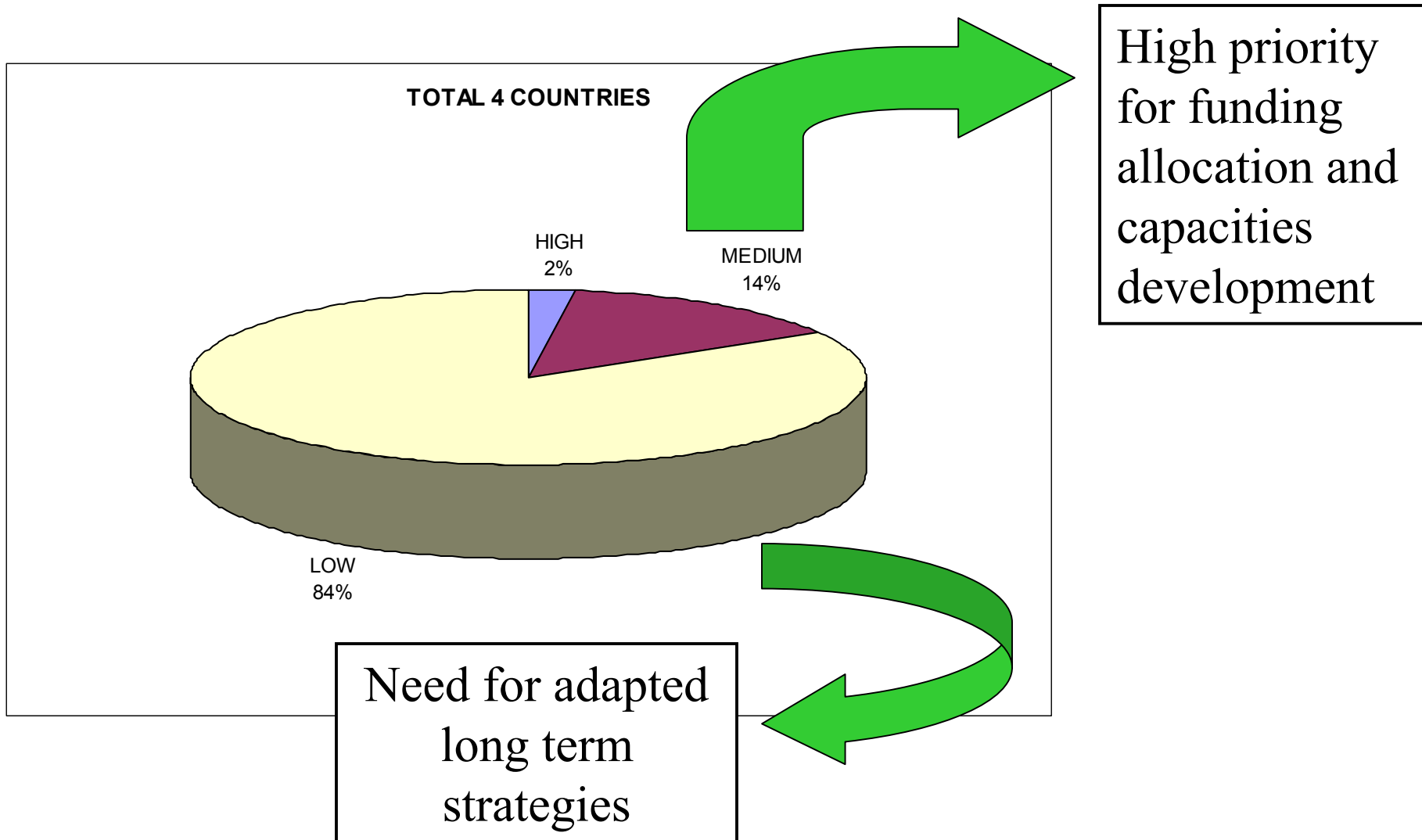


10 YEARS : HIGH IMPACT FREE IS FEASIBLE IN MOST COUNTRIES



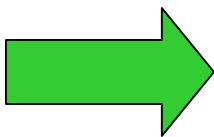
AFFECTED COMMUNITIES	YEMEN	CHAD	THAILAND	MOZAMBIQUE	TOTAL
HIGH	14	49	69	20	152
MEDIUM	84	52	233	164	533
LOW	500	148	228	607	685
TOTAL	598	249	530	791	2168

WITHIN 10 YEARS ...



Example : Kosovo

- A Mine Action Coordination Centre was established in Pristina on 17 June 1999.
- December 1999, the MACC noted that all reported dangerous areas had been categorized and divided into high, medium and low priority tasks: “The objective is to clear all high priority dangerous areas and CBU strikes during the Y2000 demining season”
- December 2001 : »Exit strategy « : High demining capacities closed down. Local capacity is developed to deal with the residual threat.



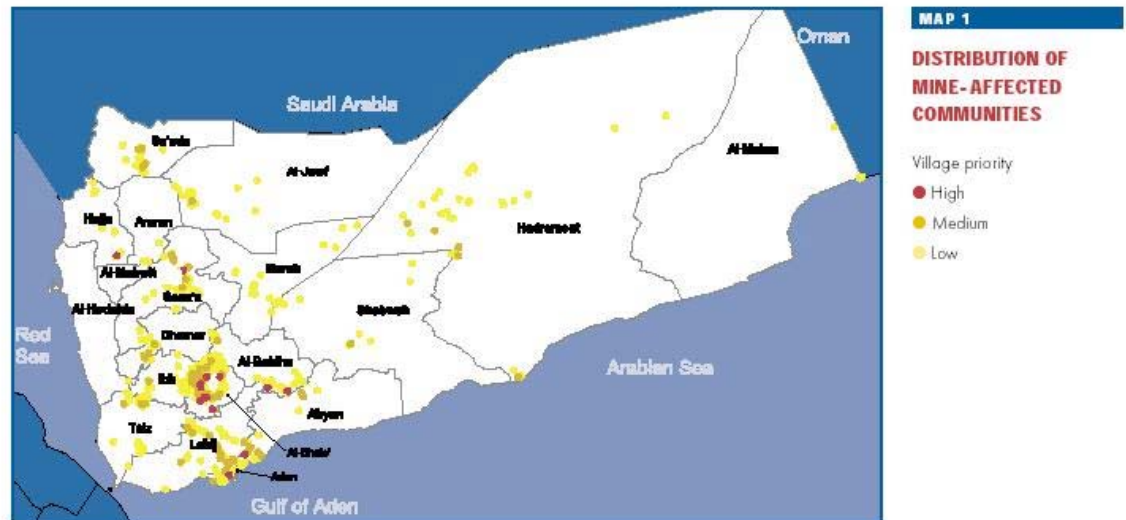
KOSOVO is considered Mine Impact free, a long term strategy to deal with the remaining UXOs and some mine is settled to respond to upcoming needs.

Yemen

IMPACT : the Impact score is aimed at helping prioritization of mine clearance operation. The score takes three major impact factors into account :

- the number of recent victims
- the livelihood and institutional areas to which mines blocked access
- class of munitions

IMPACT SCORE	nbr.Com munities	Population
High	14	35,892
Medium	84	117,503
Low	494	674,399
TOTAL	592	827,724



Yemen

STRATEGIC PLAN :

Vision : the Republic of Yemen should be free from the negative humanitarian and economic effects of landmines

- **At community level : mine accidents eliminated or reduced to a negligible rate**
- **At national level : no significant economic activity or development project prevented by the presence of mines or UXO**

STRATEGIC PLANNING ASSUMPTIONS

1. Clearance Mix

% Manual
 % Dog
 % Mechanical

2. Desired Programme Duration

Years

3. Clearance Rates (Per Day)

sqm / Manual Team
 sqm / Dog Team
 sqm / Mech Team
 sqm / BAC Team
 sqm / Tech Survey Team

4. Clearance Rate Improvements

Year # %
 Year # %
 Year # %
 Year # %
 Year # %

5. Area Reduction

0sqm to 1000sqm %
 >1000sqm to 1sqkm %
 >1sqkm to 5sqkm %
 >5sqkm %

6. Training Time

Months

7. Working Times

Manual Days / Year
 Dog Days / Year
 Mechanical Days / Year
 BAC Days / Year

8. Battle Area Clearance

0sqm to 1000sqm %
 >1000sqm to 1sqkm %
 >1sqkm to 5sqkm %
 >5sqkm %

9. Initial Team Set Up Costs (\$ / Team)

	Training	Equipping
Tech Survey	\$ <input type="text" value="10000"/>	\$ <input type="text" value="26000"/>
Manual	\$ <input type="text" value="12000"/>	\$ <input type="text" value="280000"/>
Dog	\$ <input type="text" value="50000"/>	\$ <input type="text" value="200000"/>
Mechanical	\$ <input type="text" value="10000"/>	\$ <input type="text" value="1000000"/>
BAC	\$ <input type="text" value="12000"/>	\$ <input type="text" value="120000"/>

Assumption Lists

10. Annual Running Costs (\$ / Team/Year)

	Running
Tech Survey	\$ <input type="text" value="60000"/>
Manual	\$ <input type="text" value="144000"/>
Dog	\$ <input type="text" value="160000"/>
Mechanical	\$ <input type="text" value="500000"/>
BAC	\$ <input type="text" value="160000"/>
Mines Awareness	\$ <input type="text" value="500000"/>
Victim Assistance	\$ <input type="text" value="500000"/>
HQ and Administration	\$ <input type="text" value="1000000"/>

11. Desired End State

Mine Free
 Impact Free

12. Marking vs. Clearance (Impact Free)

No Impact Areas	<input type="text" value="100"/> %	<input type="text" value="0"/> %
Areas With Victims	<input type="text" value="0"/> %	<input type="text" value="100"/> %
Infrastructure With No Victims	<input type="text" value="10"/> %	<input type="text" value="90"/> %
Agricultural With No Victims	<input type="text" value="75"/> %	<input type="text" value="25"/> %

Strategic Assumptions

Summary of clearance capability prioritised by 'Impact Score'

Immediate	
Technical Clearance	19,379,018 sqm
Manual Clearance	9,822,853 sqm
Dog Clearance	6,548,568 sqm
Mechanical Clearance	sqm
Total =	16,371,421 sqm

Intermediate	
Technical Clearance	147,185,344 sqm
Manual Clearance	54,982,014 sqm
Dog Clearance	36,654,676 sqm
Mechanical Clearance	sqm
Total =	91,636,690 sqm

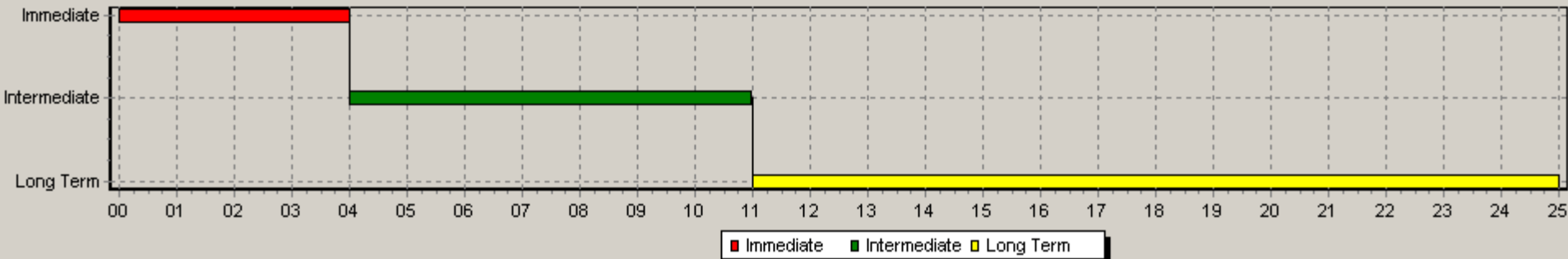
Long Term	
Technical Clearance	254,519,103 sqm
Manual Clearance	124,730,872 sqm
Dog Clearance	83,153,914 sqm
Mechanical Clearance	sqm
Total =	207,884,786 sqm

Immediate Priority Areas
Cleared by Year: **4**

Intermediate Priority Areas
Cleared by Year: **11**

Long Term Priority Areas
Cleared by Year: **25**

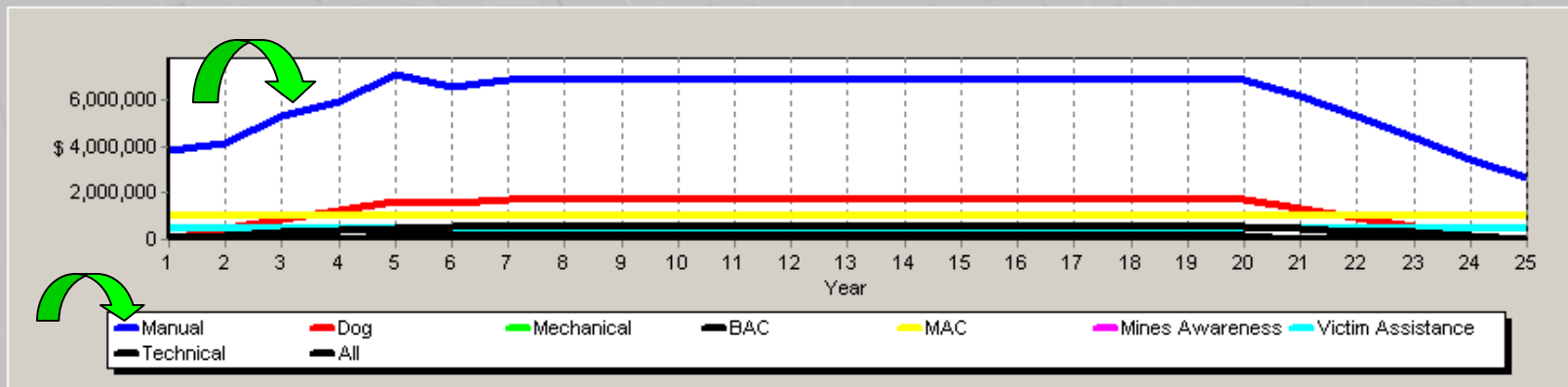
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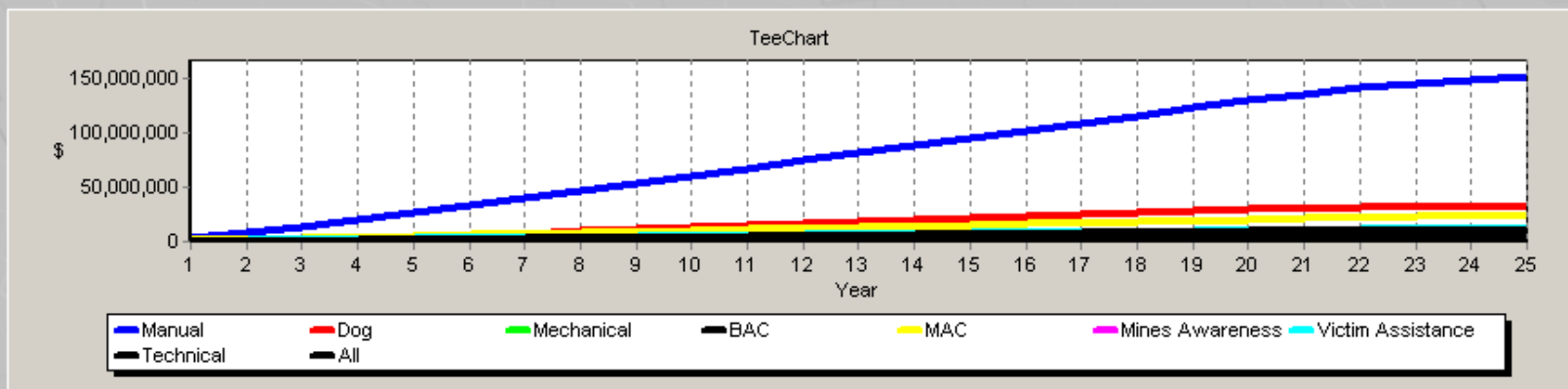
Yemen

Financial Information

All Costs Per Year



Cumulative All Costs



Manual Running Costs	Dog Running Costs	Mech Running Costs	BAC Running Costs	Tech Running Costs	All Running Costs	Total Running Costs
Manual Training Costs	Dog Training Costs	Mech Training Costs	BAC Training Costs	Tech Training Costs	All Training Costs	Total Training Costs
Manual Equip Costs	Dog Equip Costs	Mech Equip Costs	BAC Equip Costs	Tech Equip Costs	All Equip Costs	Total Equip Costs
Total Manual Costs	Total Dog Costs	Total Mech Costs	Total BAC Costs	Total Tech Costs	Total Costs	Total Program Costs

CONCLUSIONS

- In the framework of the MBT the 10 year deadline is feasible if we consider the Humanitarian impact of landmines
- Therefore it would be very useful to have a global strategy for the next 10 years, for Mine Affected States Parties.

NEED

- To choose a methodology
- To define assumptions.
- To collect data
- Good information through art. 7

CREATION OF A STAKEHOLDER FOCUS GROUP

Mine affected communities,
State Parties/Affected
countries
Donors,
International Organisations
Field operators

FINAL COMMENT

While State Parties primarily deal with Mine Affected States Parties, Non State Parties represent a even more significant part of the impacted countries in the world

