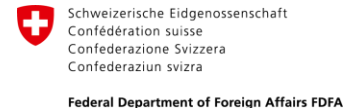


ARTIFICIAL INTELLIGENCE APPLICATIONS FOR MINE ACTION

Greta Zeender

GICHD Head of External Relations

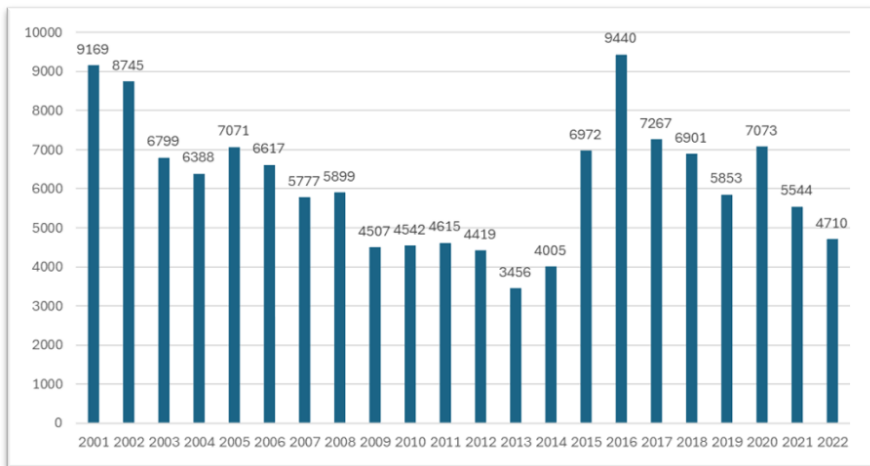
1 October 2024



Explosive ordnance: Antipersonnel mines, cluster munitions, IEDs and EWRs



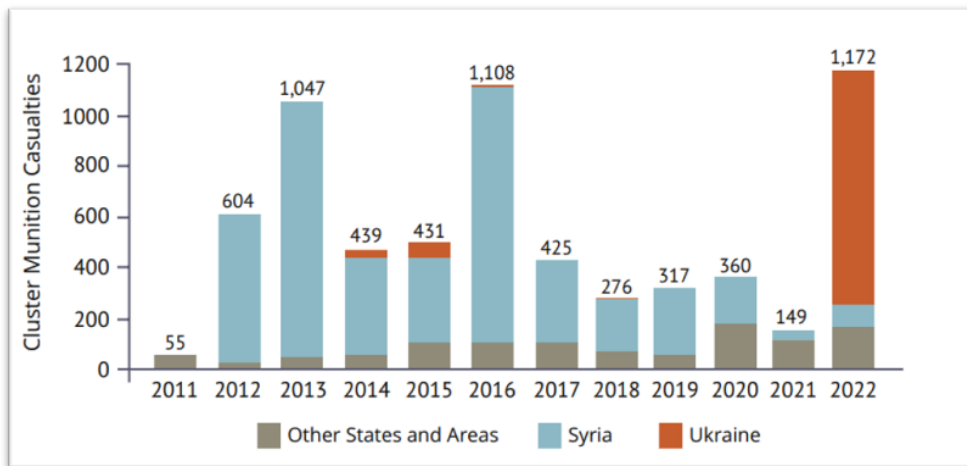
Victims



Landmine Monitor

2022

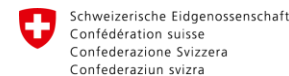
- Victims in 49 countries and 2 territories
- > 500 casualties in Syria, Ukraine, Yemen, Myanmar



Cluster Munition Monitor

In 2022

- Highest numbers of casualties in Ukraine (890), Yemen (95), Syria (84)



Federal Department of Foreign Affairs FDFA

Some internally displaced people in Syria cannot return home due to landmines

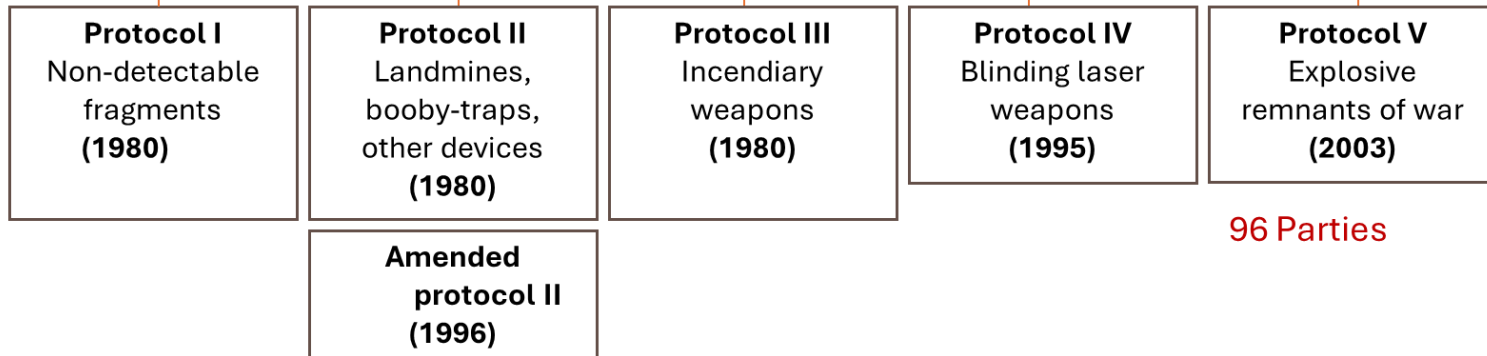


Convention on Certain Conventional Weapons



125 Parties
4 Signatories

Framework Convention (1980)



106 Parties

ANTI-PERSONNEL LANDMINE BAN CONVENTION (APMBC) - 1997

Use
Stockpiling
Production
Transfer

- Clearance/destruction
- Stockpile destruction
- Risk education

CONVENTION ON CLUSTER MUNITIONS - 2008



- Victim assistance
- International cooperation and assistance
- Transparency/reports

Stockpile destruction

APMBC

- Destruction completed in 161 States Parties
- 2 States with pending obligations
- > 51 million mines destroyed overall



CCM

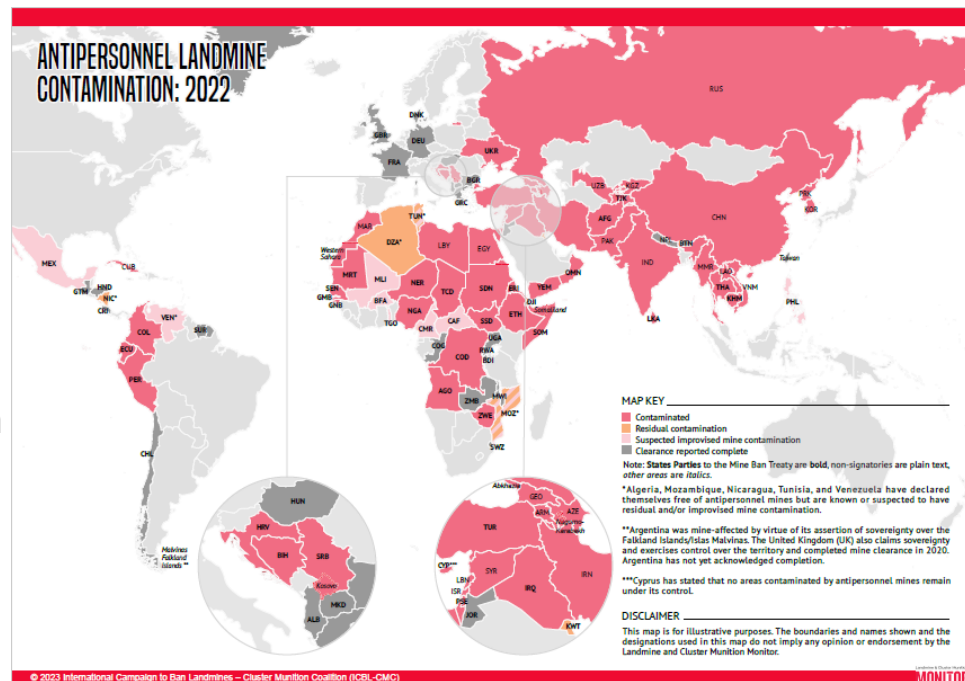
- 5 States Parties with pending obligations
- Completed in 21 States
- 99% declared stocks destroyed

States not Parties

- 30 States for a total of est. 45 million APMs
- Global APMs stocks in 1999: 160 million States Parties
- 47 States, total CMs unknown

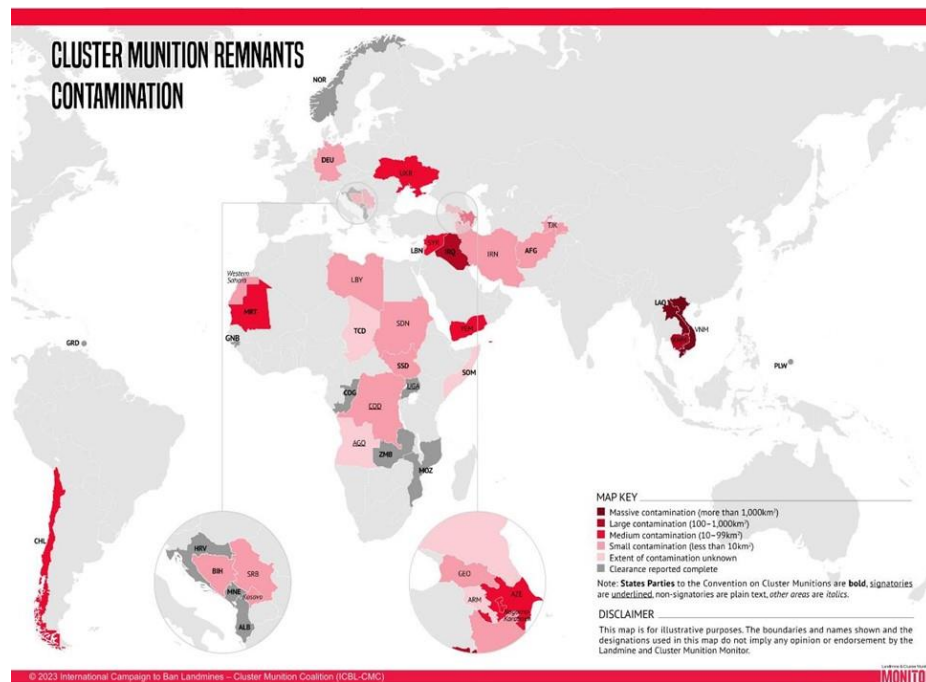
Landmine/ERW clearance

- Overall contamination: **60** countries and territories
- **Completed** in 30 SPs
- **Outstanding** in 33 SPs
- **Large** contamination in 9 SPs
- Contamination by **improvised** mines in 5 SPs
- 8 Extension requests in 2024: Afghanistan, Chad, Cyprus, Guinea-Bissau, Niger, Oman, Peru, Serbia

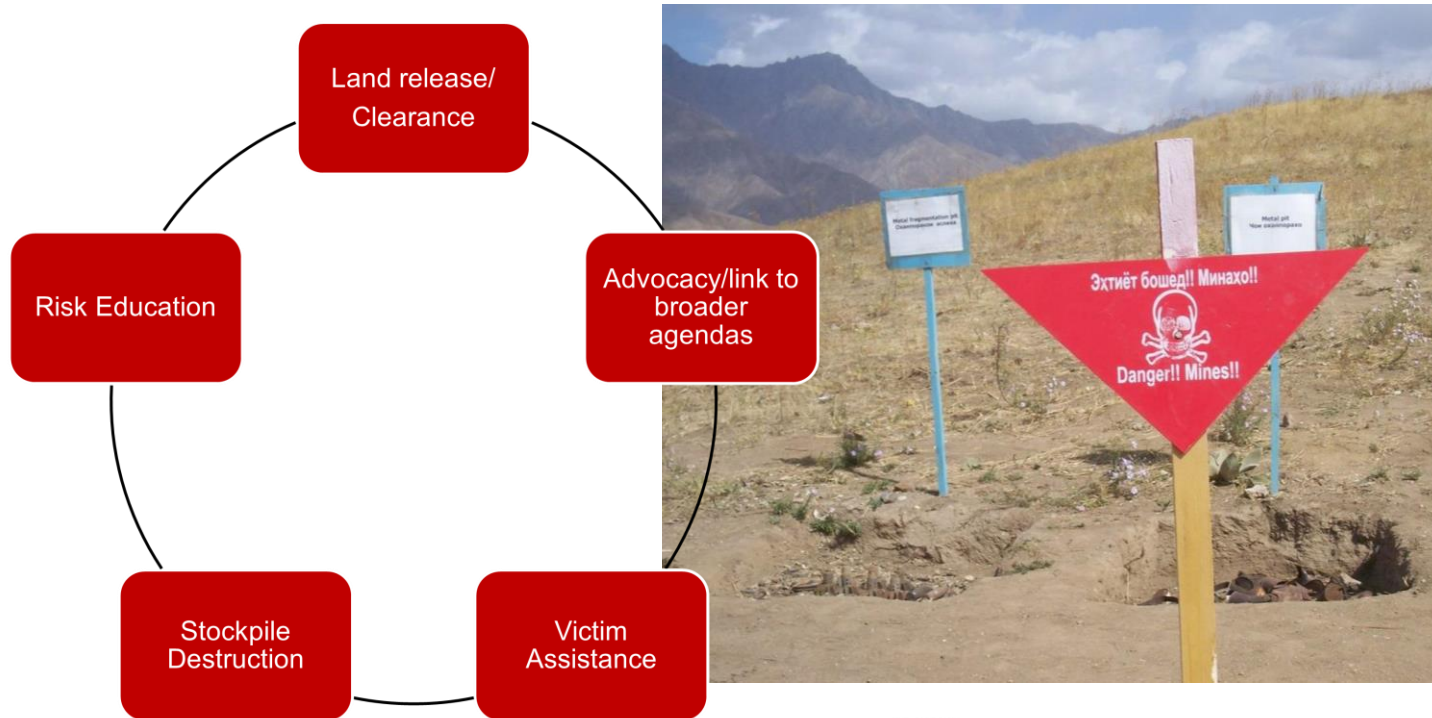


Cluster munition clearance

- Overall contamination: **29** countries and territories
- **Outstanding** in 10 SPs
- **Massive** contamination in 1 SP, **heavy** in 1 SP
- 4 Extension requests in 2024: Chad, Germany, Lao PDR, Lebanon



Pillars of mine action



Key actors in mine action



NATIONAL MINE
ACTION AUTHORITIES



OPERATORS (LOCAL
AND INTERNATIONAL)



AFFECTED PEOPLE

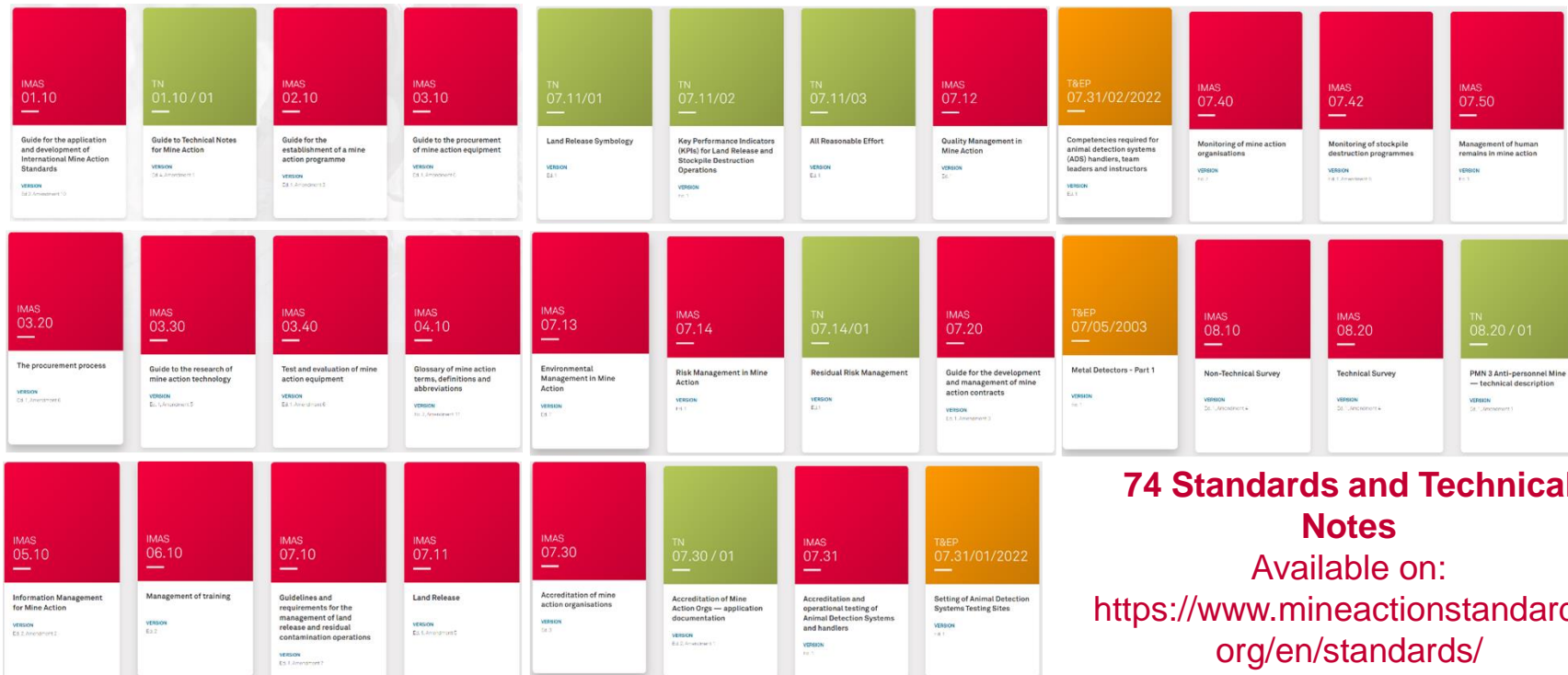


INTERNATIONAL/NON-
GOVERNMENTAL
ORGANISATIONS



IMPLEMENTATION
SUPPORT
UNITS/DONORS

International Mine Action Standards



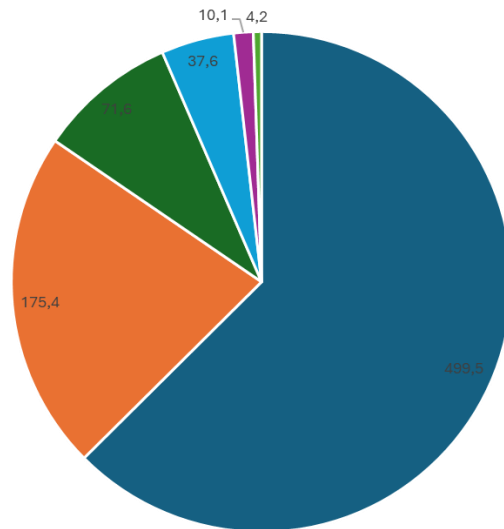
74 Standards and Technical Notes

Available on:

<https://www.mineactionstandards.org/en/standards/>

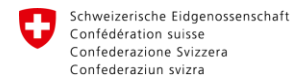
Funding by thematic area - 2022

Total amount: 798.4 USDm



■ clearance ■ various ■ capacity-building ■ victim assistance ■ risk education ■ advocacy

Based on data from Landmine Monitor



Federal Department of Foreign Affairs FDFA

Funding recipients (2018-2022)

Recipient	2018–2022 contributions (US\$ million)	2018–2022 ranking	2013–2017 contributions (US\$ million)	2013–2017 ranking	% change from the previous five-year period
Iraq	501.7	1	386.5	1	+30%
Afghanistan	289.4	2	273.8	2	+6%
Lao PDR*	258.4	3	174.8	3	+48%
Ukraine	232.3	4	35.3	17	+558%
Syria	193.2	5	128.4	6	+50%
Colombia	168.6	6	130.8	5	+29%
Cambodia	138.8	7	140.3	4	-1%
Yemen	118.0	8	23.6	19	+400%
Croatia	117.3	9	65.5	7	+79%
Vietnam	100.3	10	56.5	11	+77%
Total	2,118	N/A	1,415.5	N/A	+49%

Note: States Parties to the Mine Ban Treaty are indicated in **bold**; N/A=not applicable.

*Lao PDR is a State Party to the Convention on Cluster Munitions.

Landmine Monitor 2023

THANK YOU

