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15 July 2022

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*Стална мисија Босне и Херцеговине при ОЕБС, УН и другим међународним орг. у Бечу*  
*Stalna misija Bosne i Hercegovine pri OSCE, UN i drugim međunarodnim org. u Beču*  
*Permanent Mission of Bosnia and Herzegovina to the United Nations Office*  
*at Vienna, OSCE and other International Organizations, V I E N N A*

NV : 26531/22

### NOTE VERBALE

The Permanent Mission of Bosnia and Herzegovina to the OSCE, United Nations and other International Organizations in Vienna presents its compliments to all Delegations and Permanent Missions of the Participating States to the OSCE and to the Conflict Prevention Centre and has the honor to provide herewith the Bosnia and Herzegovina's reply to the Questionnaire on Anti-Personnel Mines and Explosive Remnants of War for the year 2021.

The Permanent Mission of Bosnia and Herzegovina to the OSCE, United Nations and other International Organizations in Vienna avails itself of the opportunity to renew to all Permanent Missions and Delegations of all OSCE participating States and to the Conflict Prevention Centre the assurances of its highest consideration.

Vienna, July 12, 2022



**To: OSCE Conflict Prevention Centre (CPC)**  
**All Delegations/Permanent Missions to the OSCE**  
**V I E N N A**

**OSCE QUESTIONNAIRE ON ANTI-PERSONNEL MINES**  
**To be submitted no later than 31 May of each year (starting in May 2005)**

**Part I**

1. Is your country a State Party to the 1996 Amended Protocol II on Prohibitions or Restrictions on the Use of Mines, Booby-Traps and Other Devices annexed to the 1980 Convention on Conventional Weapons (CCW)?

*YES. Bosnia and Herzegovina is a State Party since 07<sup>th</sup> September 2000.*

**If yes:**

2. Please attach the most recent annual report submitted by your country in accordance with Article 13 of the Amended Protocol or give the appropriate electronic address for the report.

*Please find attached annual report for 2021 submitted in accordance with Article 13 of the Amended Protocol with all relevant information on questions related to the Amended Protocol II on prohibitions or restrictions on the Use of Mines, Booby - Traps and Other devices.*

**If no:**

3. Is your country considering ratification/accession to the Amended Protocol II?

4. What measures have been taken to prevent the indiscriminate use of mines, booby-traps and other devices?

5. Would your country be interested in receiving assistance related to the implementation of this Protocol? If so, please describe.

6. Does your country have the capacity to assist others related to this Protocol? If so, please describe.

**Part II**

7. Has your country ratified or acceded to the 1997 Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on Their Destruction?

*YES. Bosnia and Herzegovina is a State Party since 08<sup>th</sup> September 1998.*

8.(a) If yes, please attach the most recent report submitted by your country in accordance with Article 7 of the Convention or give the appropriate electronic address for the report.

*Please find attached annual report for 2021 submitted in accordance with Article 7 of the Convention with all relevant information on questions related to the Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on Their Destruction.*

(b) If no, is your country considering ratification/accession to the Convention?

(c) Has your country adopted legislation to address the humanitarian objectives of the convention, or taken any specific measures regarding the use, production, storage, transfer and destruction of anti-personnel landmines? In case a moratorium has been introduced, what is its scope and duration and when was it introduced?

*Bosnia and Herzegovina hasn't passed the Law about implementation on the Conventions. In Bosnia and Herzegovina Conventions and Protocols from the area of Mine Action are ratified by Presidency of Bosnia and Herzegovina and published in Official Gazette of Bosnia and Herzegovina. Bosnia and Herzegovina Criminal Law has been annexed to accommodate ban of all the activities prohibited under the Convention. Criminal Law of Bosnia and Herzegovina enter into force on 1<sup>st</sup> March 2003. Chapter XVI: Criminal acts against integrity of Bosnia and Herzegovina – Article 165; Chapter XVII: Criminal acts against humanity and values protected under international law – Articles 193 and 193 a.*

9. Does your country have any specific measures in place to provide assistance to victims?

*Bosnia and Herzegovina has a very developed system of health care with clinics, clinical centres, specialised semi-clinics, hospitals and rehabilitation centres. In order to increase the availability of services in local communities, there are additionally opened Rehabilitation Centres (CBR) as well as Centres for Mental Health (CMZ) at more than 60 separate location within Bosnia and Herzegovina. Additionally, as for the resolving problems of mine victims, i.e. reduction of so called "phantom pain there are centres for pain relief and medical personnel specifically trained for assisting in these centres. Equipping mine victims with prosthetics' in on a high level. The country partially of fully pays for the prosthetics costs. Achievements of Bosnia and Herzegovina in health care is visible through the fact that mine victims point out th social aspect of the problem rather than the medical one. Apart from all efforts, there is a necessity for personnel improvement in health system as well as widening of the health services offered. Law and regulations which reflect on mine victims are under the authority of Entities and Brcko District, and they are more and more in accordance with approaches to disabled persons in the countries of EU. Bosnia and Herzegovina within its constitutional frames provides protections for persons who need it, primarily disabled persons, between them civilian war victims, i.e. mine victims. In both Entities, there are Funds for Professional Rehabilitation and Employment for disabled. Based on the health care regulations, conditions were secured and defined through these funds for the realisation of rights and benefits, with the aim to improve professional rehabilitation and employment of disabled persons, regardless of the cause of their disability. There are various projects supported by the Government sector but also by activities of the NGO's which work on projects of economical re-socialisation and mine victims reintegration, along with their families. We must point out that general decrease in international financial aid reflects to the decrease in mine victims assistance and reduction of NGO sector activities in Bosnia and Herzegovina related to mine victims.*

10. Does your country require assistance in mine clearance, stockpile destruction, mine awareness and/or victim assistance? If so, please describe.

*In 2021, the suspected hazardous area in Bosnia and Herzegovina was reduced by 34 km<sup>2</sup>. Through non-technical methods (systematic and general / non-technical survey) conducted by BiH Mine Action Center it was cancelled 24.19 km<sup>2</sup>, while through technical methods was reduced area by 9.81 km<sup>2</sup> through technical survey on MSAs (reduced area) 5.92 km<sup>2</sup>,*

clearance on MSAs 0.61 km<sup>2</sup>, technical survey (classic tasks) 3.22 km<sup>2</sup>, and mine clearance (classic tasks) 0.060 km<sup>2</sup>. Within the returned area of 4,267,302 m<sup>2</sup>, through technical survey operations was removed mine danger on an area of 3,226,116 m<sup>2</sup>, through mine clearance operations was cleared a total area of 60,166 m<sup>2</sup>, while on eight tasks of cluster munitions it was technically surveyed and cleared area of 981,020 m<sup>2</sup>.

In Bosnia and Herzegovina in 2021, a total of 1,946 mines were found and removed, of which 1,717 anti-personnel mines, 229 anti-tank mines, 1,261 pieces of cluster munitions and 1,636 pieces of UXO. We estimate that the remaining number of expected mines in BiH is 175,000.

In 2021, the funds spent by BiH Mine Action Center were in amount to 5,567,766.00 KM. The funds were spent through two programs, planning and projecting of mine action in the amount of 3,340,659.60 KM and quality assurance of mine action in the amount of 2,227,106.40 KM. 9,576,809.31 KM were allocated by the national institutions for the demining process in 2021, while funds of 15,428,416.36 KM were spent by donors and international sources of financing.

In 2021, Bosnia and Herzegovina had accredited 26 mine action organizations, of which: 9 commercial organizations, 12 non-governmental organizations and 5 governmental organizations (Armed Forces of BiH, Federal Administration of Civil Protection, Republic Administration of Civil Protection of Republic of Srpska, Civil Protection of Brcko District and Red Cross of BiH). Within accredited organisations, 1,021 persons were engaged who possess the accreditation and licence for work in mine action activities, i.e. 721 deminers and 300 persons authorised for the conduct of managerial and supervision tasks (team leaders, site leaders, operational officers, quality assurance officers, EDD teams trainers, dog handlers, operators etc.).

Bosnia and Herzegovina has necessary human and technical resources for the conduct of humanitarian demining operations and other mine action, but it requires aid in securing the firm and continuous financing for the conduct of stated operations.

11. Does your country have the capacity to assist others in mine action? If so, please describe.

YES. To the international community involved with mine action BHMAC can offer the following:

- Assistance during the organization of national mine action centres,
- Laws, by-laws and normative regulations,
- Establishment of mine information system and geoinformation system, digitalisation of maps,
- Planning system – preparation of national programmes and operative plans,
- Definition of suspected hazardous area and marking,
- Quality assurance and quality control over humanitarian demining operations,
- Education of humanitarian demining executors (deminers, auxiliary workers and management),
- Mine risk education, primarily local population and children,
- Mine victims assistance.

**OSCE QUESTIONNAIRE ON EXPLOSIVE REMNANTS OF WAR**  
**To be submitted on a voluntary basis along with the OSCE Questionnaire**  
**on Anti-personnel Mines no later than 31 May each year.**

1. Has your country notified the Depositary of its consent to be bound by the 2003 CCW Protocol V on Explosive Remnants of War (ERW) once it enters into force? Is your country considering doing so?

*Yes*

2. If yes, at what stage is the process?

*Please find attached Annual report for 2021 with all relevant information on questions related to the CCW Protocol V on Explosive Remnants of War (ERW).*

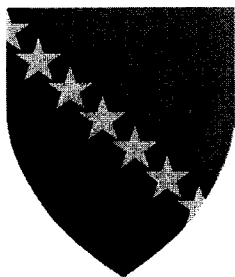
3. Would your country be interested in receiving assistance in clearing or otherwise minimizing the risks and effects of ERW? If so, please describe.

*No*

4. Does your country have the capacity to assist others in clearing and minimizing the risks and effects of ERW? If so, please describe.

*Accredited organizations for EOD operations in Bosnia and Herzegovina as part of the Mine Action system already have significant role in various international projects and forms of cooperation, especially throughout the region of SE Europe. Bosnia and Herzegovina can offer experience know-how in various aspects of Mine Action.*

**DRAFT**



**REPORT ON MINE  
ACTION 2021**



**MINE ACTION CENTRE BOSNIA AND HERZEGOVINA**

# REPORT ON MINE ACTION 2021

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## INTRODUCTION

Report on Mine Action in BiH for 2021 represents a document aimed to report to the Demining Commission in Bosnia and Herzegovina about activities and goals realized through the reporting period, and from the domain of mine action, and about the implementation of Mine Action Strategy 2018 - 2025, adopted by the Council of Ministers at their 176. Session held August 5<sup>th</sup> 2019 ("Official Gazette BiH, no: 70/19).

At the Eighteenth Meeting of the States Parties to the Anti-Personnel Mine Ban Convention, Bosnia and Herzegovina delegation presented the Request for Extension to the Deadline As per Article 5 of the Convention, and in relation to removal of anti-personnel mines from remaining minefields. The delegation highlighted why reasons for the suggested extension are realistic and feasible according to the planned rhythm of use of the available operational and financial resources. The revision of the existing Mine Action Strategy is scheduled to take place in 2023, while the new deadline for fulfilment of obligations according to Article 5 is March 2027. The deadline for fulfilment of obligations under the Article 7 of the Convention on Cluster Munitions is September 2022.

During 2021, Mine Action Centre performed toward the realization of the main vision: Bosnia and Herzegovina without mines and explosive devices remained from the war, where the entire population conduct all the necessary activities without threat to safety, and where the victims of mines and explosive devices will be integrated into society. Also, this performance was in accordance with the mission in the view of development of effective and efficient mine action which will enable the safe use of land, fulfil the needs of impacted communities through coordinated and efficient tasks for non-technical survey, technical survey and clearance, and provide assistance to the victims of mines and explosive devices remained from the war (ERW) through mine risk education.



## 1. GENERAL ASSESSMENT OF MINES/ERW/CLUSTER MUNITIONS IMPACT

General Assessment of mine suspect areas in BiH represents a process of collecting, processing and analyzing data to improve mine action efficiency in BiH through the improved general assessment of mines and cluster munitions, and its impact on at-risk communities.

### 1.1. Social and economic impact of mines/ERW/cluster munitions <sup>1</sup>

Bosna and Herzegovina is amongst the countries that face a huge mine contamination problem. Based on assumption that the character of mine problem requires efficient risk management through continuous estimation of mine situation, Mine Action Center BiH (BHMACH), Armed Forces Bosnia and Herzegovina (AFBiH) and Norwegian People's Aid (NPA BiH), as project partners, have carried out the activities within the project: "General Assessment of mine suspect areas in BiH 2018-2019", financed by European Union (EU) via the Instrument contributing to Stability and Peace (IcSP).

By the end of project finalization (May 15, 2020), the total size of mine suspect area was 966 km<sup>2</sup> out of which 35 km<sup>2</sup> in progress through demining organizations operational activities. Information for 143 municipalities were processed through this activity.

Mine threat has been confirmed in 118 municipalities. There is an estimate of 180,000 pieces of existing mines. A total of 478 mine suspect areas (MSA) were formed through assessment and redesign, as logical territorial units for land release. The average size of newly formed MSA's is 1,94 km<sup>2</sup>. In the period of project realization, mine suspect area was reduced by 103 km<sup>2</sup>.

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<sup>1</sup> ERW represent explosive remnant of war; cluster munitions – **Cassette bomb, fragmentation bomb, cluster aerial bomb (CAB)** is a type of free-falling, aerodynamically shaped munition with cassette warhead, expelled from air or discharged from the ground. Technically it is a non-guided aerial bomb with a warhead – a special „container“ where submunition is stored.

## REPORT ON MINE ACTION 2021

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There are 189 MSAs with a high level of risk, 274 with medium, and 15 MSA's with a low level of risk. The risk assessment for 1,421 affected communities has been completed regarding the level of impact. Affected communities (1,369 of them) were the starting point within this project. According to the assessment, 259 communities have a high level of impact, 212 communities have medium, and 950 communities have a low level of impact.

Information was gathered on 264,011 households within affected communities. Out of that number, 32,109 households are exposed to direct risk. The total number of inhabitants living in affected communities is 845,163 (92,817 boys, 87,990 girls, 328,842 men, and 335,514 women). The number of directly affected inhabitants is 132,803 (14,611 boys, 13,772 girls, 49,073 men, and 55,347 women).

The accomplished project has greatly relieved the conduct of non-technical survey operations in the past year, and it represents further basis for the continuation of data collecting, data processing and data analyzing process in order to improve the efficiency of mine action in Bosnia and Herzegovina, through the improved assessment of mines and cluster munitions, and their impact on mine affected communities.

# REPORT ON MINE ACTION 2021

## 1.2 Size of suspect area/systematic survey

In January 2022, the size of the mine suspect area in Bosnia and Herzegovina was 922,37 km<sup>2</sup> or 1,80% by comparison with the total area of BiH<sup>2</sup>, and the size of cluster munitions suspect area in BiH is 1,45 km<sup>2</sup>.

Administrativna jedinica	2021	2022	2023	2024	2025
UNSKO SANSKI	38.39	36.35	18.57	93.47	0.00
POSAVSKI	3.11	9.63	1.86	14.60	0.00
TUZLANSKI	14.04	18.14	45.96	78.14	0.34
ZENIČKO DOBOJSKI	27.77	11.67	72.94	112.38	0.50
BOSANSKO PODRINJSKI	3.01	8.15	32.89	44.05	0.00
SREDNJE BOSANSKI	24.52	38.91	47.34	118.77	0.01
HERCEGOVAČKO NERETVANSKI	13.47	24.55	106.94	144.97	0.01
ZAPADNO HERCEGOVAČKI	0.00	0.00	0.82	0.82	0.00
SARAJEVO	14.63	11.71	26.71	53.05	0.23
KANTON 10	9.22	12.22	53.59	75.03	0.11

Table 1. The size of the suspect area (January 2022)

<sup>2</sup> According to the first assessment of Mine Action Centre in BiH (UNMAC) from 1998, mine suspect area in BiH was 4.200 km<sup>2</sup> or 8,2% out of total area of BiH.

# REPORT ON MINE ACTION 2021

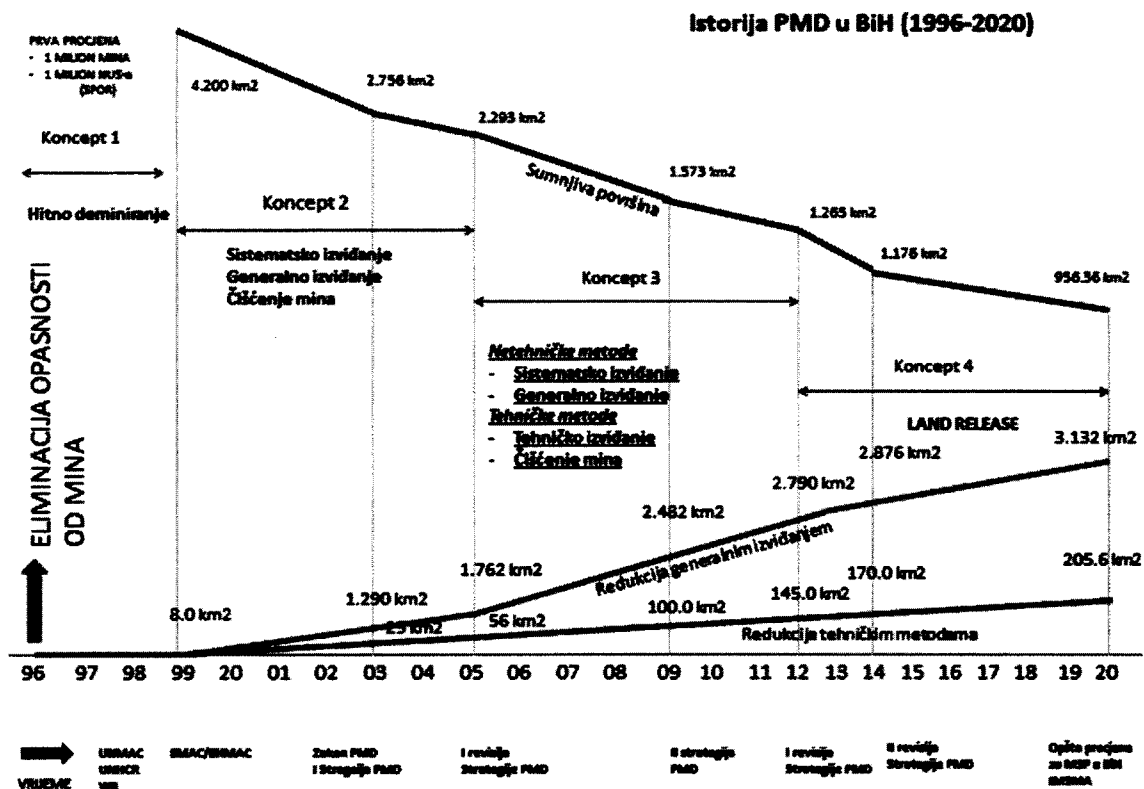


Figure 1. Mine Action History in BiH

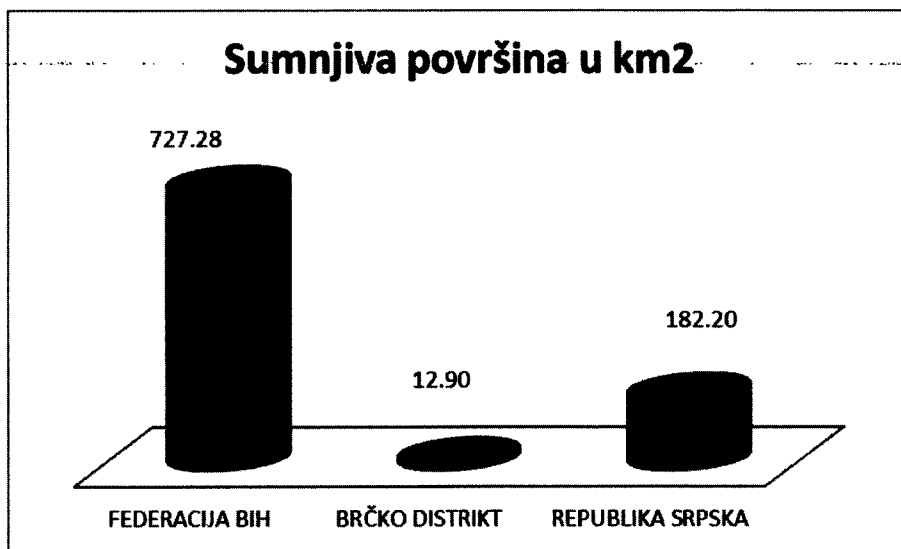
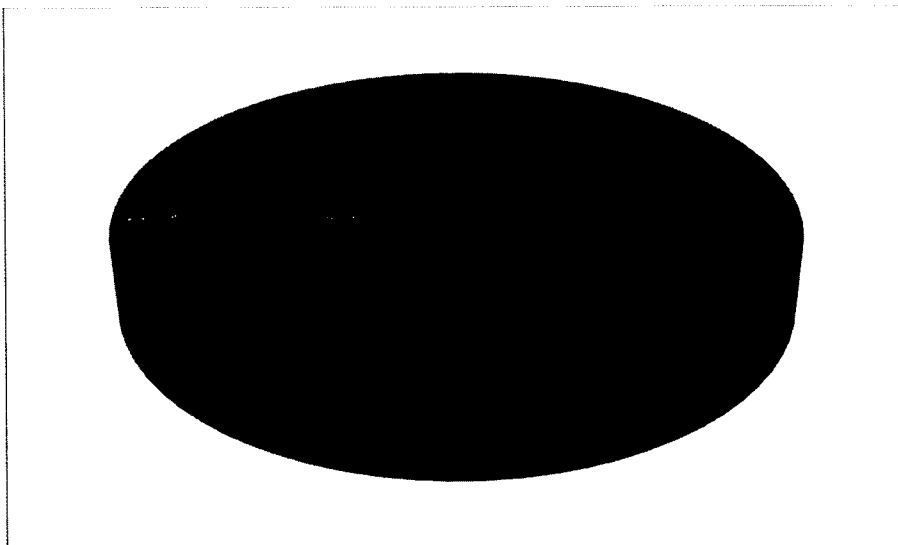


Figure 2. Suspect area in km<sup>2</sup> (January 2022)

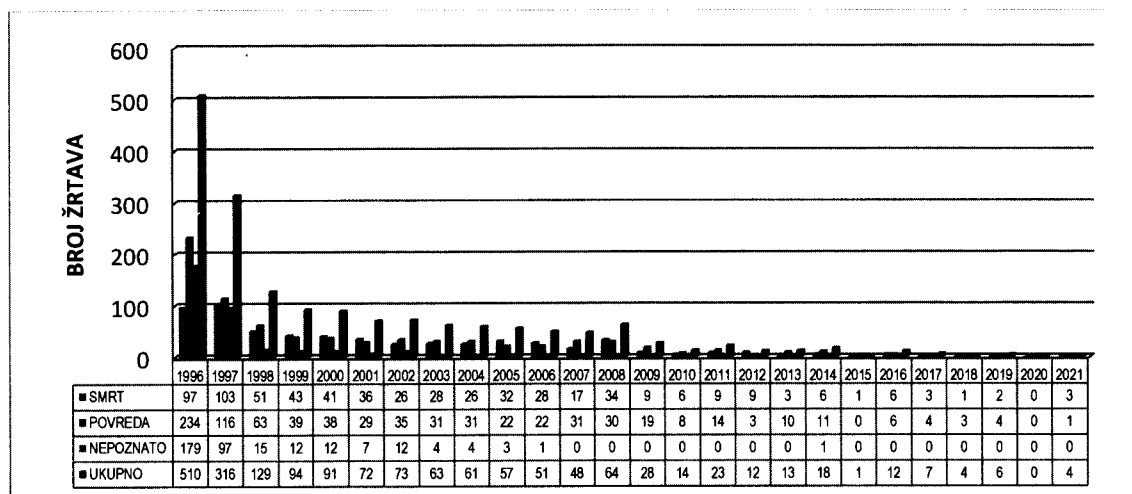


*Figure 3. Suspect area per categories (January 2022)*

### **1.3 Mine/ERW/Cluster munitions victims**

Although the number of civilian victims is decreasing, there were unfortunately three accidents in 2021. As for accidents with fatalities, the first was a minor who activated an unknown explosive device in a household, and two adults in the second accident, who, while hunting, passed the risk area markings and caused the activation of a PROM-1 mine. In the third (a demining) accident, a detonation occurred during ERW destruction; as result, two deminers/operators for removal of ERW suffered minor injuries.

Since 1992, 8.386 persons were victims of mines, ERW and cluster munitions in BiH. During the period of war (1992-1995) there were 6.354 victims, while 1.776 persons were victims in the post-war period, out of which 617 fatalities and 802 injured. There is no data for the exact year of accident for 347 victims. Out of total number of victims, there were 232 cluster munitions victims, out of them 43 fatalities. Out of the total number of victims in the post-war period, 185 victims were women (10%), and 250 victims were children (14%). During the humanitarian demining operations in BiH, there were 133 deminers victims, out of which 53 fatalities.



**Graph 4. Statistical review of mine/ERW/cluster munitions victims**

## 2. REALIZATION OF STRATEGIC AND OPERATIONAL GOALS

The mission of all participants in the realization of strategic and operational goals in 2021. was related to elimination, i.e. reduction of risk to the acceptable level, establishment of safe environment for affected population, incentives for sustainable return, and socio-economic development in affected communities, i.e. municipalities affected by mines/ERW/cluster munitions. The concept for mine action was based on assumption that the nature and size of the problem require efficient risk management through continuous assessment of mine/ERW/cluster munitions impact, effective planning and coordination, and interconnection of all mine action components.

Mine action was focused at resolving the problem through integrated approach to mine action in highly affected communities, and through implementing groups of projects in medium and low affected communities with the aim of risk reduction, i.e. creation of conditions for the use of resources obstructed by mine/ERW/cluster munitions, and for reconstruction and sustainable return.

The Mine Action in 2020 was focused on the realization of Land Release concept. The Land Release concept in based on the principle that as much suspect area is processed and released, with as little time and as cost effective as possible.

# REPORT ON MINE ACTION 2021

The application of targeted technical survey procedures aims to validate the existing information, collect new information in order to define the factual borders of mined areas for demining, remove the mine suspicion from the rest of the area, and release it to the beneficiary for use.

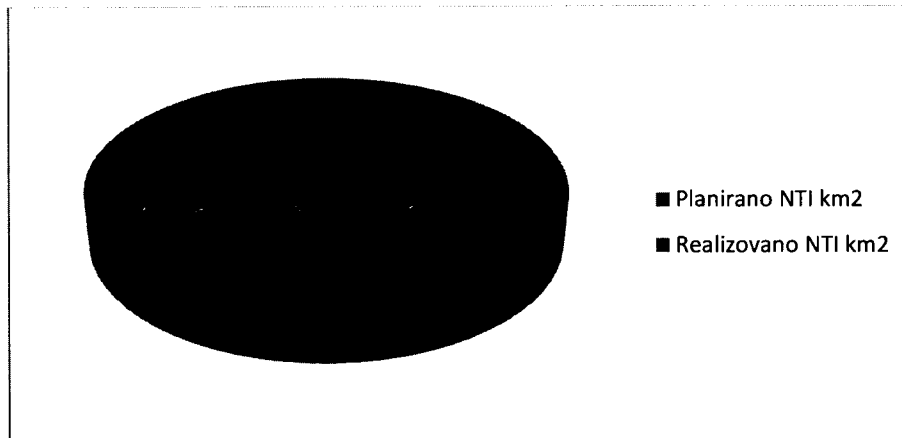
## 3. HUMANITARIAN DEMINING

### 3.1 Non-technical/general survey - projects planning

In 2021, non-technical/general survey activities were conducted on 40,12km<sup>2</sup>. Total of 24 operational plans for mine action on MSA were created, and 18 new projects for clearance, technical survey and removal of cluster munitions.

Area processed through NTS (minimum 64 MSP), <b>planned</b>	128.0	79.36	62%	34.56	27%	14.08	41%
<b>Realized</b>	36,17	22,00	61%	12,38	36%	1,79	38%
Re-survey of existing projects, <b>planned</b>	2.00	1.24	62%	0.54	27%	0.22	41%
<b>Realized</b>	3,80	1,3	34%	1,68	44%	0,82	21%
Clearance (GS), <b>planned</b>	0.50	0.31	62%	0.135	27%	0.06	41%
<b>Realized</b>	0,010	0,010	100%	0,000977	9,77%	0.00	0%
Technical survey (GS), <b>planned</b>	1.00	0.62	62%	0.27	27%	0.11	41%
<b>Realized</b>	0,41	0,13	30%	0,19	46%	0,09	22%
<b>Total planned</b>	131.5	81,53	62%	35.505	27%	14.47	41%
<b>Total realized</b>	40,12	23,44	59%	14,25	40,13%	2,70	39%

*Table 2. Productivity of non-technical/general survey*



*Figure 5. Realization of non-technical survey*

### **3.2 Emergency marking**

In 2021, survey teams of Mine Action Center BiH and accredited organizations in BiH have placed or renewed 2.869 mine/ERW/cluster munitions warning signs. A part of that number relates to marking of the cluster munitions suspect area at 8 locations, with 43 signs.

### **3.3 Tenders for technical survey and mine clearance tasks**

In 2021, the ITF (Enhancing Human Security) invited 3 tenders for technical survey and mine clearance for 42 projects with total risk area of 810.456 m<sup>2</sup>.



# REPORT ON MINE ACTION 2021

No.	Tender Date	Tender Name	Tasks	Area	Area
1	04.05.2021	ITF-01/21-MC/TS-BH-CZ/ROK	1	Clearance	2,879
			1	Technical survey	10,785
2	12.07.2021	ITF-01-05/21-MC/TS-BH-USA	12	Clearance	139,128
			17	Technical survey	463,638
3	27.09.2021	ITF-01-06/21-MC-BH-JPN/USA NMI	11	Clearance	194,026

**Table 3: Review of called tenders for technical survey and mine clearance**

### 3.4 Realization of mine action on MSP/technical clearance/mines and cluster munitions clearance

In 2021, the area of 20.859,479 m<sup>2</sup> was released for safe use through twelve (12) tasks of mine suspect areas (MSAs), with a total of 2.900 mines and 722 pieces of UXO found and destroyed.<sup>3</sup>

Additionally, technical survey and mine/UXO clearance operations were completed at 71 tasks, with certified area of 4.267.302 m<sup>2</sup>. A total of 237 mines were found and destroyed in the said operation, out of which 227 anti-personnel mines, 10 anti-tank mines, 514 pieces of ERW, and 3178 pieces of CBU<sup>4</sup>. Within this area of 4.267.302 m<sup>2</sup> released through technical survey operations, mine threat was removed from the area of 3.226.116 m<sup>2</sup>, clearance operations cleared a total of 60.166 m<sup>2</sup>, while the area of 981.020 m<sup>2</sup> at eight (8) CBU tasks was technically surveyed and cleared.

<sup>3</sup> MSAs in questions were completed and certified (Certificate and Declaration issued) in 2021, so the number of mines and UXO found does not refer to 2021 only

<sup>4</sup> Tasks that commenced in 2020 and 2021, that were completed and certified in 2021, so the number of mines and UXO found does not refer to 2021 only.

## REPORT ON MINE ACTION 2021

There were 2,995 pieces of cluster munitions and 56 pieces of ERW at the cluster munitions tasks.<sup>5</sup> The average number of found mines per hectare is 45.

During 2021, Mine Action Centre was particularly focused on activities in facing the CBU threat, with the ultimate wish and intention to resolve the long-term issue within the approved deadline for the fulfillment of obligations as per Article 7 of the Convention, in September 2022. According to data as of January 31, 2022, the total of CBU suspect area is 1,45km<sup>2</sup>. Apart from ongoing CBU projects and tasks, the stated area also contains tasks where the ground activities are completed, and in the procedure of issuing the final documentation. As of January 31, 2022, CBU technical survey and clearance projects are conducted at seven (7) tasks, with ten (10) more CBU projects remaining. There are locations in Bosnia and Herzegovina with mixed contamination of both mines and CBU; more precisely, these are two (2) locations of a total area of 238,581m<sup>2</sup> and the financial assistance appeal has been submitted to ITF Enhancing Human Security.

Apart from the said completion and release of the land to population for safe use, Mine Action Centre activities in 2021 were also focused on opening of the new tasks, and continuation of the realization of tasks that already commenced. In 2021, a total of eighty one (81) Resolutions on approval of the work tasks were issued. These are twenty two (22) Resolutions on approval of the work tasks for the conduct of mine action on MSA (mine suspect area), thirty six (36) Resolutions on approval of the work tasks for the conduct of demining-technical survey, (12) Resolutions on approval of the work tasks for the conduct of demining-clearance, nine (9) Resolutions on approval of work tasks for the conduct of demining-cluster munition, and two (2) Resolution of opening of the new mine risk education task.

With the review of status as of January 2022, twenty five (25) MSAs are currently in the process of realization with the area of 46 km<sup>2</sup>: eighteen (18) separate technical survey and clearance tasks, and seven (7) tasks of CBU removal. Additionally in the past years, activities on targeted and systematic survey were also concluded at 12km<sup>2</sup> of mine suspect area.

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<sup>5</sup> These are previously commenced cluster munition tasks, completed and certified in 2021, so the number of found devices does not refer only to 2021.

## REPORT ON MINE ACTION 2021

A total of 1.946 mines were found and removed in Bosnia and Herzegovina during 2021, out of which 1717 anti-personnel mines, 229 anti-tank mines, 1261 pieces of CBU munitions and 1636 pieces of UXO.<sup>6</sup>

Since the beginning of technical survey and mine clearance operations in Bosnia and Herzegovina in 1996, and concluding with 2021, the area released for safe use is 3.278 km<sup>2</sup>, with found and destroyed a total of 70.919 anti-personnel mines, 8.783 anti-tank mines, and 64.353 pieces of ERW.

We estimate the number of remained expected mines in BiH to be 175.000.

The following tables demonstrate the mine action activities on MSA, mine and CBU technical survey and clearance tasks conducted in 2021.

ADMINISTRATIVE REGION	TECHNICAL SURVEY	Mines found	UXO found	Percentage
SREDNJO-BOSANSKI CANTON	2	65.122	65.122	2%
ZENIČKO-DOBOJSKI CANTON	2	121.395	121.395	4%
HERCEGOVAČKO-NERETVANSKI CANTON	8	388.131	388.131	12%
BOSANSKO-PODRINJSKI CANTON	1	96.366	96.366	3%
SARAJEVSKI CANTON	3	265.839	265.839	8%
CANTON 10	4	193.128	193.128	6%
UNSKO-SANSKI CANTON	2	149.493	149.493	5%
TUZLANSKI CANTON	1	66.246	66.246	2%
FEDERATION BIH	23	1.345.720	1.345.720	42%
REPUBLIC OF SRPSKA	13	646.957	646.957	20%
BRČKO DISTRICT	4	123.439	123.439	4%

**Table 4. Technical survey results per administrative region**

<sup>6</sup> It is the number of mines and UXO found at the total of tasks in 2021

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Government organization	FEDERAL CIVIL PROTECTION ADMINISTRATION FBIH	9	524.396	524.396	9.072	40	0	212
	ARMED FORCES BIH	23	1.846.940	1.846.940	17.457	82	4	212
	REPUBLIC ADMINISTRATION OF CIVIL PROTECTION OF THE RS	3	118.394	118.394	303	1	1	7
Non-government organization	NGO STOP MINES	2	70.040	70.040	601	3	0	0
	UG DEMIRA	1	45.277	45.277	500	2	0	4
Commercial	N&N IVSA	3	182.225	182.225	5.680	7	0	3
	DETEKTOR	2	136.016	136.016	0	0	0	0
	"IN DEMINING" N.H.O.	3	63.330	63.330	200	1	0	0
	UEM doo	5	239.498	239.498	1.211	8	5	2

**Table 5. Results of technical survey per organization**

ZENIČKO-DOBOJSKI	2	21.540	21.540	0	18	0	16	35%
BOSANSKO-PODRINSKI	1	7.789	7.789	0	3	0	0	13%
TUZLANSKI	3	4.959	4.959	0	0	0	0	8%
SARAJEVO	1	16.459	16.459	0	58	0	2	27%
REPUBLIC OF SRPSKA	4	9.419	9.419	0	4	0	0	16%
BRČKO DISTRICT	0	0	0	0	0	0	0	0%

**Table 6. Results of clearance per administrative region**

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**Table 7. Results of clearance per organization**

MINE CLEARANCE		Number of Organizations	Number of Mines	Number of Clusters	Number of Mines	Number of Clusters	Number of Mines	Number of Clusters	Percentage
Government organizations	FEDERAL CIVIL PROTECTION ADMINISTRATION FBiH	2	9.248	9.248	3	0	0	0	15%
	ARMED FORCES BIH	2	16.662	16.662	58	0	2	0	28%
	REPUBLIC ADMINISTRATION OF CIVIL PROTECTION RS	2	4.938	4.938	3	0	0	0	8%
Non-government organizations	NVO PRO VITA	1	3.765	3.765	0	0	0	0	6%
	UEM doo	1	2.879	2.879	1	0	0	0	5%
Commercial organizations	"IN DEMINING" N.H.O.	1	1.602	1.602	0	0	0	0	3%
	DETEKTOR	1	20.081	20.081	18	0	16	0	33%
	HEKSOGEN	1	991	991	0	0	0	0	2%
By region									
	Hercegovačko-Neretvanski	2	269.717	174.796	94.921	588	3	0	
	Zeničko - Dobojski	3	293.718	148.697	145.021	72	3	0	
	Tuzlanski	1	33.675	14.860	18.815	4	1	0	
	Srednje - Bosanski	1	141.450	95.703	45.747	2.317	47	0	
	Sarajevo	1	242.460	182.214	60.246	14	2	0	
	Armed Forces BiH	4	466.493	317.748	148.745	2.332	49	0	
	NPA	4	514.528	298.523	216.006	663	7	0	

**Table 8. Results of technical survey and cluster munition clearance**

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1	FED	51	Orahovica Jug	1,037	23.797	417.076	91	16
2	FED	52	Donji Svilaj - Novi Grad	1,098	397	97.381	1	1
3	FED	60	Orahovica	2,133	58.565	747.524	467	49
4	FED	69	Lendici	0,655	1.704	383.943	20	11
5	FED	71	Zuc	0,410	1.100	126.291	8	218
6	FED	72	Oras Planje	0,523	7.016	207.552	46	41
7	FED	73	Nebocaj	1,232	5.970	358.694	35	11
8	FED	7	Donji Malovan	4,670	138.143	1.123.519	650	191
9	FED	75	Gora-Kamenica	2,075	22.462	552.868	182	71
10	RS	35	Istocni Stari Grad	0,551	36.501	226.519	189	57
11	FED	37	Mlinista - Paripovac	3,749	272.504	1.090.064	1053	34
12	FED	43	Nekopi	2,723	34.511	590.596	158	22

**Table 9. Review of completed MSAs in 2021 – issued certificate and declaration**

Tuzlanski Canton	4	4,348	91.082	624	117
Posavski Canton	1	1,098	397	1	1
Sarajevski Canton	4	6,44	64.043	383	322
Canton 10	2	8,419	410.647	1.703	225
Federation BiH	11	20,305	566.169	2.711	665
Republic of Srpska	1	0,551	36.501	189	57
MAG	3	5,893	116.873	716	87
Federal Civil Protection Administration FBiH	1	1,098	397	1	1
Mine Detection Dogs Centre	6	5,446	74.753	414	357
„Pazi mine”	2	8,419	410.647	1.703	225

**Table 10. Review of completed MSAs in 2021 per administrative region**

# REPORT ON MINE ACTION 2021

1	FED	6	Bili potok	3,164	Kupres	Armed Forces Bosnia and Herzegovina
2	FED	8	Olovske Luke - Petrovići	7,770	Olovo	Armed Forces Bosnia and Herzegovina
3	FED	10	Jelačići	2,187	Kladanj	Armed Forces Bosnia and Herzegovina
4	FED	14	Vozuća	2,141	Zavidovići	The Mines Advisory Group-MAG
5	FED	15	Čavaš	1,270	Ravno	The Mines Advisory Group-MAG
6	FED	33	NP Una	3,529	Bihać	Federal Civil Protection Administration
7	FED	45	Bijelo Bučje	2,650	Travnik	Norwegian People's Aid (NPA)
8	FED	54	Vlajčići	2,174	Visoko	The Mines Advisory Group-MAG
9	FED	42	Kozlovac	2,231	Ilijaš	Federal Civil Protection Administration FBiH
10	FED	47	Radoč	1,021	Bužim	Armed Forces BiH
11	FED	63	Gradina	0,898	Olovo	Armed Forces BiH
12	FED	68	Šehovci 3	2,420	Sanski Most	Norwegian People's Aid (NPA)
13	FED	84	Zelinja Gornja	0,669	Gradačac	Armed Forces Bosnia and Herzegovina
14	FED	79	Vranjevići	2,250	Mostar	Armed Forces Bosnia and Herzegovina
15	FED	62	Zebina šuma	1,681	Foča	Federal Civil Protection Administration
16	FED	77	Fajtovci 1	1,920	Sanski Most	Mine Detection Dogs Centre in BiH
17	FED	87	Brčko Istok	0,758	Brčko	MAG Mines Advisory Group
18	RS	2	Hum 1	0,734	Trebinje	Republic Civil Protection Administration RS
19	RS	4	Jošje	1,185	Šekovići	Armed Forces Bosnia and Herzegovina
20	RS	17	Gornji Božinci	1,632	Derventa	Armed Forces Bosnia and Herzegovina
21	RS	18	Koprivna	2,637	Oštra Luka	Republic Civil Protection Administration RS
22	RS	25	Ljubljena	1,552	Berkovići	MAG Mines Advisory Group
23	RS	27	Crni Vrh - Šibovi	0,937	Mrkonjić Grad	Republic Civil Protection Administration RS
24	RS	23	Vojkovići	1,866	Istočna Ilidža	Armed Forces Bosnia and Herzegovina
25	RS	55	Brčko Sjever 1	1,034	Brčko	Norwegian People's Aid (NPA)

**Table 11. Review of MSAs during TS (as of January 2022)**

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1	FED	28	Tomina 1	1,791	Kupres	NGO STOP MINES
2	FED	30	Hrasnica	0,449	Gornji Vakuf - Uskoplje	Norwegian People's Aid (NPA)
3	FED	40	Carica	1,963	Busovaca	Mine detection dogs Centre in Bosnia and Herzegovina
4	FED	48	Drenova Glavica	0,353	Bosanska Krupa	Armed Forces Bosnia and Herzegovina
5	FED	50	Lanište	0,482	Kljuc	Mine detection dogs Centre in Bosnia and Herzegovina
6	FED	53	Hodovo	2,164	Stolac	The Mines Advisory Group-MAG
7	FED	74	Kosmač	2,425	Hadzici	"IN DEMINING" N.H.O.
8	FED	78	Gola Brda	1,422	Stolac	The Mines Advisory Group-MAG
9	RS	13	Zborište - Krušćik	0,826	Brod	Republic Civil Protection Administration RS
10	RS	21	Kruševo Brod 1	2,170	Kotor Varos	Norwegian People's Aid(NPA)
11	RS	31	Koraće	0,991	Brod	Norwegian People's Aid(NPA)

**Table 12. Review of MSAs with completed targeted and systematic investigations – technical methods, in 2021<sup>7</sup>**

<sup>7</sup> MSAs where technical methods were completed but not completed in the sense of certification and declaration issuance. In accordance with the SOP for NTS and after completion of technical methods, and before issuing of the certificate and declaration, the quality of the final report will be evaluated, and the declaration of release of suspicion on mines will be signed.



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1	4077 10820	Lisača 1	Federal Civil Protection Administration	Technical survey	139.435	Kalesija
2	4132 11016	Kasarna Krupa - NUS	Armed Forces BiH	Clearance	2.129	Hadžići
3	4206 7225	Krvava glava 2	Republic Civil Protection Administration RS	Technical survey	53.990	Ravno
4	4236 6644	Zaušje	Federal Civil Protection Administration	Technical survey	45.758	Stolac
5	4237 6646	Budisavina	Federal Civil Protection Administration	Technical survey	56.219	Stolac
6	1002079 2736	Klakar Donji 6	Armed Forces BiH	Technical survey	139.806	Brod
7	4248 10648	Risovac - Gnjat	Federal Civil Protection Administration	Clearance	8.155	Bosansko Grahovo
8	4279 11124	M 14.1 dionica Grmuša - Mali Radić	Federal Civil Protection Administration	Technical survey	206.230	Bosanska Krupa
9	4280 10625	Oštra Luka - Bok 1	Armed Forces BiH	Technical survey	85.170	Orašje
10	1002101 53977	Jahorina OC-Paloševina, nastavak	Republic Civil Protection Administration RS	Technical survey	15.426	Trnovo
11	4288 11157	Crni Bunarevi	Armed Forces BiH	Technical survey	46.268	Bosansko Grahovo
12	1002108 54160	Obudovac-Starice 1A	Armed Forces BiH	Technical survey	104.416	Šamac
13	4282 6705	Šehov gaj Lazine 5	Federal Civil Protection Administration	Technical survey	115.445	Vitez
14	4304 10397	Lepnica - Veprice	Federal Civil Protection Administration	Technical survey	69.026	Orašje
15	4299 10365	Grabež - Hardika	N&N IVŠA	Clearance	21.595	Bihać
16	1002111 51376	Trbuk 1	Point	Technical survey	39.208	Doboj
17	1002117 54465	Zelinja Gornja 6	N&N IVŠA	Clearance	40.325	Doboj
18	1002112 52903	Bastasi	Point	Technical survey	7.286	Foča

**Table 13. Review of ongoing TS and clearance tasks (as of January 2022)**

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Order	Entity	ID	Location	Planned	Support	Cluster
1	FED	KM-53	Solun-Crni potok	50.790	40.838	Olovo
2	FED	KM-90	Tojišići	5.298	88.420	Kalesija
3	FED	KM-91	Mionica	8.355	20.160	Gradačac
4	FED	KM-61	Zorin potok	60.198	41.740	Kladanj
5	FED	KM-87	Smetovi	42.605	54.550	Zenica
6	FED	KM-98	Mijakovići	47.772	135.700	Vareš
7	FED	KM-99	Križevići	65.678	95.220	Olovo

**Table 14. Review of ongoing cluster munition tasks (as of January 2022)**

### 3.5 Permanent marking

During 2022, sixty seven (67) permanent mine marking signs were placed. Permanent marking was conducted within the completed demining tasks at five location in order to mark the borders with risk areas.

## 4. MINE/ERW/CLUSTER MUNITIONS RISK EDUCATION

Mine risk education in 2021 was implemented through public dissemination, education of affected and other groups of population, and through liaising of mine action with affected community. During this reporting period, 29.944 persons received mine/ERW/cluster munition education.

Due to emerging situation related to the restrictions brought upon by COVID-19 and impossibility of public gatherings in local communities, restrictions of extracurricular activities in schools and other organizations, we have been forced to adjust mine risk education to these conditions, which obviously affected the results. In order to resolve this issue, online methods for mine risk education were defined and coordinated as short mine risk education movie adjusted to various ages; the movies will be distributed via schools online teaching platforms. Similar proposition is being

prepared for online mine risk education for other groups in affected communities, such as hunters, climbers and similar. Red Cross Society BiH continued their mine risk education in schools, and the school competition „Think Mines!“ has continued: 11th competition „Think Mines!“ on the state level was held for three winning entity teams that won competition in 2019. The competition was not held in April 2020 due to COVID 19 pandemics.

Within the Mine Awareness Week, a prize competition **“Knowledge against Mines”** was organized for fine arts and literary works by pupils from primary school, and for literary works by high school students. There was an exposition of works that shortlisted for the republic award during “Think Mines!” competition. According to Red Cross Society BiH, approximately 10.000 children directly or indirectly participated in various competitions from school, municipality, regional, and up to state level competition. Through art and literary contests of primary and secondary school pupils, approximately 5.000 children participated. Based on the needs defined for the expert training of personnel, and in accordance with standard operational procedures for mine awareness, the Red Cross Society BiH in cooperation with BHMACH organized and successfully realized a course for new mine awareness instructors. Mine risk education activities are continued for migrants passing Bosnia and Herzegovina, and settled in temporary facilities on Bosnia and Herzegovina territory. Due to their specific manner of movement, they are extremely exposed to mine threat. Having in mind the trends of migrants’ moving through Bosnia and Herzegovina on their way to the countries of middle and western Europe, the International Organization for Migration (IOM) works in BiH and closely cooperates with its institutions and works in a joint effort towards improvement of migrants’ stay, their safety and security; the IOM has started a project of mine awareness with the Mine Action Centre BiH (BHMACH). The IOM put in additional effort and completed the education of mine awareness instructors, in order to increase capacities and abilities for awareness in migrants’ population. In cooperation with the United Nations Development Program, a mobile mine awareness application “BihMine” was created in order to contribute greatly to the development of awareness about the proximity of mine suspect areas. The application shows the distance and the location of the nearest mine suspect area, a short mine/ERW/cluster munitions risk education instruction, which will greatly contribute to mine risk education for tourists, climbers, hunting societies and similar categories of people. The epidemiologic situation in BiH

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caused by COVID-19 decreased the financial support to demining, and with it the intensity of demining in Bosnia and Herzegovina. Therefore, activities were focused on enhanced emergency marking operations, being an integral part of humanitarian demining and mine risk education. Emergency marking was conducted through the cooperation of Mine Action Center BiH and AFBiH survey teams, and through the completion of projects conducted by accredited demining organizations and mine risk education organizations. A total of 2.869 emergency marking signs were placed through these activities with the ultimate goal: within mine risk education, the total suspect area in Bosnia and Herzegovina marked as a measure of risk reduction in all suspect areas.

Bijelo Bučje, Korace, Kruševo Brdsko, Šehovići, Vlasici, Hrasnica, Brčko Sjever	MSA	Norwegian People's Aid	BiH	4.975
Brdo Gorica, Novo Selo, Stupišta, Tojšići, Vlaka, Zorin Potok, Skoljica Brdo, Krizevici	Cluster munition	Norwegian People's Aid	RS	1.845
Misli Mine	Mine risk education	Red Cross Society BiH	BiH	10
Arts and literary competition: <b>Knowledge against Mines</b>	Mine risk education	Red Cross Society BiH	RS	5
Brčko District	Mine risk education	Posavina bez mina	BD	94
EUFOR	Mine risk education	EUFOR	BiH	8.03

**Table 15: A review of MRE activities**

## **5. MINE/ERW/CLUSTER MUNITIONS VICTIMS ASSISTANCE**

From January 1 to June 30 2021, the mine victims' assistance project in BiH CHAMPS BiH is continued; the project was funded by US State Department within the realization of Mine Detection Dogs Centre – MDDC. This project has been implemented each year since 2015, and in 2021, it provided assistance to 20 persons throughout BiH, who received upper or lower limb prosthetics, socket and additional liners replacements, or the replacement of the entire prosthetic aid.

In the second half of 2021, Mine Detection Dogs Centre in BiH worked on a victims' assistance project implementation, financed by the Government of the Republic of Germany, through ITF. The project aim was to develop and adjust 60 pieces of prosthetics for 55 mine/UXO victims from BiH (five double amputees) in orthopedic facilities throughout Bosnia and Herzegovina. Three top athletes (sitting volleyball) received home fitness devices. A total of 55 mine/UXO victims received 60 top quality and expertly placed prosthetic devices. The project also had in mind to enhance two mine victims economically – working on this project, the two victims received a monthly pay with paid tax, for full seven months. The primary users are mine and UXO victims from Bosnia and Herzegovina.

In two rehabilitation centers in Bosnia and Herzegovina, 21 patients were successfully treated. All 55 users were equipped with medical devices, TENS devices for home rehabilitation and easing of the pain, and active athletes were equipped with rehabilitation devices as approved by ITF).

In 2021, the association of amputees „UDAS“ ensured free legal assistance and support for total of 314 users, disabled veterans, mine victims, civil victims of war, fighters and other disabled persons. The support was provided for the realization of health care, and veterans and disabled veterans pensions. UDAS finalized the activities of securing rights to a prosthetic device. During 2021, quality prosthetic devices were made for amputees, civilian war victims, and mine victims. Ten prosthetic fittings were

completed and 5 top quality prosthetic devices were made for lower extremities. ITF Slovenia financed the creation of these devices.

From May to October 2021, the campaign was finalized under the name „All Different – All Equal“, with the aim to raise awareness about disabled persons rights. Ultra-trail „All Different – All Equal“ represents the continuation of last year's climb on Maglič named „Mountain Challenge for Mine Survivors“. Through this challenge, mine survivors promote rights, capacities and potentials of mine survivors and disabled persons, reminding the public and authorized the institutions to fulfil the remaining obligations under the Mine Ban Treaty relating to mine clearance and enabling support for mine victims until 2025. The said challenge was supported by Mine Action Centre BiH.

With the aim of improving knowledge and enhancing the capacities, a two-day education was organized for disabled veterans, amputees and mine victims in the domain of beekeeping. A total of 30 mine survivors from BiH attended. A part of beekeeping equipment was provided for 25 users – mine survivors. During September 2021, six (6) amputees/mine survivors successfully completed a two-phase Ultra-Trail „All Different – All Equal“ Bjelašnica – Jahorina in its length of 57 km. This activity was initiated by mine survivors.

In November 2021, and in relation to the Mine Victims Assistance Project that started in June 2021, a conference was held in Sarajevo with German ambassador Margret Uebber and military attaché Franz Josef Nolte attending. A total of 55 mine survivors men and women will be provided with 60 fitted and high quality prosthetics, along with additional silicone fittings for comfort adjustments. This will improve their quality of life and their movement.

## 6. QUALITY ASSURANCE

In 2021, 1.021 certificates and 130 accreditations were issued for mine action in BiH. Out of this number, 73 accreditations were newly issued and 57 accreditations were annually renewed. There were 38 inspection certificates issued, and 8 demining organization accreditations were extended.

Quality control inspectors from Mine Action Centre BiH have completed 3.462 technical inspections at 117 tasks.

No of inspected tasks	No of inspections	Inspection /Task	No of inspected tasks	No of inspections	Inspection /Task	No of inspected tasks	No of inspections	Inspection /Task	No of inspected tasks	No of inspections	Inspection /Task	
66	859	13,02	41	2.603	63,48	9	97	10,78	1	4	4	3.462

**Table 16: Efficiency and productivity of technical inspection**

In order to acquire or renew accreditation, i.e. regular annual review, 125 metal detectors tests were conducted in 2021, along 75 EDD<sup>8</sup> teams' tests, and 1 demining machine test. A total of 18 reviews and assessments of operability of equipment and means were conducted in 11 accredited organizations in order to acquire or renew accreditation, i.e. purchase new equipment.

Planned	Completed	Realization	Planned	Completed	Realization	Planned	Completed	Realization
77	125	162%	80	75	93,7%	0	1	

**Table 17: Review of resources tests**

<sup>8</sup> EDD (prega) – a term for the dog handler and explosive detection dog

## 7. TRAININGS

Within this reporting period, and before the demining season, the demining organizations conducted regular periodical additional training of their operational demining staff. Additional trainings were also conducted for all newly employed deminers. Apart from regular additional trainings, emergency trainings were conducted as per assessment of organization's management, following a demining accident or at the request of the investor.

The trainings were successfully conducted under the stipulations of Standard for Removal of Mines and UXO in BiH, and Instruction of the Mine Action Centre that set the minimum content of additional training plan before the commencement of the demining season in 2021. BHMAC inspectors from authorized regional offices supervised training and additional trainings regularly.

In 2021, there were 247 recorded attendees of the vocational training, and 912 attendees of the additional trainings.

EDD formation (integration)		1+1+5	1	1+1		
Basic demining course		26+27	11		10+12+15	
Demining section leader		19+24			2	
Monitor						
Mechanical preparation machine operator		13				
Operator for TS and CBU clearance					5+10	
Quality control inspector	10					
MRE instructor	19+20					25
Surveyor		17				

**Table 18. Review of completed trainings**



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APP	PAIP	PACP	NPA	RCO DSM	DEM DEM	MS	DEM	BAC	DEM	DEM	DEM
392	127	71	99	17	24	22	26	68	22	25	19

*Table 19. Review of completed additional trainings in demining organizations*

## 8. ADVOCACY AND INTERNATIONAL COOPERATION

Representatives of Mine Action Centre BiH participated at an online meeting held in February 2021, on decision making process as per Articles 3 and 4. of the extension request for removal of cluster munitions, to clarify current situation regarding final approvals for the extension.

In March 2021, and in response to Mine Ban Convention Implementation Support Unit from Geneva, representatives of Mine Action Centre participated at an online meeting with the members of the Committee on Article 5 implementation, to exchange information on our country's progress in the implementation of obligations under Article 5, and prior to Bosnia and Herzegovina's deadline for the submission of report on Article 7.

In March 2021, Brčko supervisor Michael Scanlan visited Mine Action Centre BiH regarding the continuation and completion of demining in Brčko District area. In continuance of the conversation in April 2021, at an online meeting held with the representatives of District Brčko Government, Chamber of Commerce, "STUDEN & Co Holding", and BHMAR Brčko, the supervisor pointed out the enhanced focus of Brčko District authorities on mine removal activities, which will contribute to general safety, and create advantageous conditions for the development of tourism and construction of key transport routes towards external markets.

In April 2021, the BiH Civil Aviation Directorate and the Mine Action Center BiH signed an agreement on cooperation in the area of search and rescue activities in the event of an air accident on the territory of BiH; the agreement anticipates three types of exercise, some of them to be held at least twelve times a year.

During June 2021, BHMAR representatives participated at the international symposium "Mine Action 2021" in Novi Vinodolski, Croatia. The symposium offered the

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exchange of experience, discussions on resolving technical and managerial issues, newest technologies, equipment, and working methods on the ground.

In July 201, a meeting of the Demining Commission BiH and BHMACH was held with the representatives of donor countries embassies in the domain of demining, aimed to consider the current situation in the demining process. Apart from review of the progress made, and the official introduction of Request for Extension to the Deadline for Fulfilling Obligations as per Article 5 of Ottawa Convention, and the official Request for Extension to the Deadline related to cluster munition issue in Bosnia and Herzegovina, the meeting aimed to promote mutual understanding and vision for the implementation of obligations in mine and cluster munitions clearance assumed by Bosnia and Herzegovina.

In August 2021, acting principal deputy assistant secretary Stan Brown and Kelly Matanin from the Bureau of Political-Military Affairs of State Department, and the representatives of USA Embassy in BiH, met with the members of the Demining Commission in BiH, and the director of BHMACH, Saša Obradović. The importance of joint action of all state structures engaged in this domain was the highlight of this meeting, aimed at timely action and necessary changes of the existing laws and bylaws, i.e. their adjustment to the current situation in the country.

In September 2021, and with a view to continue good practice in mine action so far, and the conversation of the implementation of projects planned for the forthcoming period, and the activities from the domain of mine risk education related to migrants routes and camps, representatives of Mine Action Centre visited the Red Cross of Republic of Srpska and issued certificates to all participants who successfully completed the five day mine awareness course.

In September 2021, the first Demining and EOD Seminar was organized by Intelligence Sec, and it gathered all the leading organizations and institutions engaged in mine removal in Bosnia and Herzegovina and wider Balkans. The seminar pointed out the significant results on the ground and continuous realization of tasks, along with creation of exit strategies and further capacity building, which all lead towards a country free of mines and explosive devices. During the same month, and in cooperation with NGO Norwegian People's Aid, a regional technical survey course was held to

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familiarize all attendees with clear definitions and guidelines for good practice, as recommended by International Standards for Mine Action.

During November 2021, the Mine Action Centre BiH representatives participated at the Regional quality management course organized by the Geneva Centre for Humanitarian Demining. The course was hosted by the Mine Action Centre of the Republic of Serbia, and assisted by German Federal Foreign Office. The course aimed to increase efficiency, effectiveness, results and achievements of strategic goals through improved quality management. The Mine Action Centre BiH representatives visited the training facilities for deminers training in Grocko.

At the 19th Meeting of States Parties Anti-Personnel Mine Ban Convention held in November 2021, Bosnia and Herzegovina delegation expressed once more its strong commitment to continue action in facing the threat presented by mines and explosive remnants of war, with the intention to resolve the long-lasting issue within the approved deadline, i.e. as of March 2021.

During November 2021, the Mine Action Centre representatives participated at the Workshop on Mine Action Technologies in Geneva, and organized by Geneva Centre for Humanitarian Demining in cooperation with UNMAS. The workshop was focused on the Land Release method, information management system, and mine risk education.

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### 9. ANALYSIS OF OPERATIONAL CAPACITIES PRODUCTIVITY

In 2021, there were 26 organizations in Bosnia and Herzegovina accredited for mine action, with 9 commercial organizations, 12 non-government organizations, and 5 government organizations. Organizations had at their disposal 28 machines for mechanical preparation of the ground, 45 EDD tams and 1135 metal detectors.

9. ANALYSIS OF OPERATIONAL CAPACITIES PRODUCTIVITY					
No.	Type of Organization	Name of Organization	Machines	EDD tams	Metal Detectors
1	COMMERCIAL ORGANIZATIONS	MINEMON d.o.o Pale	0	0	10
2		TROTIL d.o.o Sarajevo	0	0	7
3		POINT d.o.o	1	2	26
4		DETEKTOR d.o.o	1	2	32
5		CHR d.o.o	0	2	23
6		EKSPLORING d.o.o	0	0	5
7		N&N IVŠA d.o.o	2	3	58
8		HEKSOGEN d.o.o	0	0	8
9		UEM d.o.o	2	2	53
10	NGO	IN DEMINING	1	2	50
11		MINE DETECTION DOGS CENTRE	0	1	20
12		NGO POSAVINA BEZ MINA	0	0	0
13		NGO PRO VITA	0	0	13
14		NGO STOP MINES	1	4	116
15		NORWEGIAN PEOPLE'S AID (NPA)	4	5	177
16		MAG	0	4	62
17		UDRUŽENJE ZA ELIMINACIJU MINA-UEM	0	0	1
18		UG DEMIRA	1	2	34
19		UG EKO DEM	1	0	20
20		UDRUGA PAZI MINE VITEZ	0	0	35
21	UDRUŽENJE ZA OBUKU PASA TRENING TIM	0	0	0	
22	GOVERNMENT ORGANIZATIONS	FEDERAL CIVIL PROTECTION ADMINISTRATION	5	4	116
23		CIVIL PROTECTION BRČKO DISTRICT	0	0	7
24		RED CROSS SOCIETY BIH	0	0	0
25		ARMED FORCES BIH	5	9	217
26		REPUBLIC CIVIL PROTECTION ADMINISTRATION RS	4	3	45

*Table 20: Review of resources in 2021*

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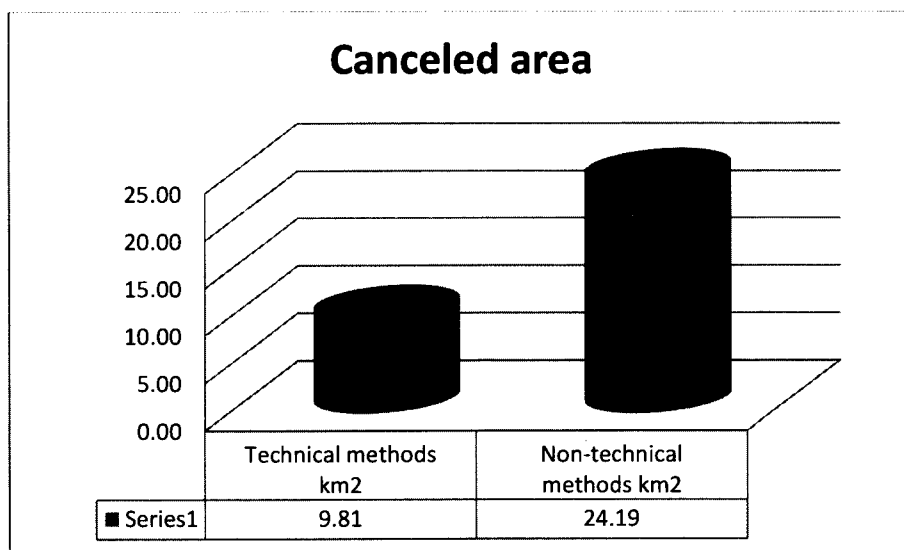
In accredited organizations, 1.021 engaged persons were all accredited for mine action activities, and licensed to work, i.e. 721 deminers and 300 persons accredited for managerial and supervisory tasks (team leaders, site leaders, operations officers, quality assurance officers, EDD trainers, dog handlers, operators etc.)

### 10. ELIMINATION OF RISK

During 2021, the suspect hazardous area was reduced by 34km<sup>2</sup>. Through non-technical methods (systematic and general/non-technical survey) conducted by Mine Action Centre BiH, 24,19km<sup>2</sup> were cancelled. Through technical methods, 9,91 km<sup>2</sup> were reduced as follows: 5,92km<sup>2</sup> through technical survey at MSA (reduced area), 0,61 km<sup>2</sup> through clearance at MSA, 3,22km<sup>2</sup> through technical survey (classic tasks), and 0,060m<sup>2</sup> through mine clearance (classic tasks). Cleared and technically surveyed area on cluster munitions tasks is 0,98km<sup>2</sup>.

CANCELED AND REDUCED SUSPECT HAZARDOUS AREA			
	Area (km <sup>2</sup> )	Area (km <sup>2</sup> )	Percentage (%)
Canceled area	<b>117,90</b>	24,19	21%
Reduced through MSA	<b>13,00</b>	5,92	46%
Cleared through MSA	/	0,61	/
Technical survey	<b>7,00</b>	3,22	46%
Clearance	<b>2,50</b>	0,06	2,40%
<b>TOTAL</b>	<b>140,40</b>	34,00	24%
Clearance and TS – cluster munitions	<b>2,00</b>	0,98	49%
<b>TOTAL</b>	<b>142,40</b>	34,98	24,56%

**Table 21: Review of reduced suspect hazardous area**



*Figure 6. Review of reduced suspect area as per method*

## 11. FUNDING

In 2021, the Mine Action Centre BiH expenditure is 5.567.766,00 BAM. The funds were spent within two programs, 3.340.659,60 BAM for project planning in Mine Action, and 2.227.106,40 BAM for quality assurance in Mine Action.

Apart from Mine Action Centre expenditure, national institutions committed 9.576.809,31 BAM to demining in 2021, while 15.428.416,36 BAM were committed by donors and international funds.

BIH budget, Mine Action Centre	5.567.766,00										
BIH budget, (Armed Forces BiH)	2.576.795,95										
Federal Government (FACP)	3.600.000,00										
Government of Republic of Srpska (RACP RS)	3.170.670,50										
Government of Brčko District BiH	229.342,86			229.342,86							
The Mines Advisory Group - MAG	4.648.572,47										
UNDP	8.874,37										
International Red Cross Committee	73.400,00					72.400,00	1.000,00				
EUFOR	18.330,00										
(ITF) Enhancing Human Security	3.976.259,52	188.115,93	571.176,04			26.600,00	645.252,38	1.799.727,49	601.203,55	2.955,76	141.228,37
(NPA) Norwegian People's Aid	6.702.980,00	364.980,00	0	3.357.574,00	2.843.426,00	137.000,00	0				

**Table 22: Review of funding in 2021**

Czech Republic	20.917,65
Rene Schasse	1.136,96
Korea	64.159,01
Germany	1.760.130,71
United States of America	1.969.390,19
Slovenia	160.525,00

**Table 23: Review of ITF funding sources**

Ministry of Foreign Affairs Norway	3.894.323,00
German Federal Foreign Office	2.460.943,00
Federal Department of Foreign Affairs	347.714,00
Swiss Agency for Development and Cooperation	

**Table 24: Review of Norwegian People's Aid funding sources**

## REPORT SUMMARY

Bosnia and Herzegovina is amongst countries with a huge mine contamination issue. The size of the suspect hazardous area in BiH as of January 2022 is 922,37 km<sup>2</sup> or 1,80% out of total area of BiH<sup>9</sup>, and the size of hazardous area suspect of cluster munitions in BiH is 1,45 km<sup>2</sup>.

Unfortunately, and although the number of civilian victims is decreasing, there were three demining accidents in 2021. The fatality in the first accident was a minor who activated an unknown explosive device in a household; in the second accident, having entered the marked risk area while hunting, two adults were killed by a PROM-1 mine. The third demining accident occurred during the explosive ordnance disposal; the detonation resulted in minor injuries to the deminer/operator for the explosive ordnance disposal.

Technical survey/general survey operations were conducted at the area of 40,12km<sup>2</sup>. The total 34 operational plans for mine action on MSA were prepared, along with 18 new projects for clearance, technical survey and cluster munitions disposal.

During 2021, and through twelve (12) completed mine suspect area tasks (MSA), the area of 20.859,470m<sup>2</sup> was released for safe use, after found and destroyed a total of 2.900 mines and 722 pieces of UXO.<sup>10</sup>

Furthermore, technical survey, mine clearance and cluster munition clearance operations were completed at 71 tasks, with the 4.267.302 m<sup>2</sup> certified area at the end of the year. Through mentioned operations, 237 mines were found and destroyed, 227 out of them anti-personnel mines, 10 anti-tank mines (found and destroyed, 514 pieces of ERW (found and destroyed), and 3.178 pieces of CBU (found and destroyed).<sup>11</sup> Within the released area of 4.267.302 m<sup>2</sup> through technical survey operations, the mine threat was removed from the area of 3.226.116 m<sup>2</sup>, and mine clearance operations cleared a total of 60.166 m<sup>2</sup>, while the area of 981.020 m<sup>2</sup> was technically surveyed and cleared

<sup>9</sup> According to the first assessment of Mine Action Centre BiH (UNMAC) from 1998, mine suspect hazardous area in BiH was 4.200 km<sup>2</sup> or 8,2% out of total area of BiH.

<sup>10</sup> MSAs completed and certified in 2021, so the number of found mines and UXO does not refer to 2021 only

<sup>11</sup> Tasks commenced in 2020 and 2021, completed and certified in 2021, so the number of mines and UXO found does not refer to 2021 only.



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at eight (8) cluster munitions tasks. Through cluster munitions tasks, 2.995 pieces of CBU and 156 pieces of ERW were found and destroyed.<sup>12</sup>

In Bosnia and Herzegovina in 2021, 1.946 mines found and disposed of, 1717 anti-personnel mines among them, 229 anti-tank mines, 1261 pieces of cluster munitions, and 1636 pieces of UXO.<sup>13</sup> The estimated number of expected mines in BiH is 175.000.

After the status overview in January 2022, twenty-five (25) MSAs of 46m<sup>2</sup> are under realization, along with eighteen (18) individual tasks of technical survey, and seven (7) cluster munitions clearance tasks. Additionally, the activities of targeted and systematic survey were completed at 12km<sup>2</sup> of the mine suspect area.

Apart from other mine risk education activities, Mine Action Centre BiH survey teams and organizations accredited in BiH placed or renewed 2.869 mine/ERW/cluster munitions warning signs.

In 2021, the ITF (Enhancing Human Security) invited 3 tenders for technical survey and clearance tasks, for 42 projects with a risk area of 810.456 m<sup>2</sup>.

During 2021 in Bosnia and Herzegovina, there were 26 organizations accredited for mine action as follows: 9 commercial organizations, 12 non-government organizations, and five government organizations.

In 2021, the suspect hazardous area has been reduced for 34km<sup>2</sup>. Mine Action Centre BiH canceled 24,19km<sup>2</sup> through non-technical methods (systematic and general/non-technical survey). Technical methods reduced an area of 9,81 km<sup>2</sup> as follows: 5,92km<sup>2</sup> through technical survey at MSA (reduced area), 0,61 km<sup>2</sup> through clearance at MSA, 3,22km<sup>2</sup> through technical survey (classic tasks), and 0,060m<sup>2</sup> through mine clearance (classic tasks). The cleared/technically surveyed area on cluster munitions tasks was 0,98km<sup>2</sup>.

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<sup>12</sup> Previously commenced cluster munition tasks, completed and certified in 2021, so the number of devices found does not refer only to 2021

<sup>13</sup> Number of mines and UXO found at all tasks in 2021

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In 2021, the Mine Action Centre BiH expenditure is 5.567.766,00 BAM. The funds were spent within two programs, 3.340.659,60 BAM for project planning in Mine Action, and 2.227.106,40 BAM for quality assurance in Mine Action. Apart from Mine Action Centre expenditure, national institutions committed 9.576.809,31 BAM to demining in 2021, while 15.428.416,36 BAM were committed by donors and international funds.

Through all the above, it is recommended that the Council of Ministers of Bosnia and Herzegovina, after consideration of Report on Mine Action in 2021, adopts the following

### CONCLUSION

**The Council of Ministers of Bosnia and Herzegovina adopted the Report on Mine Action for 2021.**

No \_\_\_\_\_,

Year \_\_\_\_\_

**Sarajevo**

**Chairman of the  
Council of Ministers of Bosnia and Herzegovina**

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*Dr. Zoran Tegeltija*