

2020

DISASTER MANAGEMENT



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Director General

Complied by:
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Graphic design, typography and printing:
Duna-Mix Kft.

HU ISSN 1785-227



**NATIONAL DIRECTORATE GENERAL
FOR DISASTER MANAGEMENT,
MINISTRY OF THE INTERIOR**

Director General's Greeting

2020 was an unusual year in every way. We have found that what was obvious and natural until then became uncertain in an instant. The balance of the world so far has been upset, serious decisions had to be made everywhere without exception. Globally, this year has been about external and internal security, the delicate relationship between constraints and freedom. In a world changed by the COVID-19 epidemic, which had taken root from its corners, hitherto completely unusual methods had to be used to prevent the spread of infection, and in the meantime the human factor and completely incomprehensible fears could not be ignored.

In this situation, disaster management also had to strive for a new balance. I think it worked. After all, we have found and applied the tools and methods with the help of which the organization was able to perform its basic tasks while the aspects of security prevailed. Be it the intervention staff as well as the people for whom this organization works. This could only be achieved if, while the well-proven, traditional systems of tools that were decisive in the life of an organization operating under strict rules were in place, there was also the flexibility needed to resolve unexpected situations. The professionals in the organization have always had a need to constantly research what methods and programs we can use to improve our skills. This work is ultimately about maintaining a delicate balance. Reliable, gripping permanence and the ability to adapt flexibly to new challenges and unexpected turns. So the new world created by the pandemic did not make us aware, but rather confirmed the importance of the ability to change quickly, to renew.

So this was the year when all the members of the staff of almost thirteen thousand performed their daily tasks



with having to meet unexpected challenges. After all, in addition to many other organizations, Disaster Management was also involved in the management of the epidemic situation, performing planning, organizational, logistical or even GIS tasks. Of these, there was certainly not one that posed a completely new challenge to colleagues, but in the public interest, there could be no question, it had to be resolved. Most of these tasks took place in the background, and rightly so. There are things that can be considered successful if they go unnoticed by the citizen.

In addition, in the field of Disaster Management, investments and equipment developments continued in 2020, which will enable aid to reach all parts of the country as soon as possible, fire-fighting units to cope with the most difficult terrain, adequate water supply and energy resources in the farthest corners, manage them with a confident, trained staff. Adequate infrastructure, financial resources, sound professional foundations and legal regulations are essential to ensure that firefighters

dealing with damage caused by extreme storms, natural disasters and accidents have all the necessary conditions for professional intervention. In order to keep them up-to-date, it was necessary to monitor the operation everywhere and at all levels, to review the methods, to improve the system and, where necessary, to fill the gaps. New fire guards started operating, barracks were built in several parts of the country, the vehicle fleet was renewed in every county, our projects provided units equipped with the most modern tools, we installed special vehicles while continuously training our colleagues on how to use the new technology most effectively.

A year ago, we were preparing with great excitement for the one and a half century anniversary of the establishment of the organized Hungarian fire brigade. Before the great deeds of the great predecessors, if not according to the original plans, we bowed our heads: we celebrated the 150th anniversary of the formation of the professional fire brigade, if it could not have been otherwise, then in the virtual space.

All of this, of course, we try to present in this yearbook as much as possible. I am confident that through the activities of the individual specialties and counties we can see under what conditions and with what background support this huge work was carried out by the disaster management.

So last year, overall, was about how we were able to balance again and again. The struggle didn't end with the year, but a chapter was over. It was a very important chapter for us, and it was also a very tough test of strength this year. As we stood the test, we looked ahead and never lost faith in the fact that development, investment, innovation are all necessary and important,

as this is how our future will be shaped. We build from the past, but we build the future. Perhaps this is the most important message of the past year.

Fire Fighter Major General
Dr. Zoltán Góra
Director General



Brigadier General
Krisztián Erdélyi
Deputy Operational Director General



Major General
Dr. Zoltán Góra
Director General



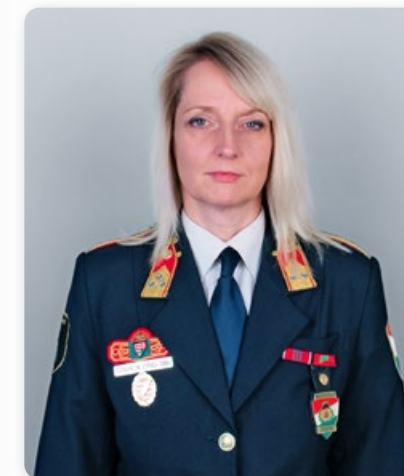
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Brigadier General
Dr. László Bérczi
Inspector General for Fire Service



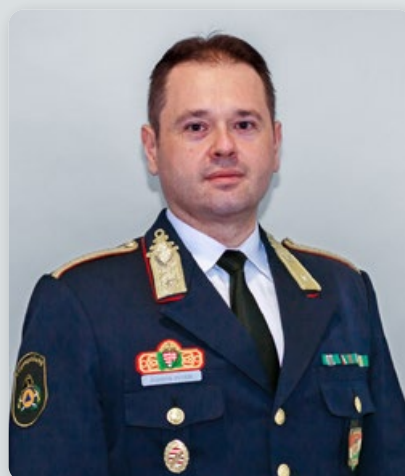
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Head of Office



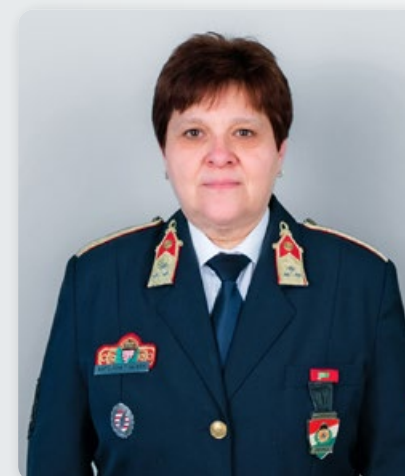
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Head of Human Service

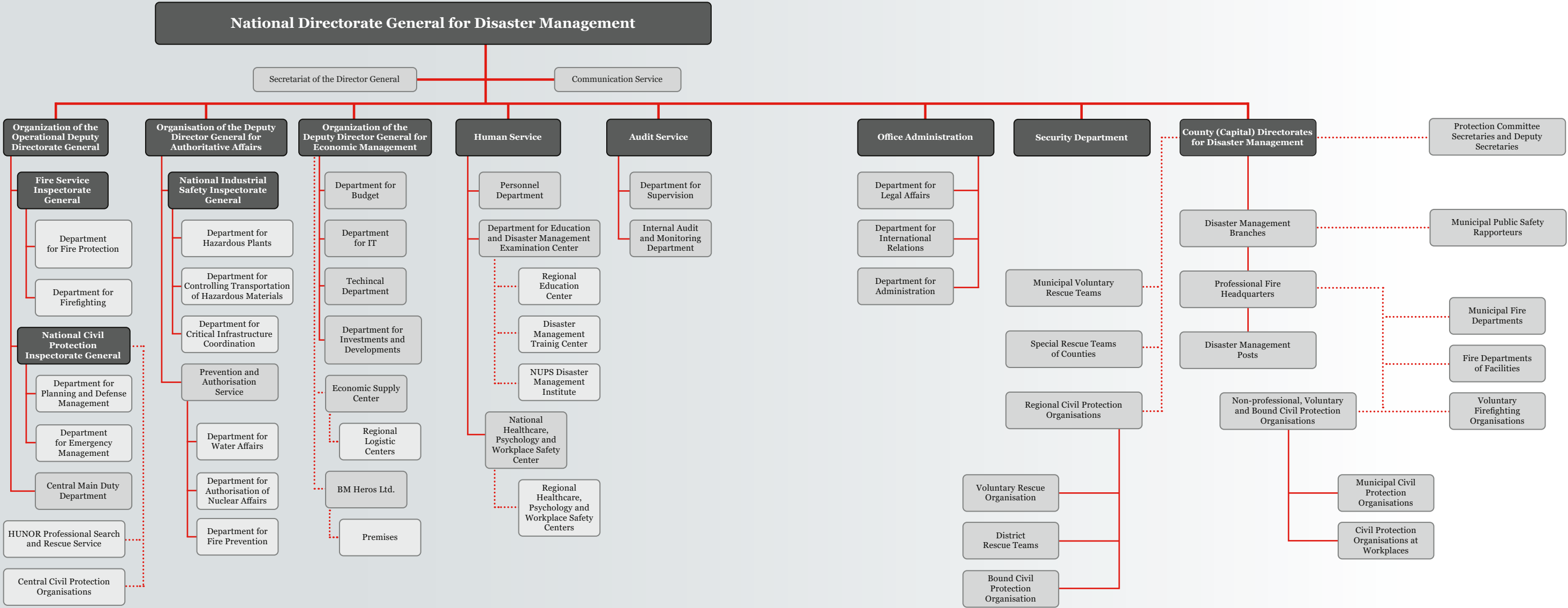


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Head of Communication Service

Organigram of the professional disaster management structure



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JANUARY

1. At the beginning of the year, the supply area of the chimney sweep organization of Disaster Management was expanded with the settlements of Szikszó and Komlóska in Borsod-Abaúj-Zemplén county and Bortá in Bács-Kiskun county. With the change, Disaster Management chimney sweeps are now provided in two thousand and six hundred and seventy-five settlements.

1. The responsibilities of Disaster Management have been further expanded. The National Directorate General for Disaster Management of the Ministry of the Interior performs official tasks related to the approval of certain packaging used in the transport of dangerous goods, investigates fires and explosions during the operation of facilities and equipment under the technical safety authority, and performs consumer protection authority tasks.

9-11. ▶ For the twentieth time Educatio International Education Exhibition was waiting for young people facing a career choice at HUNGEXPO. Among the one hundred and forty exhibitors, including about fifty Hungarian higher education institutions, the National University of Public Service also appeared on the event with its full training offer.

20. The previous year's activities were evaluated by the Hungarian National Committee of CTIF. The board judged the year 2019 as a success.

22. The amended National Fire Protection Regulations have entered into force. Twelve existing directives have been amended. From this day, the fire

protection technical classification published the previous day and entitled Risk Classification can be applied.

28. An annual evaluation meeting was held by the National Directorate General for Disaster Management of the Ministry of the Interior. The Deputy Minister of the Ministry of the Interior spoke – among other things – about the fact that the disaster management service is provided at a high level, under a unified leadership, and its activities are characterized by a rapid response.

FEBRUARY

3. ▶ The jubilee year commemorating the one hundred and fifty-year-old professional fire brigade has officially begun, which was opened by Minister of the Interior dr. Sándor Pintér. The Ministry of the Interior paid tribute to the heroes of the past with an international conference and memorial exhibition entitled “The Past, Present and Future of the Hungarian Fire Brigade”.



3. Now, for the sixteenth time, modular firefighting training has started in four law enforcement high schools in the country. Within the framework of the training, about one hundred and forty firefighter candidates started their studies.



4. A stormy wind hit the country: firefighters were alerted to a total of 654 cases. Most interventions were needed in Northern Transdanubia, Komárom-Esztergom, Győr-Moson-Sopron, Fejér and Veszprém counties, but the stormy weather also provided work in many places in Pest county and the capital. More than a hundred buildings, including twelve public institutions, were damaged. A week later, on the 11th, a storm called Ciara reached the Carpathian Basin, when disaster management fire brigades intervened 475 times in cases caused by stormy winds. The units were most often alerted in Somogy county, but in Veszprém and Zala counties the units also had a lot to do. In Fejér County, the driver of an overturned vehicle also suffered minor injuries. In sixty-three settlements in fifteen counties, a total of about seventeen thousand consumers had power outages, but the service provider eliminated the problem everywhere in an hour or two.

5. ▼ Heavy storm hit in Békés county: in one day, a total of 217 emergency calls were received by the county's disaster management duty service. Firefighters were alerted to fallen trees, torn branches that endangered road and pedestrian traffic, as well as severed power lines and damaged vehicles and residential properties. In addition to professional, municipal and voluntary firefighters, the Sárrét District Rescue Group was also involved in repairing the damage.



13. A lightning strike ignited and devoured the iconic wooden structure of the lookout tower in Révfülöp. The lookout tower stood on Fülöp-hegy near Lake Balaton. The volunteer firefighters from Kővágóörs and the professional firefighters from Badacsonytomaj, under the direction of the Veszprém County Disaster Management Operations Service, put out the flames with long hours of work. Firefighting was made more difficult by the fact that the site was very difficult to reach, and the extinguishing water had to be delivered by long-distance water transport.

13-16. The National Fire Prevention Committee also participated in the FeHoVa exhibition and fair, an international event for hunters, fishermen and nature lovers in the country.

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14. One hundred and twenty-two recruit firefighters have taken oath as deputy officers, and seventeen students have taken oath as officers at the Disaster Management Education Center.

15. ▼ A tender for the development of equipment for municipal fire brigades was announced, and in 2020 a total of HUF 225 million could be applied for support. On the 27th, a tender for the support of voluntary fire brigade associations and voluntary rescue organizations was also published, for a total of HUF 700 million, of which six hundred were received by the fire brigades and one hundred by the rescue teams. The applications were judged in April and May. All municipal fire brigades won tenders, submitted tenders for protective and fire-fighting equipment, and also received money for the renovation of vehicle syringes and technical equipment. One hundred and fifteen voluntary rescue organizations received funding from central sources: the teams received money to finance the technical equipment and operating costs related to their activities, to

provide them with protective clothing, and to support the education and examination of the members of the rescue organization. Six hundred and one dossiers were received for the tender for voluntary fire brigade associations, all of which successfully applied for operating costs, equipment, participation in professional courses, aptitude tests, EDR radios, hall construction and renovation, and protective and technical equipment. The equipment won in the tenders was taken over by the municipal fire brigades and the volunteers in mid-October.

27. The National Directorate General for Disaster Management of the Ministry of the Interior and its associates held joint professional training for the heads of defense administrations of ministries and national competent bodies, secretaries and deputy secretaries of county and capital defense committees, and county and capital civil defense supervisors at the Faculty of Water Sciences of the National University of Public Service. The central topic of the meeting was the coordination of preparedness against water damage.

28. “Past, present, future in firefighting” - Do not burn! competition awards were handed over. The drawing and literature competition, announced for the thirteenth time, received almost a thousand works from all over the country. The winner of the upper grades in Szombathely arrived in style at the Central Museum of Disaster Management by a minibus marked Fire Brigade of the County Disaster Management Directorate.

MARCH

1. The organization celebrated Civil Protection Day. At the commemoration, the Director General of

the National Directorate General for Disaster Management presented awards for the outstanding work of the organization in supporting the work of the organization to the leaders of voluntary rescue organizations, mayors, experts in scientific work, organizations and enterprises cooperating with disaster management. After all, on the occasion of International Civil Protection Day, they wreathed the memorial site of the heroic dead of air defense and civil protection.

2. With new features for Android and iOS smart devices the renewed version of the disaster management telephone application, VÉSZ 3. can be downloaded from today. The user of the application, which received a simpler menu system, will also receive an emergency notification when leaving the set area. The reader function is also a novelty.

9. The National Fire Prevention Committee met at the Directorate General. The event was attended by representatives of ministries and professional organizations. The 2019 work was scrutinized at the meeting. It turned out that tens of thousands of people met the committee's campaigns in one year, or participated at one of their event.

11. The Government has declared a state of emergency in order to prevent the consequences of a human epidemic causing a mass illness that endangers the safety of life and property, and to protect the health and life of Hungarian citizens. The special legal order was abolished on 18 June, and epidemiological preparedness was introduced for at least half a year.

16. A fire broke out at dawn in Szekszárd, in the attic of the Tolna County Penitentiary Institute building, from where the flames spread to the roof structure of the building. The fire burned about 200 square meters in the built-in attic and about 300 square meters on the roof. A total of 46 firefighters from three counties were alerted to the incident, who extinguished the fire with a ladder jet as well as four water jets. During the



intervention, 135 detainees as well as the staff of the institute had to be accommodated safely. ▲

19. The mapping of mosquito breeding sites has begun. The experts mapped the areas of mosquito development between Gönyű and Paks along the Danube. Experts conducting surveys and data processing acted in accordance with international and domestic protocols. Drones were also used to create the modern GIS database.

22. ▼ In the morning, an earthquake measuring 5.6 on the Richter scale shook Croatia. The earthquake near Zagreb was followed by several aftershocks



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of 5.2 each, which could be felt even in Hungary. Croatia has requested international assistance. Hungary offered camp beds and mattresses to the neighboring country; the shipment was launched on the 23rd in front of the headquarters building.

APRIL

1. The storm signaling system has been launched on the Hungarian lakes. Disaster Management operates storm warning stations on Lake Balaton, Lake Velence, Lake Fertő and Lake Tisza from the beginning of April to the end of October. In 2019, five new storm warning stations were established in the Central and Western Basin in the framework of the project entitled Development of Disaster Management Systems in the Lake Balaton Region managed as part of the Environmental and Energy Efficiency Operational Program: Balatonederics, Keszthely bay, Balatonszárszó, Balatonszepezd and Tihany Bahart Port. In addition to these three new pond stations have been built since the last season.

3. Mosquito control coordinated by Disaster Management began and continued until September 7th. The program began with biological larval reduction. During the season, experts intervened against the larvae both by land and by air. As a novelty in Hungary, air granulate treatments have already been performed in a significant area, so all modern reduction technologies have been used. Control of adult mosquitoes was mainly done by land, with a total of about 730,000 hectares treated with warm mist and ULV. Precipitation well above long-term averages and minor floods on rivers have led to extreme mosquito infestation, mainly in the

eastern part of the country: due to health risks, the National Public Health Center has temporarily authorized aerial chemical mosquito control in areas where . Almost 180,000 hectares had to be defended by air along the Tisza and its tributaries, as well as in some other areas with significant damage. A total of about 1,100 settlements were affected by air and ground treatments.

15-17. ▼ A fire broke out in Szombathely, at the Körmendi road waste disposal site. About ninety firefighters battled the devastating flames on three acres for three days. The professional, municipal and volunteer firefighters involved in the works extinguished the fire from several directions, using six, sometimes eight water jets, and protected the adjacent areas. In addition to the Disaster Management Operations Service of the Vas County Disaster Management Directorate, the county mobile laboratory was also alerted, performing continuous measurements both on site and in the city. The work was later aided by a power plant, allowing firefighters access to the still glowing parts.



21. The period of persistent water shortage was announced. In connection with the drought period, special rules on water resources contributions came into force. The announcement of a period of permanent water shortage is a condition for the notification of the use of water for emergency irrigation purposes. According to a government decree, farmers engaged in the use of water for irrigation, fish farming and rice production were exempted from the obligation to pay water resources contributions for the duration of the emergency, and the exemption related to the period of permanent water shortage could be applied for the non-emergency period.



22. ▲ Three disaster management directorates grew by fourteen new vehicles. Somogy, Zala and the Disaster Management Directorate of Veszprém County were able to receive pick-ups and off-road vehicles suitable for forest fire extinguishing in Budapest, at the National Directorate General for Disaster Management of the Ministry of the Interior. The grant amount of the project with the identification number KEHOP-1.6.0-15-2017-00025 is HUF 1 billion. In addition to six Volkswagen Amarok fast response vehicles and eight Suzuki Vitara SUVs capable of extinguishing forest fires, three rigid tent kits were also delivered to the counties.

24. A Hungarian aid consignment left for Greece. The Greek Minister for Migration and Asylum asked for help in mid-April to address the migration challenges. The Government of Hungary has launched an aid shipment worth more than six million forints. Two disaster management trucks arrived at their destination via Romania and Bulgaria.

25. On the occasion of the Police and Fire Brigade Day, the Deputy Prime Minister of Hungary, Minister of the Interior dr. Sándor Pintér expressed his appreciation in a ceremonial order for the entire personnel performing law enforcement and public duties.

27. András Zoltán Kiss received his brigadier general's appointment document from President of the Republic dr. János Áder at the Sándor Palace. The director of the Békés County Disaster Management Directorate was appointed by the Minister of the Interior as a fire brigadier general on May 4, the day of the Fire Brigade, in recognition of his decades-long outstanding service activities.

MAY

1. ▼ The Disaster Management Branch of Fehérgyarmat in Szabolcs-Szatmár-Bereg County Disaster



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Management Directorate has moved to its final location. Thanks to the EU investment, a renovated and expanded building will house the branch office and the fire brigade that moved to it. As part of the development, a lightweight, two-seater hall and a hose dryer were built for the original property. The project was implemented as part of the Széchenyi 2020 program.

4. St. Florian is the patron saint of firefighters. The Director General of the National Directorate General for Disaster Management of the Ministry of the Interior also greeted the staff on the occasion of the Fire Day. The Director-General mentioned constant and eternal value, security in his written greeting, and thanked the staff for their accuracy.

7. Almost HUF 71 million from European Union funds was used to receive an upgraded and refurbished vehicle syringe by the St. Florian, Kaba, Napkor and Tolna Voluntary Fire Brigade Association, and the Budapest Voluntary Rescue Organization at the site of BM Heros Ltd.

14. The Balaton project has reached a new chapter: Somogy County Disaster Management Directorate received two tons of liquid-absorbing material, five hundred pillows suitable for soaking chemical material, a thousand oil-selective, antistatic soaking sheets, two hundred so-called soaking snakes and two hundred meters of oil-selective floating dams.

JUNE

3. Disaster Management YouTube channel has been renewed. Thus, in addition to the disaster manage-

ment website, Instagram and Facebook page, the most important and interesting information related to the organization is also available on a new interface.

9. Instead of the meeting originally scheduled for Zagreb, the forty-fourth meeting of EU Directors-General for Disaster Management was held in the form of a video conference. As the first agenda for the unusual event, the participants discussed the experiences of the coronavirus epidemic so far, which was followed by the RescEU, that aims to strengthen the European emergency response capacity.

9. In order to prepare for the management of outdoor fires and to test the European Union Civil Protection Mechanism, the EU Emergency Coordination Center organized an air forest fire-fighting, on-line management exercise. According to the assumed situation, a fire broke out on 3,000 hectares in Bács-Kiskun county, for the treatment of which Hungary requested aerial forest fire-fighting units. In addition to the Central Duty Service Department of the National Directorate General for Disaster Management of the Ministry of the Interior, the staff of the Inspectorate General for Fire Service and the Department for International Relations also contributed.

14. A storm swept across the country, causing severe damage in several places. The disaster management carried out more than four hundred operations in total, a woman was swept away by a flooded stream in Tótvázsony. The rescue service staff could not save her life.

27. True to the traditions, the Faculty of Law Enforcement of the National University of Public



Service held its inauguration ceremony in Buda Castle, Kapisztrán Square. One hundred and two students took the oath of office in front of the copy of the Holy Crown and the historical flags, in the presence of Prime Minister Viktor Orbán, Minister of the Interior dr. Sándor Pintér, Minister of Defense Tibor Benkő and the General Staff. Eleven from the students became disaster management officers. ▲

JULY

1. The chimney sweep organization of the disaster management has resumed the condominium line work. The organization's chimney sweeps have started to inform the public about the new date for chimney inspection and cleaning in seventeen counties of the country - with the exception of Budapest, Vas and Fejér counties - in a comprehensive supply area in all condominiums where the annual inspection was not carried out by 17 March.

15. Sixty-three special vehicles were handed over at the Directorate General. Within the framework of two European Union projects, and from its own resources and those provided by Generali Insurance Ltd.

twenty-one forest fire fast responder, three multi-purpose and two refueling vehicles, as well as twenty-nine logistics, flood and civil protection and operation command vehicles, and eight double cab SUVs were taken over by its new owner.

25. There were heavy rainstorms over Hungary, which caused extraordinary water flows, flash floods and water barriers in some areas of Somogy and Zala counties. In the context of stormy weather, disaster management units have been alerted to a total of two hundred and twenty-five damage incidents across the country. In addition, in order to ensure the safety of the population and water facilities, extraordinary official action was taken at several water facilities in South Zala and Somogy counties. ▼



31. The school years closing ceremony of the Disaster Management Education Center was held before the NDGDM. The graduates took their oath before the Director General of Disaster Management, his deputies and the county disaster management directors, as well as the heads and representatives of educational institutions.

31. The changes made in the regulation on critical infrastructure protection have entered into force: the tasks of the NDGDM have been expanded, so it will continue to act as a general proposing authority

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during the preparation of designation procedures, and then it performs official tasks as a competent authority during the designation process as well as it performs complex control tasks as a registry authority.

AUGUST

1. One hundred and fifty firefighters took part in the Generali Night Run - the nine-kilometer distance around the illuminated Buda Castle was completed in thirty-five protective suits, thus paying tribute to the one hundred and fifty-year-old professional Hungarian fire brigade. The incomes from the charity run were received by the Children's Clinic in Tűzoltó Street.

7. Representatives of the press were the first to see the new barracks in Kiskőrös. A total of thirty-nine firefighters are on standby in the barracks, and three service stations and a vehicle washroom have been built in addition to the service rooms. Every necessary equipment is available in the workshop for the handling, storage and maintenance of special equipment for firefighters.

7. About fifty professional firefighters from six cities extinguished the fire at a wood industry site in Hajdúböszörmény. The units worked with several jets of water, their work was also aided by power machines. The big smoke flowed into the nearby street, from where several families moved temporarily to relatives.

17. A storm devastated Transdanubia. Firefighters had to reach about four hundred locations. Most of the interventions were in Fejér, Komárom-Esztergom, Győr-Moson-Sopron and Vas counties, but firefighters were also alerted several times in the capital.



17-19. ▲ HUNOR members built a new footbridge in Dunaújváros. In the special exercise of the rescue organization, the technical sub-unit had two and a half days. Ten team members and volunteers from Pentele assembled a seven-and-a-half meter footbridge over the Lebuki Creek.

27. An applicant from Szabolcs-Szatmár-Bereg county won the 2020 round of the Dr. Imre Balogh Memorial Competition. In his dissertation, Lt. Gen. Gábor Dombrády, Chief Officer of the County Disaster Operations Duty Service, addressed issues related to the safety of the intervention staff working in traffic accidents. Two special prize winners also received recognition: the study of Fire Fighter Lieutenant Levente Gál, the service commander of Kisvárd, and the writing of Fire Fighter Colonel Róbert Karsa, Deputy Director of the Baranya County Disaster Management Directorate, on outdoor fire modeling were rewarded.

29. An extreme storm struck around Göd and Dunakeszi. The meteorological phenomenon called the airstorm caused massive destruction, leaving

fallen trees, torn wires and damaged buildings. In a short time, almost five hundred notifications were received for the operation management of Pest County from the settlements of Göd, Dunakeszi, Szigetmonostor, Sződ, Sződliget, Vác, Szentendre. Volunteer firefighters from all over the county - almost one hundred and twenty -, several professional units and experts from the Pest County Research and Rescue Service also took part in eliminating the damage.

29. The new building of the volunteers from Gelse was handed over. Professional disaster management, local and surrounding municipalities, as well as entrepreneurs also contributed to the construction costs of the headquarters of the Gelse Volunteer Firefighters Association, which has a history of more than a hundred years and is entitled to self-intervention. ▼



SEPTEMBER

4. The members of HUNOR and HUSZÁR practiced the application of a new electronic data collection program in two areas: Tolna County was the site of research, damage assessment and data collection, while in Budapest the Disaster Management Headquarters has been assigned to data supervision, approval, aggregation, evaluation connected to damage areas.



5. ▲ A hot air balloon caught fire and crashed on the border of Vál. For the case, Érd, Pusztaszabolcs and the professional firefighters of Székesfehérvár and the municipal firefighters of Vál were alerted. The hot air balloon ignited as it landed, then suddenly rose high again and drifted in the air with a flaming dome. Several propane butane gas cylinders exploded in the fire, and then the remnants of the balloon fell into a cornfield where firefighters found and extinguished the still glowing parts. Four were traveling in the hot air balloon, of whom the captain and two passengers were still able to jump out near the ground when the fire broke out, they were found by volunteer and day-off professional firefighters in Martonvásár, and then transported to the hospital by ambulances. Trapped in the basket, a third passenger was killed. In order to reveal the cause and conditions of the fire, a fire test procedure was started.

9. The newly built fire brigade in Gyöngyös was presented to the press. The European Union project entitled "Establishment of fire brigades - Gyöngyös Fire Brigade" is implemented from a non-refundable EU subsidy of HUF 1 301 million 736 thousand. The greenfield investment will include the construction of a modern and economically sustainable property that will house the Disaster Management Office and the Professional Fire Brigade.

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9. ▲ Firefighters were alerted to an exploded family house in Rákóczi Street, Gönyű in the afternoon. The professional firefighters of Győr and Komárom, as well as the Győr-Moson-Sopron County Disaster Management Operations Service found a completely collapsed house and a leaking gas pipeline on site. Firefighters immediately began inspecting the ruins and squeezing the gas pipe. A man was rescued from the debris, and the injured were transported to the hospital by ambulances. In addition to inspecting the ruins, the adjoining building was also inspected and a static was asked for the site, who found that the adjoining building had also become uninhabitable. Firefighters demolished the life-threatening roof and wall sections.

17. An aid consignment worth more than twenty-two million forints left Hungary for Greece after the Moria refugee camp in Lesbos burned down on the 9th. Athens asked for help to take care of the people living there. The sanitary equipment, blankets and other objects of use offered by the National Directorate General of Immigration and the National Command for Peni-

tentiary Enforcement were delivered to the destination by the National Directorate General for Disaster Management of the Ministry of the Interior.

21-23. The selected membership of HUNOR professional rescue organization held a three-day exercise in Hajdúszoboszló. The specialists practiced shoring in different directions at the disaster management training base, and in parallel, the rescue dog members of the team took part in research training.

24. Two people got into trouble in a mine explosion, based on which a joint exercise was held in Heves County, in which the Counter-Terrorism Center, a subunit of the HUNOR Rescue Organization and the Hungarian Cave Rescue Service participated. According to the scenario, both in Mátraszentimre and Gyöngyös-oroszi, a miner trapped in the depths of the mine, required specially trained rescue units to lift and supply them. The joint exercise of several organizations was also reviewed by Minister of the Interior dr. Sándor Pintér. ▼



30. Disaster Management held a nationwide exercise on essential systems and facilities in Sármellék, Zala County. The participating authorities examined the vulnerabilities of the components in the aviation sub-sector of the transport sector as well as the cooperation with other bodies.

OCTOBER

1. The Volunteer Fire Brigade of Ballószög acquired the right to intervene independently as the fifty-eight in the country and the fourth in Bács-Kiskun County. On September 18, the association successfully completed the system setup exercise. The Kis-Sziget Voluntary Fire Brigade Association is also allowed to intervene independently as the sixth in Pest County from this day. The document on this was handed over on September 25 by the Inspector General for Fire Services in Szigetújfalu.

1. ► A train and a bus collided in a barrier-free railway crossing in Nyírbátor, two people were killed in the accident and eight people were injured. This was the basic situation of the disaster response cooperation exercise of the National Directorate General for Disaster Management of the Ministry of the Interior, the Szabolcs-Szatmár-Bereg County Disaster Management Directorate and MÁV Ltd. In addition to a total of twenty-five professional firefighters from the county, the experts of the ambulance service and the staff of the Hungarian Red Cross also took part in the exercise.

4. The victims of the red mud disaster ten years earlier were remembered at Kolontár and Devecser in Veszprém County. The sludge spill, which claimed the lives of ten people, was Hungary's biggest industrial disaster to date, causing not only natural damage but also significant material loss. A memorial park and a house left as a memento remind you of the misfortune in the nearest Kolontár.



9. There was a breakdown in Dunaföldvár due to human negligence. Nitric acid was poured during refilling in one of the outdoor seven-cubic-meter hypotanks of a bioethanol plant. Chlorine gas evolved in reaction with the two materials, injuring several workers in the incident. Fire extinguishers operated a protective jet around the tank, preventing the spread of hazardous gas. Industrial safety specialists for disaster management were present on site and kept the facility under constant surveillance. The mobile laboratory of the disaster management was constantly taking measurements. No hazardous gas concentrations in the air could be measured outside the area of the plant designated by the protection zone. The resulting gas did not affect adjacent plants and residential areas. In addition to firefighting insurance, the hazardous substance was decomposed from the tank and the release of chlorine gas into the environment was stopped.

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14. With extreme caution, the blood donation traditionally organized on the occasion of World Disaster Reduction Day was held despite the epidemic. In 2020, a total of one thousand and twenty-seven units of blood were donated by committed members of the disaster management, associates and collaborators.

14-18. As a result of a Mediterranean cyclone, large amounts of precipitation fell in a short time in the Northern river basins of the country, as a result of which the water levels of several rivers increased significantly in Borsod-Abaúj-Zemplén county. The water level of the Sajó in the upper and middle section approached the highest value measured so far in a few days, and also in the lower section it was well above the minimum assigned to tertiary flood preparedness. Values between the third degree and the highest water level developed over the entire section of the Hernád. With the exception of the Tisza and the Bodrog, all rivers and small watercourses in the county required road closures at thirteen locations at the same time. Preventive and flood protection was carried out by the municipalities concerned under their own authority, with the involvement of district and municipal voluntary rescue organizations, the coordination, supervision and logistical support of disaster management, and the management of water regulatory authorities. Due to the flooding rivers, four firefighting interventions were required.

19-21. ▶ Disaster management held a national roadside inspection of the transport of dangerous goods with the participation of the regional and local bodies of the partner bodies. During the DISASTER 2020 ADR action, a total of 2 928 road vehicles were inspected, of which 951 carried cargo subject to the rules on the transport of danger-

ous goods by road. The inspectors found a total of 93 irregularities in 52 vehicles. Due to the nature of the irregularity, vehicles had to be detained in 26 cases, 14 immediate measures were required due to the detected errors, and in 23 cases the official decision was issued on the spot. During the action, vehicles not marked according to the ADR regulations were also randomly inspected, and irregularities were found in 11 cases.

21. Dr. János Áder, President of the Republic of Hungary, on the occasion of our national holiday, on October 23, on the proposal of the Minister of the Interior, appointed Fire Fighter Colonel dr. Balázs Lajos Bognár, director of Vas County Disaster Management Directorate to fire fighter brigadier general. The documents of the appointment were received by the general at the Sándor Palace on the twenty-first of October.

22. On the occasion of the sixty-fourth anniversary of the 1956 Revolution and the War of Independence and the thirty-first anniversary of the procla-



mation of the republic, the President of the Republic of Hungary, the Minister of the Interior and the Director General of National Directorate General for Disaster Management awarded the Hungarian Gold Cross of Merit, the Hungarian Silver Cross of Merit, the Medal of Merit for Courage, the title of Heroic Position, the title of Chief Counselor and Counselor to those worthy of it. Several were rewarded in extraordinary promotion and praise.

27. Smoke detectors and carbon monoxide detectors were delivered to all disaster management directorates by the National Fire Prevention Committee. When allocating the eight hundred and fifty-five smoke detectors and the four hundred carbon monoxide detectors, the social situation of the needy families, the vulnerability, and the number of family members were taken into account by the professionals. ▼



30. Disaster Management paid tribute to the memory of the heroic dead: On the occasion of All Saints and All Soul's Day a commemoration was held at the memorial site in front of the Directorate General building and at the graves of comrades in Fimue Road Cemetery.

30. The storm forecasting and storm warning service is over. Strong storm reached six times Lake Balaton this season. In May, June, August, and October, on one day and in July on two days the instruments recorded wind speeds of ninety kilometers or more per hour. The strongest storm of the season hit the lake on June 29, when a stormy cold front crossed the lake and the wind speed was measured 97.9 kilometers per hour at Balatonmária.

NOVEMBER

4. The government has again declared a state of emergency due to the COVID-19 epidemic. The special legal order was extended on 17th until 8 February 2021.

9. ▼ The preparation exercise for the protection necessary during the extraordinary winter weather was organized with the participation of five organizations at the Hungaroring Management Technology Center in Mogyoród. During the exercise, twenty vehicles and more than sixty people from different organizations worked to make the collaboration run smoothly in a sharp situation. The National Police Headquarters, the Hungarian Armed Forces, the Magyar Közút Nonprofit



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Ltd., The National Directorate General for Disaster Management, the Pest County Disaster Management Directorate, the Gödöllő Professional Fire Brigade and the Budapest Rescue Organization, the volunteers of Pilisvörösvár and Délegyháza accomplished the task successfully.

11. A virtual conference of the fire investigator working group of the International Firefighters' Association, CTIF was held in Budapest. The participants of the meeting got acquainted with instructive cases and the plans of the working group.

12. ▼ The HUNOR Rescue Organization held an air loading exercise in the capital. This time, the INSARAG classified heavy search and rescue team exercised how to respond quickly with reduced capacity, i.e., the personal equipment and protective equipment needed for forty-five people and four rescue dogs according to average USAR capability, seven days of supplies, medical supplies, nearly three tons of USAR equipment, accommodation and info communication equipment, ie a gross passenger load of 9.7 tons to start as a fast response unit and to travel up to five thousand and five hundred kilometers by air.



30. In view of the epidemiological emergency, the winter core management exercise took place in a reduced form with the involvement of central, regional and local operational work bodies. The exercise assumes that weather phenomena have created a critical situation on the roads, icing has developed in many places, making road traffic and access to damage sites difficult. Stormy winds, tinny rains and sticky snow also caused difficulties, there was no electricity in many places, and five settlements became inaccessible. Within the framework of the exercise, the National Emergency Management Center of the Interministerial Committee for Disaster Management Coordination was partially activated. External experts were involved in the work through video conferencing. The exercise was attended by the county and local defense committees of Borsod-Abaúj-Zemplén and Zala counties, as well as the working bodies of the disaster management directorates and the local disaster management operational units.

DECEMBER

1. The award ceremony of the creative competition of the National Fire Prevention Committee was held in the virtual space: its winners joined the event via the World Wide Web, where the most outstanding works were presented for the seventh time. During the seven years since the first competition, a total of almost thirty thousand works have been received at the request of the committee, from which a publication and a traveling exhibition can be created in the future. The absolute national winners of the categories were Liza Fruzsina Papp and Rozi Réka Váczi from Somogy County, with their Lego-themed fire prevention animation "Soldiers of St. Florian". The most active educational institutions came

from Tolna County, the creators of the Wosinsky Mór Primary School and the Wunderland Kindergarten German National Kindergarten in Szekszárd won a one-day colorful firefighting demonstration and a circus ticket.

7. Continuing the tradition, the Seveso 3 program was held for the sixth time. A conference to support the work of hazardous plant operators, hazardous industry safety administrators, experts and professional organizations in order to facilitate the implementation of this Directive. Two hundred and twenty-nine professionals applied for the online professional day, representing one hundred and fifty-two companies.

10. On behalf of each professional fire brigade, one hundred and fifty, smoke or carbon monoxide detectors, as well as sweets, tea, cocoa, candies, pencils with animal figures, flashlights, raincoats, refrigerators with useful warning phrases, and other small gifts, shoe box filled by the Fire Prevention Committee were handed over by the Inspector General for Fire Services to the representatives of the Hungarian Red Cross at the Directorate General. The gift was given to the prospective owners by Red Cross staff. In addition to all this, the Inspector General for Fire Services also handed over the two thousand and five hundred chocolates to the representatives of the Red Cross, which the disaster management sends to the Santa Claus Factory every year. Each piece symbolizes a firefighter on duty on Christmas Eve.

11. The new barracks building in Kiskőrös has been completed. The Kiskőrös professional fire brigade moved here. The European Union project KEHOP-1.6.0-15-2016-00015, entitled "Establishment of fire brigades - Kiskőrös fire brigade", provided almost HUF 919 million 848 thousand in non-refundable support for the realization of the greenfield investment.

14. Forty-five quads and the same number of trailers were acquired by the National Directorate General for Disaster Management of the Ministry of the Interior within the framework of the project KEHOP

1.6.0-15-2016-00017, entitled "Development and preparation of voluntary rescue organizations". Forty-two volunteer rescue organizations received the equipment for operation. In addition, volunteers received general practitioner and firefighter deployment protective clothing.

14. ▼ The commemorative year on the occasion of the one hundred and fiftieth anniversary of the establishment of the professional fire brigade ended with the wreathing of Count Ödön Széchenyi's memorial plaque and the donation of a flag ribbon.



29. There was an earthquake in Croatia. According to the CSFK GGI Kövesligethy Radó Seismological Observatory, an earthquake of magnitude 6.3 occurred in Croatia at a depth of about 5 km at 12:19. The epicenter of the quake was about 42 kilometers Southeast of Zagreb and about a hundred kilometers South of the Hungarian border. The earthquake was also felt in Hungary, and it caused minor material damage in three settlements in Baranya County. No injury was reported.

30. Hungarian disaster management has launched six pallets of aid to Croatia to deal with the situation caused by the earthquake. Croatia has turned to the European Union for help. Hungary offered two hundred and fifty folding camp beds and two hundred and fifty sleeping bags, which were accepted by Croatia.

Operational Deputy Directorate General



Last year, the professional, municipal, facility and voluntary fire brigades operating in Hungary received 77 thousand 328 alerts, which is a slight decrease compared to the previous year's data. Of these, more than thirty-five and a half thousand were fires, and the number of technical rescues approached forty-two thousand. The number of fires in the open area decreased, mainly due to the rainy, milder spring and summer months. The number of technical rescues was roughly the same as in 2019. Outstanding, more than 8,000 interventions per month were in February and August, mainly due to weather conditions.

Over the past year, voluntary fire brigades have taken on an even bigger role in rescue fire protection than before. Their work was helped by the fact that in 2020 they were able to win financial and asset support in the tender

announced for them. Municipal fire brigades were also able to apply: this was the third time that they had the opportunity to renew their fleet of tools and equipment needed to perform their daily tasks.

We have updated the knowledge base for the daily training of professional firefighters, published a number of instructional videos, photographs, professional documents and lecture materials. The finalization of the system suitable for e-learning training has started and is underway, which, based on the opinion of the staff, we have developed with our own development, so in 2021 a modern electronic interface will be available for conducting further trainings.

The field prepared a new fire protection technical directive and expanded the other two. We inspected thirty fire protection experts and organized an online training for them, for which one hundred and fifty-nine people applied.

In 2020, the National Fire Prevention Committee also paid special attention to the prevention and reduction of domestic fires and accidents involving carbon monoxide poisoning. With the participation of the regional fire prevention committees and the Hungarian Red Cross, we distributed nine hundred and forty-five smoke detectors and four hundred and sixty carbon monoxide detectors, as well as one hundred and sixty thousand spreaders. We made an eye-catching short film that can be viewed with virtual reality glasses. In view of the epidemic situation, we have strengthened our online appearances. In addition to the briefings, we have published a new fire test every month from July, which will allow citizens to measure their fire preparedness. The tests were completed by more than twelve thousand in the second half of last year.

In order to increase the effectiveness of prevention and incident management, the Civil Protection Department revised the risk classification of settlements, as a result of which the classification of twelve settlements into disaster protection classes have changed, the vulnerability of six of them has increased and the vulnerability of six of them has decreased.

With the involvement of an inter-ministerial working group, we reviewed the country's national disaster risk assessment and prepared a relevant summary of the report, which was forwarded to the European Commission.

In order to develop the HUNOR Rescue Organization, we held a number of exercises: there was logistics and air cargo training on the Airbus A319-112 aircraft of the Hungarian Defense Forces, the rope sub-unit prepared several times and participated in a large-scale mining rescue exercise and during one of the value-creating exercises of the shoring sub-unit, the life of the people of Dunaújváros was made easier by the construction of a footbridge. In addition, the stock of HUNOR and HUSZÁR practiced the application of the new damage area data collection program, which was also used by the international search and rescue teams during the rescue work on the August 4 explosion in Beirut.

One hundred and fifty-one voluntary rescue organizations with one thousand seven hundred and twenty-one members were certified in the national qualification system last year, and two complex, nationwide exercises were held with the involvement of voluntary rescue organizations.

During the defense against the coronavirus epidemic, with the involvement of the National Public Health

Center and the National Ambulance Service, we prepared a Health Relocation Plan and organized and coordinated the work of the operational duty service staff responsible for the control of the coronavirus.

The most important task of the central duty service department last year was to keep the county and capital headquarters and operations management offices and the central head office operational at the time of the epidemic. To this end, the on-call staff will serve in the county and capital directorates from the beginning of April to the end of June and from mid-September, thus reducing the number of contacts. Emphasis was placed on non-personal activities in the field, with special emphasis on the operation of the Unified Emergency Call System.

Major operations were successfully handled by the disaster management operations services. As a result of the technical development, the regional bodies increased by eight new vehicles, thus completing the complete replacement of the Disaster Management Operational Service vehicle fleet.

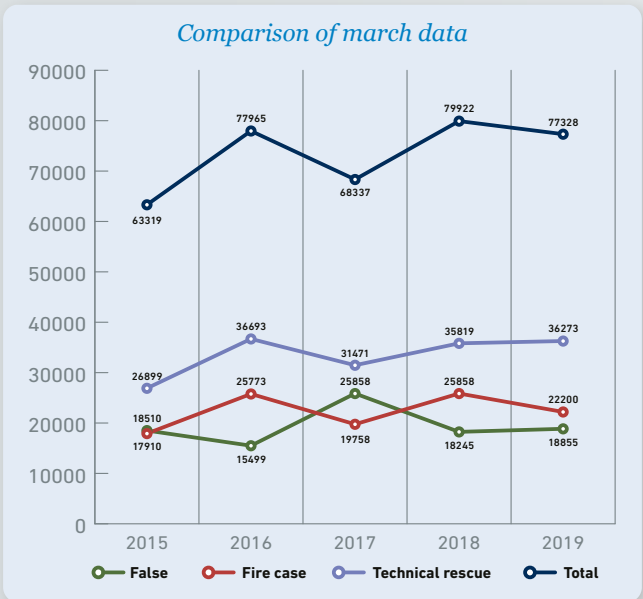
Fire Fighter Brigadier General
Krisztián Erdélyi
Operational Deputy Director General

Operational Deputy Directorate General



▲ In 2020, compared to the previous year, the number of technical rescues remained virtually unchanged, but there were fewer fires. The number of open-air fires, mainly in the spring, fell sharply. There was also a small decrease in fires in the built environment. It is still typical that more than ninety-nine percent of the cases could be handled with a force or device corresponding to level one priority degree. Fire investigations were launched in three percent of the nearly twenty-two thousand fires.

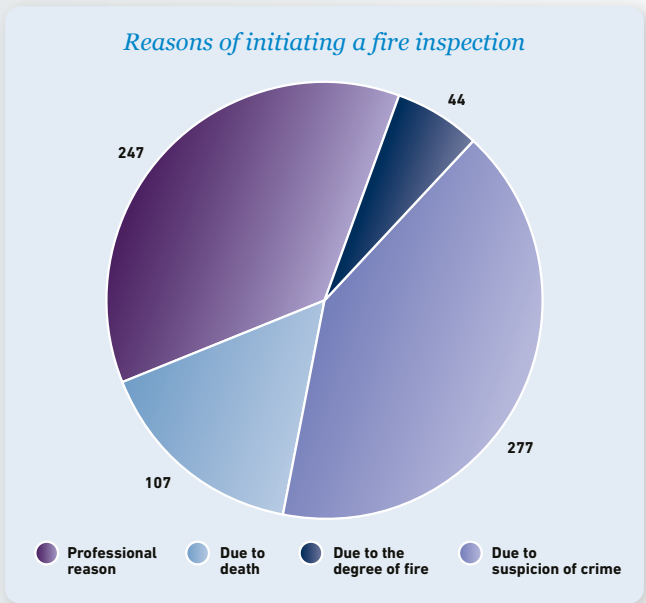
► In 2020, several planned nationwide exercises and professional competitions were missed due to the pandemic. Among the retained exercises, the joint disaster management and cooperation exercises of NDGDM and MÁV Ltd. carried out in Nyírbátor stands out. In addition, in Veszprém County, on the 8th main road, we practiced the elimination of mass accidents, and in Debrecen, the field held a co-operation training aimed at locating and rescuing the passengers of distressed



aircraft. In addition, last year the staff of the fire brigades took part in almost five thousand and four hundred different types of exercises as part of their daily training. In an average year, there are usually about ten thousand exercises, but in the last year, due to the restrictions caused by the pandemic, only slightly more than half could be completed.

► During the year, the disaster management post operating in Fehérgyarmat, Szabolcs-Szatmár-Bereg County, became a professional fire brigade, and since May 1, a renovated, expanded building has housed the city disaster management branch and the fire brigade as part of an EU investment. The project provided almost HUF 678 million in non-refundable support for the implementation of the investment to increase the efficiency of disaster management. The firefighters of Fehérgyarmat ensure the fire safety of 59 thousand inhabitants of 73 settlements.

► Last year, we also provided the professional staff with the protective and professional equipment needed to per-



form firefighting and technical rescue tasks. In addition, on 15 July, professional fire brigades were able to take over 21 forest fire fast interveners, 3 multi-purpose (S3), 2 refueling and 8 double-cabin off-road DMOS vehicles from EU funds, thus strengthening the safety of the area. The project enriched the vehicle fleet of the voluntary

Operational Deputy Directorate General

fire brigades with a total of 29 research, logistics and driving vehicles. Also thanks to an EU tender, it was possible to hand over 5 refurbished vehicle syringes, which were received by a voluntary firefighting association in Baranya, Hajdú-Bihar, Tolna, Szabolcs-Szatmár-Bereg counties and one in the capital.

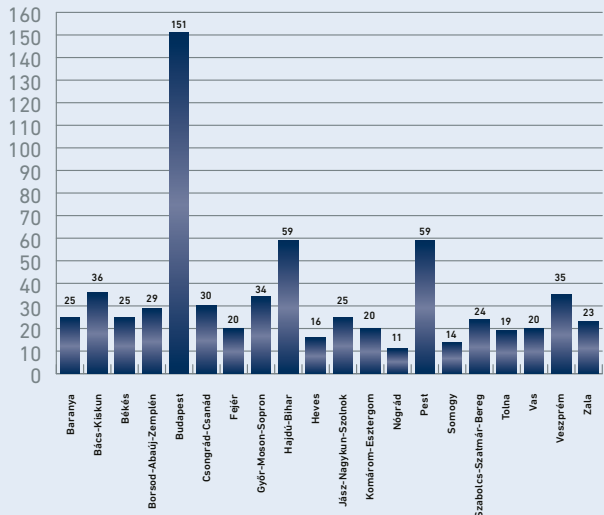
▼ Last year, more voluntary fire brigade associations signed a cooperation agreement with professional fire brigades, and the number of collaborations increased to a total of 654 with the newly entering twenty-four. The number of associations intervening independently, i.e. without the presence of professional firefighters, has also increased. In 2020, the volunteers from Ballószög, Kis-Sziget and Látrány took on the additional tasks involved, so fifty-eight associations nationwide have the right to intervene independently.



▲ Due to the pandemic, the National Fire Prevention Committee (NFPC) transferred a significant part of its activities to the online space with the help of information leaflets, films, including virtual reality short films, and tests. Regarding the prevention of outdoor fires, NFPC drew attention to the importance of prevention at two major events in 2020, AGROmashEXPO and the FeHoVa international exhibition. However, there was no creative competition, the results of which were announced online. In the last seven years, a total of more than thirty thousand works have been submitted to the competition by preschoolers and schoolchildren.

► In honor of the 150-year-old professional fire brigade, the National Fire Prevention Committee contributed to the departure of one hundred and fifty firefighters and the organization of the event, so the members of the organization expressed their recognition to the great predecessors and the anniversary on the night of August 1st.

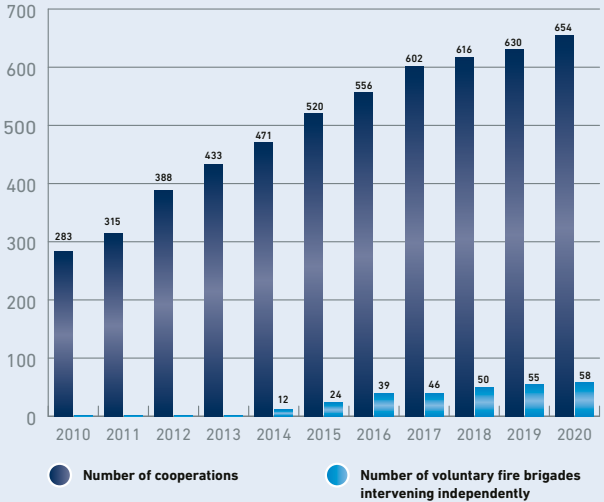
On-site Fire Inspection



► In October, a complex field exercise entitled Zemp-lén 2020 was held in Kovácsvágás and Füzér with the involvement of one hundred and thirty volunteers. In November, a winter preparatory field exercise took place in Mogyoród. Last year, the specialists held more than



Changes in the number of voluntary fire brigades



Operational Deputy Directorate General



one thousand three hundred exercises in the field of civil protection, including disaster response notification exercises, municipal civil protection organization alerting, training and mobilization exercises, core management exercises, voluntary rescue organizations alerting and external qualification exercises, national qualification exercises and external protection planning exercises. ◀



▲ An order of the Minister of the Interior on the procedure for SMS-based alerting and emergency information to the public was published in the summer, which regulates the procedure for preparing, approving and sending messages to service providers. The related disaster management tasks are regulated by an internal norm. The procedure for issuing the message was mastered as part of the core management exercise.

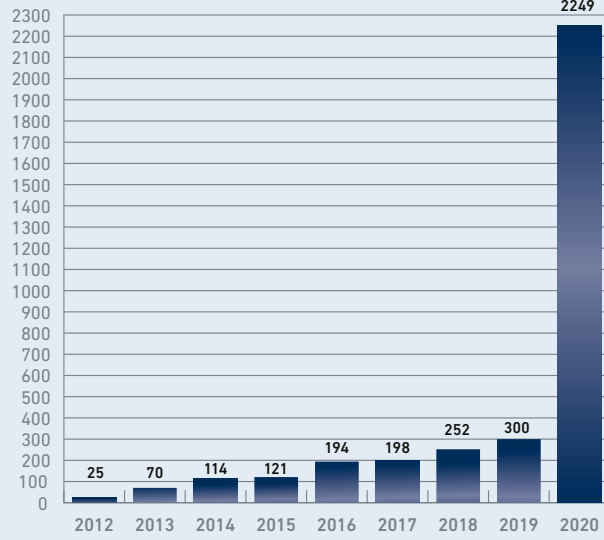
Changes in the number of voluntary rescue organization



▲ As an integral part of the prevention process, the disaster management staff carried out 11 139 civil protection inspections in 2020 in order to protect the population and property, as well as to prevent damage events and reduce risks.

► In 2020, the main duty service area of disaster management continued to participate in the development and establishment of the IT background and regulators of the Unified Emergency Call System. In addition to its national tasks, the Central Duty Service also performed the tasks arising from international relations. The activities of the disaster management operations services have been integrated and consolidated in the rescue fire protection system, which now effectively manages the elimination of complex accidents and the implementation of public protection measures. As a result of the technical developments, the regional bodies increased by eight new vehicles, thus completing the complete replacement of the DMOS vehicle fleet

Trends in the use of voluntary rescue organizations



Deputy Directorate General for Authority Affairs



The specialty of the authorities continued to perform its tasks in 2020, but at the same time the epidemic situation required even greater discipline than before, and rapid adaptation to the changed circumstances.

In order to ensure the continuity of the authority operation and the efficient and timely conduct of proceedings, we have taken special care during the emergency period. Colleagues were consulted with clients not in person, but by phone and online. With the participation of videoconferencing at international events, it was still possible to collect good practices abroad and share good practices in Hungary, as well as to use IT solutions effectively when organizing own-initiative workshops and conferences.

In the fight against COVID-19, the industrial safety department provided significant support for the safe, continuous operation of the operators concerned. Outstanding among these are the tasks related to special powers related to critical systems designated in the interests of national defense, the experience of which we used in the preparation of the comprehensive legislative amendment that entered into force in July 2020.

During the period of intensive defense, guidelines, methodological recommendations and sample plans were prepared in accordance with the specifics of the field and the needs indicated by the operators, which were available to the operators out of turn.

The specialty also contributed to the defense with tasks related to the fire protection and industrial safety professional activities of the field, participated in the preparation of targeted databases, national level planning tasks, as well as the official and industrial safety staff in the Duty Service Center and the liaison officer system of vital Hungarian companies.

At the beginning of the year, the field of official and industrial safety was expanded with several competencies. Customers welcomed the implementation of the new procedures and did not lodge any appeals in either the pyrotechnic article labeling or the authorization procedures for the transport of dangerous goods packaging.

Given that the authority also requires unique, specialized expertise, the Directorate-General has been operating an independent department since June 2020 in connection with the expansion of the capacity of the Paks Nuclear Power Plant. During the procedures, the experts pay increased attention to the fulfillment of

the requirements of fire protection, nuclear safety, as well as water management and water protection, and to the implementation of the planned design, which ensures safe operation that also guarantees public protection aspects.

In order to ensure the uniform application of law nationwide, the capacity building of the official staff continued: in cooperation with professional organizations and chambers, we prepared for the application of the amended National Fire Protection Regulations and related fire protection technical guidelines in electronic form, and up-to-date fire protection information for condominium operators. We held a video conference on “Seveso 3 professional days” and a conference on the latest issues in the protection of critical systems.

Last year, we continued the tender-based developments. The biggest change was the launch of new IT systems in the framework of the VIZEK project, which will ensure the performance of electronic official registration tasks related to water regulatory permits in the future, as well as allow the direct retrieval of data required for work processes. Customers obliged or opting for the electronic procedure can submit applications and the design documentation, declarations and consents that form a mandatory annex to them, even from their home, in accordance with the challenges of the 21st century.

In order to improve responsiveness and effectively manage industrial safety incidents, the construction of county industrial safety information centers continued, critical infrastructure protection deployments were put in place in county directorates, and preparations were made for the acquisition of twenty-two more vehicles. The modernization of equipment in mobile disaster

management mobile laboratories has started, the development of more ergonomic devices has begun, and it has become possible to provide new mobile IT tools to support the control of the transport of dangerous goods. A special patrol vessel will be built to control the transport of inland dangerous goods and will be in service in 2021.

In 2020, in addition to the special operation of the legal system, the specialization of the authorities also carried out the procedures related to the basic purpose, upon request and ex officio, the procedures of the priority investments took place at the planned pace. The staff carried out on-site inspections and necessary inspections related to damage incidents, provided the necessary information for interventions in the presence of hazardous substances and for public protection measures.

Fire Fighter Brigadier General
Dr. Judit Mógor
Deputy Director General for
Authority Affairs

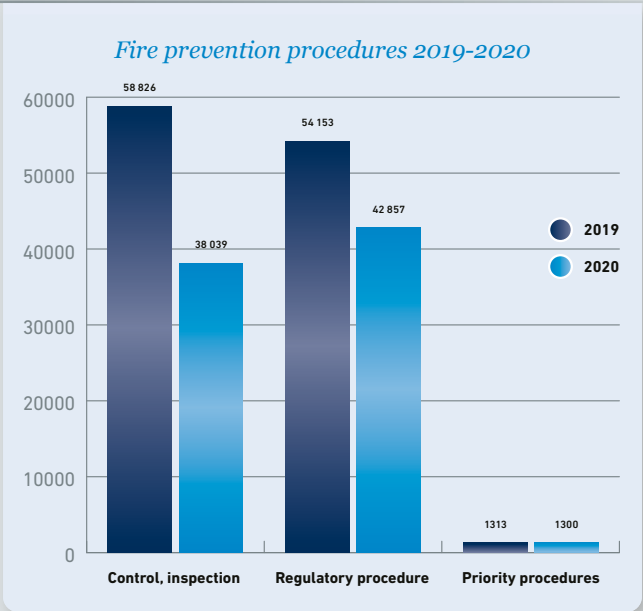
Deputy Directorate General for Authority Affairs

► In 2020, the fire prevention department conducted a total of 38 039 fire protection official inspections and inspections nationwide, and conducted 42 857 official and professional procedures.

▼ The number of smoke propagation and evacuation simulation procedures supporting engineering methods continues to show an increasing trend, with 173 approval procedures launched in 2020. Within the framework of the investments highlighted from the point of view of the national economy, the field carried out a total of 1 thousand 300 fire protection authority and authority permits. The Directorate General typically acted in connection with transport development, the construction of government buildings and sports facilities, the Healthy Budapest Program and the Liget Project.



► From 2020, disaster management will perform consumer protection tasks related to pyrotechnic articles. Following the change in legislation, the internal procedures and sample documents were completed, the relevant administrators were prepared and practical implementation began. Last year, the field examined whether the requirements for packaging and marking



were met for 548 pyrotechnic products. In the course of its market surveillance activities, the Directorate-General continued to monitor the compliance of carbon monoxide sensors in 2020. After the completion of the tests, the products will be added to the positive or negative list of sensors, which can be accessed directly from the homepage of the NDGDM website, thus helping the public to choose a reliable type.



▼ Continuing the activity started in 2017 in order to increase the safety of institutions dealing with children and students, in 2020 the goal was to improve the fire protection situation of higher education institutions. The first-level fire authority held consultations, professional advice and 298 official inspections in the area of higher education institutions, as a result of which 1,075 irregularities were eliminated.

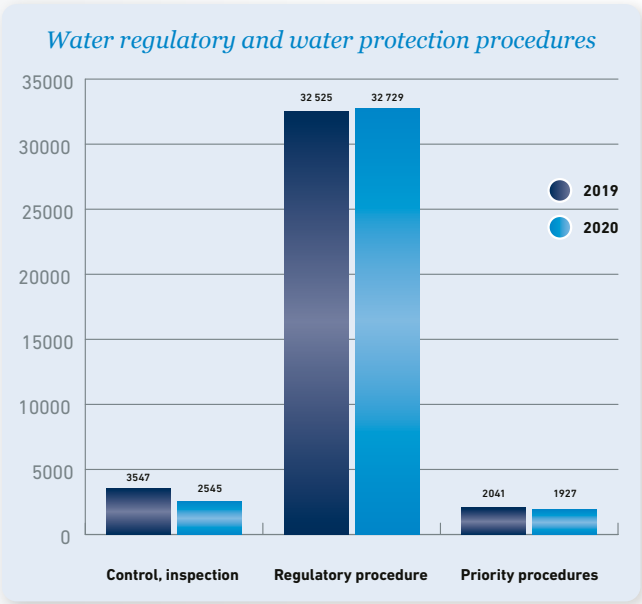


► In 2020, the Water and Water Protection Authority specialized 32 729 official and regulatory procedures nationwide, and conducted 2 545 official inspections and surveys. The specialist systems created as a result of the VIZEK project ensure that official procedures and registration tasks can be carried out electronically. Under the special emergency rules, the automatic renewal of water rights, establishment and termination permits in principle has resulted in 464 official decisions, while exceptional reductions and exemptions related to water resources contributions affect a large percentage of water users.

▼ Procedures carried out in the framework of priority investments from the point of view of national economy are typically connected to the improvement of drinking water quality, as well as for sewage drainage and



cleaning, development of industrial sites and plants, and infocommunication network developments. In addition, as part of the water management developments implemented with the financing of KEHOP projects, the starting structure of the Ferenc Canal, the Ferenc Deák Lock, was renewed in Baja, for example. The field has paid special attention to supporting the efficiency of the agricultural sector. The change in the legal regulation related to irrigation management meant new tasks, the licensing of water uses for irrigation resulted in the substantive closure of 2 269 procedures.



Deputy Directorate General for Authority Affairs

▼ Following the measures of the territorial water and water protection authority, a multi-year problem affecting transboundary water was eliminated by the construction of an independent wastewater treatment plant for the treatment of wastewater from the Bácsbokod dairy plant, the trial operation of which started on September 1, 2020. The treated wastewater enters the tributary of the Bokodi-Kígyós canal flowing through the border. In order to implement the EU directive on the protection of waters against pollution caused by nitrates from agricultural sources, experts carried out water protection inspections at 127 holdings on 117 farms. Among the water quality protection tasks, in 2020 the field gave priority to the monitoring of industrial and municipal emissions. In addition to on-site inspections combined with sampling, it ensured the prevention of environ-



mental impacts by applying legal sanctions. Disaster management mobile laboratories used water analysis tools to detect incidents.

▲ During the official supervision of the 610 plants dealing with hazardous substances in Hungary, the field ensured the lawful and safe operation of the plants with more than one thousand six hundred inspections. As in 2019, in 2020 the emphasis was placed on the examination of the aging processes of hazardous plants and the condition and adequacy of personal protective equipment and technical equipment systematized in hazardous plants. Two guides have been prepared for operators. One helps to design and operate safety systems for monitoring technical condition and maintenance effectively, and the other summarizes experience in assessing the aging processes of hazardous plants and preventing related events. The experts focused on the epidemic involvement of hazardous plants, processed and shared international experiences with domestic operators. The field presented domestic good practices related to the pandemic at various international web conferences and webinars.



► The NDGDM continuously monitors the changes in Hungary's radiation situation, so in 2020 it also performed the country's early warning tasks for nuclear accident prevention. Continuing the developments started in previous years, the radiological monitoring telemetry network was expanded with thirty new-generation measuring stations, and a common data collection and display platform was added with the monitoring and public alarm system. During the further development of the telemetry network, four aerosol metering stations were technically taken over, which will be connected to the system in 2021. The expansion of the telemetry network contributes to the improvement of the national coverage provided by the metering stations and makes the monitoring, modeling and evaluation of the consequences of a possible nuclear emergency more well-founded.



on the use of chemical, biological, water analytical and radiological instruments, and the modernization and expansion of DMML vehicle equipment began.

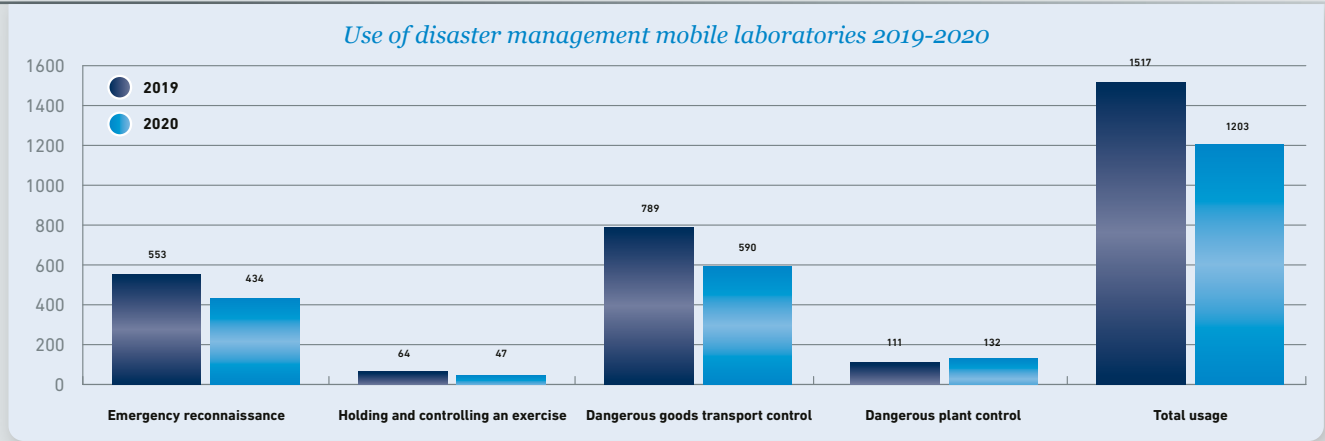
▼ In 2020, the employees of the Dangerous Goods Transport Division inspected a total of 29 thousand 174 road, rail, watercraft and air consignments transporting dangerous goods during 5 357 inspections, during which 831 irregularities were discovered. During the spring wave of the epidemic, between March and August, inspections were suspended. In the second half of the year, the disaster management held a multi-day DISASTER action on a total of three occasions - with the involvement of partner bodies, in the framework of which



▲ In order to manage incidents related to chemical, biological and radiological substances and to protect the population and the intervening population, 21 disaster management mobile laboratories and 7 disaster management radiation detection units are in operation nationwide. In 2020, mobile labs had to be used in more than one thousand two hundred cases. In order to develop the capabilities of Disaster Management Mobile Laboratory services, the field held two regional trainings



Deputy Directorate General for Authority Affairs



the experts inspected 5 306 vehicles. In the context of Schengen border protection, 24-hour continuous control of railway vehicles (10 504 dangerous goods) continued at the Kelebia railway border crossing.



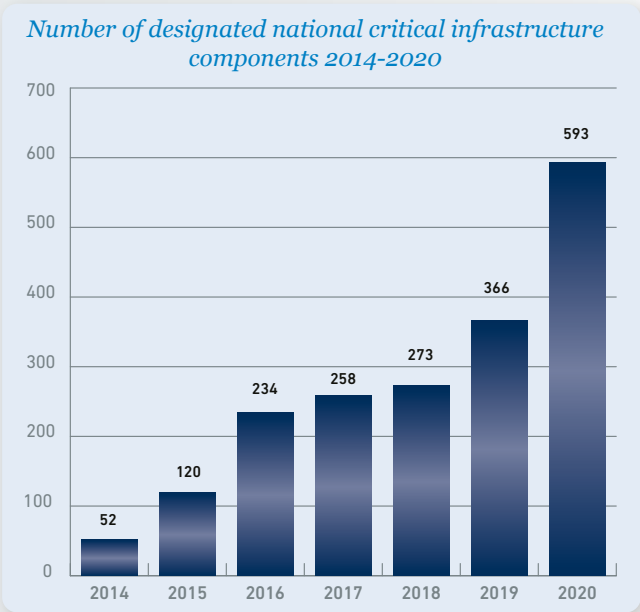
◀ From 1 January 2020, the NDGDM has the competence and national competence in the official procedures related to the approval of packaging used for the transport of dangerous goods and bulk containers. A total of 381 applications were processed during the year.

In 2020, great progress was made in the development of designated critical components: in addition to international ones, the experience gained in recent years in law enforcement and protection against new types of coronaviruses has been incorporated into the regulation of critical infrastructure protection. The preparatory work, involving more than twenty bodies, lasted more than half a year, with two laws and thirteen government decrees amended. The goal was to develop a practical protection system that increases efficiency and ensures continuous operation.

▼ On September 30, 2020, the field held a national critical infrastructure protection cooperation exercise related to critical systems and facilities at Sármellék Airport in Zala County. The exercise, based on the problems caused by the stormy weather, demonstrated the vulnerability



of the energy and transport components, as well as their interdependence with other sectors and the measures taken in the specific situation. The exercise assumes that power outages affecting 7 546 consumption points in 37 settlements also affected the operation of other sectors. In addition to managing disaster management, eleven



organizations and partner authorities worked together to temporarily replace missing vital components and to ensure the airport's electricity and water supply and business continuity.



▼ The project aimed at improving the responsiveness of territorial bodies continued, such as the establishment of industrial safety information centers in the capital and counties within the framework of the KEHOP tender, and the systematization of critical infrastructure protection deployment units was completed. The construction of the industrial safety information centers is expected to be completed in the first half of 2021.



Deputy Directorate for Economic Affairs



The economic specialty of disaster management has set the goal of successfully continuing the developments of previous years by 2020 as well. The search for and implementation of IT and technical innovations is essential to meet the challenges of the 21st century. Each new vehicle and equipment helps to carry out the core business of the organization efficiently and effectively, thus significantly increasing the safety of life and property of the country's population.

The implementation of EU-funded projects in all areas of disaster management, totaling approximately HUF 52.7 billion, enabling the implementation of higher quality disaster management, continued successfully. The physical and financial closure of the projects "Establishment of Fire Barracks - Fehérgyarmat Fire Brigade",

"Development of the Central Laboratory", "Construction of the Logistics Warehouse" was completed, as well as the project "Development of Disaster Management Systems in the Lake Balaton Region", the latter happens in 2021.

In order to develop the vehicle fleet for disaster management, motor vehicles suitable for forest fire rapid intervention, logistics, flood and civil protection, management control and fuel transport, as well as S3 category vehicles with various interchangeable structures for water transport, forest fire fighting and other technical rescue, technical rescue, technical rescue vehicles have been added to the system. A patrol vessel controlling the transport of dangerous goods by water was taken over, and a semi-trailer with a three-axle heavy machinery transport was also added to the disaster management. Volunteer rescue organizations received 45 four-wheeled quads and quad trailers. In addition, the superstructure of 16 forest fire rapid response vehicles and 23 vehicles required for the transport and maintenance of unmanned aerial vehicles is also being funded by the European Union.

The development of the vehicle fleet required for the work of the disaster management operations services, which started two years ago, continued, and in 2020 the county disaster management directorates took over eight vehicles equipped with personal protective equipment and equipment necessary for conducting fire inspections. The total value of the procurement was more than one hundred and sixty-six million forints, which was supported by Generáli Insurance Ltd. with eighty million forints. The depreciation of vehicles did not stop either, 57 passenger cars with an investment of more than HUF 300 million and 12 minibuses worth almost HUF 150 million entered the disaster management system.

Within the framework of the projects related to real estate development and renovation, the disaster management guard was completed in Villány, the construction works of the fire brigade in Fehérgyarmat and Kiskőrös were completed, and the real estates were handed over. The barracks was also completed in Gyöngyös, which can be taken over by the city's firefighters in 2021. The preparation of the projects for the implementation of the fire barracks in Kecskemét and Pécs continued, the work area was handed over in Kecskemét, the construction works can start there

The National Directorate General for Disaster Management of the Ministry of the Interior was able to carry out investment and renovation works on 45 properties nationwide with approximately two hundred and forty-two million forints, and the complex renovation of the Orosháza professional fire brigade building

As part of the "Improvement of the Industrial Safety Telemetry Network" project, 39 monitoring and 71 alarm endpoints were installed according to the schedule. As part of the project, the radiological and telemetry network of the NDGDM was renewed, and four so-called aerosol endpoints were also established.

Back in 2018, with the continuous construction of a state-of-the-art building engineering control system using modern control technology devices, the program for the reconstruction of disaster management barracks was launched. Last year, 53 news stations were developed, and a total of 106 fire barracks were integrated into the system. The development, which also includes automation, ensures the fully automatic start-up of electrical equipment and the control of loudspeakers, all of which greatly contribute to the reduction of alarm time.

The new module of the Marathon Terra system will be in live operation from December, through which the SMS-based emergency alert and information of the population can be implemented.

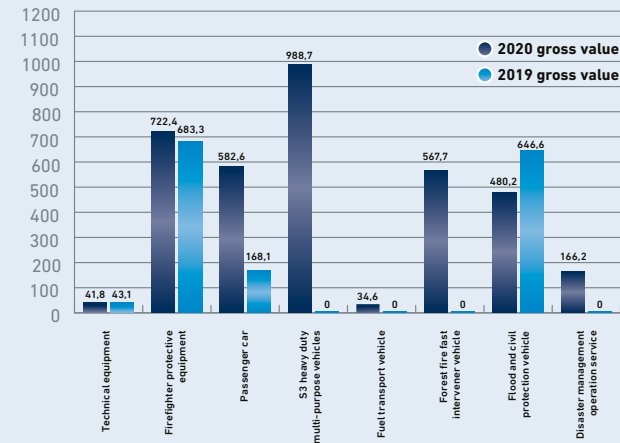
In 2020, thanks to tight, cost-effective management, Disaster Management closed the year debt-free, fulfilling its reporting and reporting obligations on time in accordance with legal requirements.

The maximum utilization of domestic budget resources and tender opportunities has also brought great progress in the development of the technical instrument for disaster management in the past year. The focus of the management tasks was to create a fleet of vehicles and equipment of a standard corresponding to the challenges of the age, as well as to modernize and replace depreciation of technical equipment and protective equipment. In order to achieve these results, the employees of the Deputy Directorate General for Economic Affairs have an important role to play, who contributed to the smooth execution of the tasks with their professional knowledge and precise work.

Fire Fighter Brigadier General
Péter Bartók
Deputy Director General
for Economic Affairs

Deputy Directorate for Economic Affairs

Disaster management asset purchase in 2020 compared to purchases in 2019 (in million HUF)



▼ With the scheduled use of EU funds, a number of real estate investments and asset transfers were realized in 2020 as well. During the year, four projects were completed and the implementation of twenty-one continued, in addition to this the NDGDM participated in the preparation of the Green Infrastructure and Climate Protection Operational Program (ZIKOP) related to the 2021-2027 EU budget..



Protective equipment and technical tools purchased in 2020

Name	Quantity	Cost	Source name
Firefighter protective clothing	1 000	317,1 million HUF	NDGDM own budget
Firefighter protective helmet	1 070	146,0 millin HUF	NDGDM own budget
Breathing bottle	839	117,0 millin HUF	NDGDM own budget
Firefighter protective boots	740	47,9 millin HUF	NDGDM own budget
Climbing belt	1 000	45,9 millin HUF	NDGDM own budget
Cordless tension cutter	10	41,8 millin HUF	NDGDM own budget
Respirator mask	742	25,8 millin HUF	NDGDM own budget
Firefighting gloves	630	22,7 millin HUF	NDGDM own budget
In total	6 031	764,2 millin HUF	



Deputy Directorate for Economic Affairs

Vehicles systematized in 2020

Name	Quantity	Cost	Source name
Heavy duty vehicle of category S3 with interchangeable body	3 pieces	988,7 million HUF	EU funding
Forest fire fast intervener (Volkswagen Amarok)	21 pieces	567,7 million HUF	EU funding
Logistic, flood and civil protection vehicles (Volkswagen Amarok)	29 pieces	480,2 million HUF	EU funding
Quad + trailer	45 pieces	192,2 million HUF	EU funding
Off-road passenger car	8 pieces	52,1 million HUF	EU funding
VW T6 type fuel vehicle	2 pieces	34,6 million HUF	EU funding
Semitrailer	2 pieces	44,8 million HUF	EU funding
Semitrailer towing vehicle	1 pieces	37,7 million HUF	EU funding
Truck for moving equipment	1 pieces	31,1 million HUF	EU funding
Passenger car	57 pieces	371,2 million HUF	NDGDM own budget
Disaster management operation service vehicle	8 pieces	166,2 million HUF	NDGDM own budget + donation
Mikrobus	12 pieces	158,9 million HUF	NDGDM own budget
In total	189 pieces	3 125,4 millin HUF	



◀ Last year, NDGDM supported the operation of voluntary fire brigade associations, voluntary rescue organizations and municipal fire brigades with new firefighting equipment, personal protective equipment, firefighting equipment and various hand tools. Under the support, we provided more than 8 300 tools to 772 organizations. The modern equipment provided contributes to the efficient operation of voluntary organizations and municipal fire brigades, thus increasing the security of life and property of the country’s population.



◀ In order to reduce personal encounters, NDGDM has set up a video conferencing service. Three physical and twenty-two software endpoints provide nationwide coverage.

Major investments and renovation works (over HUF 10 million) completed in 2020

Name	Cost	Source name
Establishment of a fire barracks in Kiskőrös	919,8 million HUF	EU funding
Establishment of a fire barracks in Fehérgyarmat	677,8 million HUF	EU funding
Establishment of a fire barracks in Villány	217,6 million HUF	EU funding
Renovation of the electrical network of the Püspökladány Disaster Management Office and Professional Fire Brigade	35,6 million HUF	NDGDM own budget
Hódmezővásárhely Disaster Management Office and Professional Fire Brigade: roof renovation	35,0 million HUF	NDGDM own budget
Renovation of the internal architectural and electrical network of the Sárvár Disaster Management Office	35,0 million HUF	NDGDM own budget
Relocation of the Esztergom Disaster Management Office to one building	24,5 million HUF	NDGDM own budget
Renovation of the electrical network of Komárom-Esztergom County Disaster Management Directorate	19,0 million HUF	NDGDM own budget
Sewer sump replacement of Monor Professional Fire Brigade	14,8 million HUF	NDGDM own budget
Renovation of hose dryer tower of Ózd Professional Fire Brigade	14,4 million HUF	NDGDM own budget

IT developments in 2020

Name	Cost	Source name
Construction of a building engineering control system that can be remotely managed and assists in primary fault detection (53 pieces)	51,0 million HUF	NDGDM own budget
Central directory version update	39,0 million HUF	NDGDM own budget
Exchange mail server version update	30,8 million HUF	NDGDM own budget
Introduction of an e-inspection system	22,8 million HUF	NDGDM own budget
Desktop IP phones (114 pieces)	12,4 million HUF	NDGDM own budget
Development of server room high and low current backbone network	11,0 million HUF	NDGDM own budget
Unmanned aerial vehicle (DJI Matrice 300) and accessories	8,5 million HUF	NDGDM own budget
A GIS application supporting the management of coronavirus pandemic	-	NDGDM own budget
Register of emergency stocks	-	NDGDM own budget

NDGDM Economic Supply Center



▲ As the logistics organization of disaster management, the task of the NDGDM Economic Supply Center is to support continuous operation: it performs the centralized payroll tasks of disaster management bodies, ensures continuous supply, stocks, ensures the proper quality and efficient movement of assets even in circumstances where the previously used supply run out, purchasing and repair options are eliminated and some stages of technical service are missing. In addition, in the framework of COVID-19 epidemic control, the organization fully operated the Emergency Center of the Ministry of the Interior in the premises of the National Emergency Management Center from a logistical point of view, participated in the construction of an emergency hospital built in the pavilion „G” of Hungexpo in a preparatory manner, and carried out the handover of one hundred administrative vehicles temporarily made available to the National Ambulance Service by the disaster management.

► During the year, the temporary storage, commissioning and allocation of application funds to the beneficiary county disaster management directorates, voluntary fire brigade associations, voluntary rescue organizations and municipal fire brigades was a priority task within the framework of KEHOP applications.

▼ In 2020, the Jogar Education Center and Hotel in Balatonföldvár did not focus on hospitality, but achieved significant results in improving the external and internal condition of the property, in the quality transformation of the garden, and new guest parking was built and renewed. Space lightning has also been renewed.

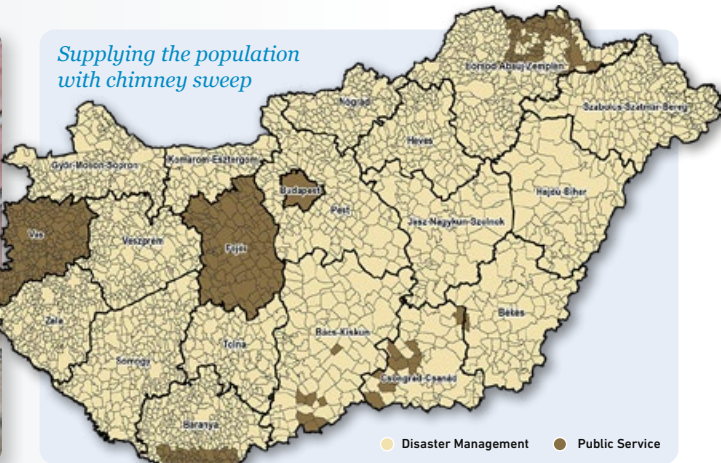


The supply area of the Economic Supply Center chimney sweeps was further expanded, by the end of the year it included a total of 2 675 settlements. Despite the stoppage of work from mid-March to the end of June, mandatory inspections of condominiums and housing cooperative residential buildings were completed as



planned, and all residential needs and orders were met by professionals. Nearly five hundred thousand real estate flues were inspected. ▲

▼ The annual national mosquito control program, coordinated by disaster management, began with biological larval control in early April. The treatments lasting 23 weeks affected 1 100 settlements, the treated area totaled 922 thousand 947 hectares, on which the organization mainly used the method of ground chemical control. Due to the rainy summer, extreme mosquito damage has developed in the Upper Tisza region; therefore the government has provided HUF 663.1 million in



additional funds for stronger protection. To reduce the health risk, the National Center for Public Health has temporarily approved the aero chemical process under strict official supervision. In order to increase the share of biological reductions and the effectiveness of treatments, the disaster management successfully mapped the mosquito breeding sites in the region between the Danube Gönyű and Paks.

▼ On the occasion of the one hundred and fifty years anniversary of the establishment of the fire brigade, the director of the Economic Supply Center tied up the flag ribbon to the banner of the organization at the same time as the head of the county disaster management directors, the head of the Capital Disaster Management Directorate and the Disaster Management Training Center.



BM HEROS Inc.



▲▼ The primary task of the BM HEROS companies remains the production and refurbishment of fire-fighting and special vehicles, the technical service and repair of the professional fleet for vehicle protection, and the inspection and maintenance of respiratory protection equipment. On November 13, 2020, the factory hall of BM Heros Inc. officially opened its doors in Kaposvár. The long-awaited service of the region, which supplies and maintains NDGDM’s vehicle fleet, as well as one of Hungary’s bus production bases, will start operating at the site. There is also an education and innovation workshop in the hall, which will be the number one workshop for students in vocational education at the Kaposvár Vocational Training Center.



▲ A new element in the company’s offer is the TGE type minibuses, which could be realized thanks to the cooperation with MAN Kamion és Busz Kereskedelmi Ltd.

► Within the framework of the domestic protection against the SARS-CoV-2 coronavirus pandemic, the Budapest University of Technology has developed two types of ventilators at the request of the Minister of the Interior. BM HEROS LEK Ltd. was commissioned by the State Health Care Center to manufacture a thousand devices, in the framework of which the company manufactured two hundred PLC-based ventilators in 2020. Special infrastructure required for the activity, such as a “clean workplace” in a pressurized tent; Heros has implemented individual filtered, cooled-heated, humidity-controlled air treatment at its



site and ensures its continuous operation throughout production.

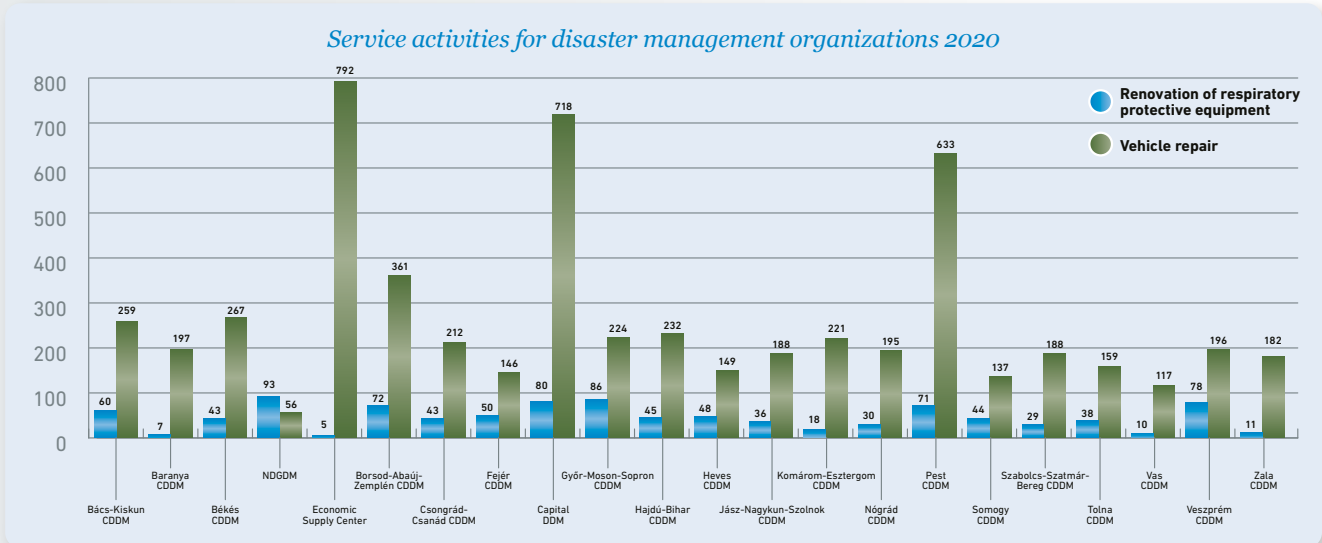
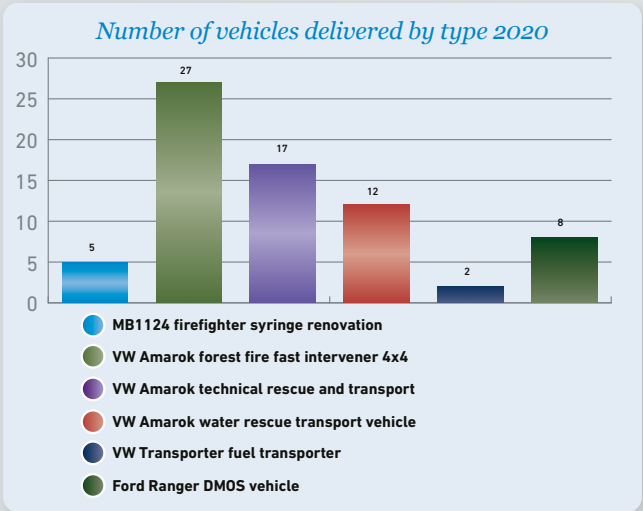
▼ BM HEROS LEK Ltd. provides the technical service and repair of the entire vehicle fleet and equipment of professional disaster management, as well as the inspection and maintenance of respiratory protection equipment with the involvement of more than a hundred subcontractors in addition to its central and three regional services. At the beginning of November, the emergency supply provided to Zöld Híd Ltd. for two

years ended. In 2020, the company performed a total of 6 826 service tasks, of which 997 were the repair of respiratory protective equipment, and the other 5 829 were the repair of vehicles and equipment.

▼ In 2020, the BM HEROS companies handed over 81 ambulances to the National Ambulance Service. At the



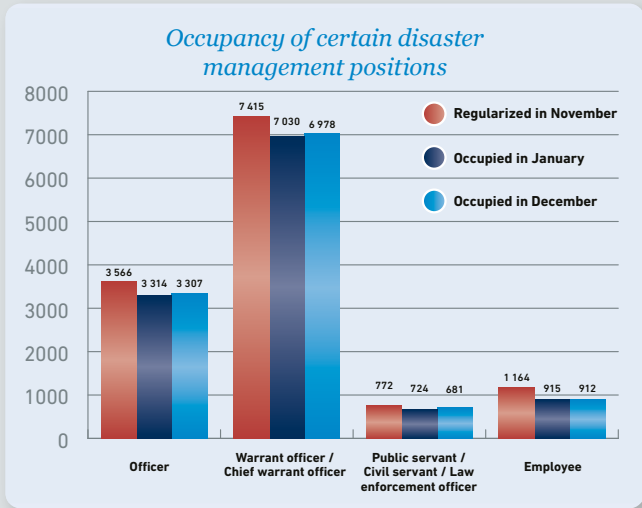
same time, it has manufactured more than 450 new ambulances in recent years and also won the National Ambulance Service’s 2020 tender for the production of another 90 ambulances. Last year, the group’s sales revenue exceeded HUF 8.5 billion.



Human Service



▲ During the year, the concept of human care was significantly re-evaluated. In addition to providing the appropriate human resources and preparedness to perform the tasks of the organization, as well as planning the recruitment, the human service gave priority to the observance of public health and epidemiological rules



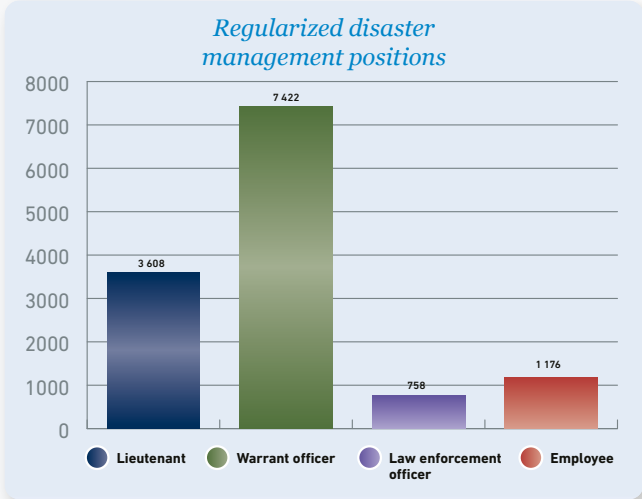
and prevention in order to preserve the physical and mental health of the staff. The field has responded quickly, efficiently and effectively to, among other things, the challenges of digital education in both VET and higher education. With effect from 1 January 2020, the professional staff of the professional disaster management body received an additional allowance of 10 per cent, the salary ceiling for law enforcement administrative staff was increased, thus the average salary of the staff concerned increased by 5 per cent, depending on the performance evaluation. The Minister of the Interior assessed the organizational performance of the professional disaster management body in the previous year at 92 per cent, on the basis of which 10 755 colleagues with professional staff received performance allowances.

◀ The fluctuation of the organization decreased significantly compared to the previous year, it dropped from 6.5 percent last year to 3.4 percent, the occupancy rate exceeds 90 percent on average.

During the year, nearly seven hundred and fifty of the professional disaster management personnel received recognition. Most of the celebrations organized on the occasion of national, state and corporate holidays had to be postponed due to the epidemiological situation, but the celebrations were greeted and the recognitions were announced in all cases. ▶



▲ With the transformation of the vocational training system and the removal of disaster management vocational training from the National Qualification Registry, the transformation of the organisation's vocational training system and the preparation of educational administration and training documents related to the introduction of new training began. The field has developed the re-



quirements of the new position of disaster management officer, fire brigade commander, firefighter, chief fire brigade, fire brigade desk officer, chimney sweep and disaster management desk officer (civil protection – industrial safety) to be introduced from 2021.



▲ The human department has established the Disaster Management Examination Center operating in the organization of the professional disaster management body, and all the documentation necessary for the accreditation procedure of the examination center has been completed.

▼ At the end of the academic year, 94 people were able to take their diplomas at the Institute of Disaster Manage-

Human Service



ment of the Faculty of Law Enforcement of the National University of Public Service, and 21 firefighting candidates completing their studies on a full-time basis passed the exam. On August 24, 2020, 15 candidates for firefighters began their studies at the NUPS FLE Law Enforcement Department. A total of 261 students completed the Fire-fighter II. in modular training. In order to meet the uniform system of qualification requirements for officers and managers, more than one thousand two hundred law enforcement examinations were completed in central trainings together with 62 colleagues in 2020, a total of 753 completed the law enforcement training course and 178 completed the law enforcement master training course. ▲

► Following the lifting of the restrictions due to the epidemic situation at the beginning of the year, two hundred and thirty-one children of the disaster management workers took part in the six-day shifts of the summer disaster management youth camp held at NARO Camping in Balatonföldvár between 21 June and 1 August. The main goal of organizing the camp was to help the children to spend their free time usefully and to get to know the activities of the organization better in the course of career guidance sessions.

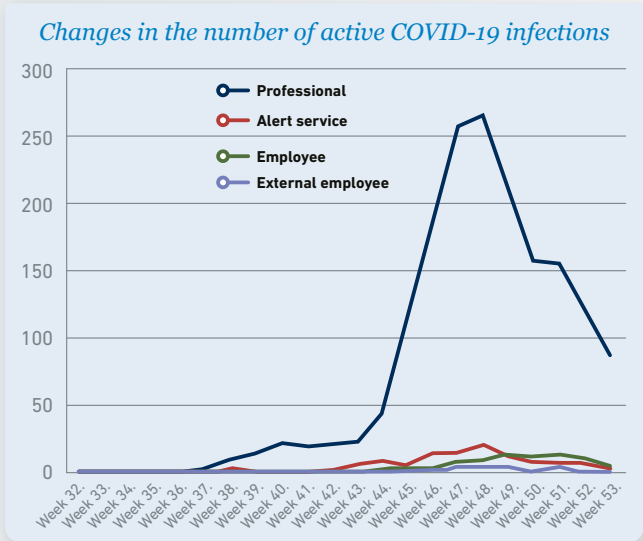


▲ As early as January 2020, the 20th Education International Exhibition of Education was held, where young people about to choose a career could also learn about the disaster management trainings of the National University of Public Service. In March, the Capital Government Office organized the Learn Career and Vocational



Training Exchange for the fifth time, at which disaster management was also presented.

► In addition to education for a healthy lifestyle and prevention of accidents at work, the most important activity in the field of health, psychology and occupational health and safety was to perform tasks related to the COVID-19 epidemic during the year. The professional staff suffered a total of 111 days of service or work accidents involving dismissal. A significant proportion of accidents occurred during sports and road traffic. 1,047 career aptitude tests were conducted last year for professional, municipal, facility and volunteer firefighters. The field has participated in the preparation of several projects launched



by the Ministry of the Interior, including the organization-specific development of competency tests related to aptitude tests. Legislative tasks related to the two new decrees of the Minister of the Interior, the related health and psychological aptitude test protocols, and the elaboration of the draft instruction of the Director General of the Ministry of the Interior of the Ministry of the Interior provided work for the field. Despite the pandemic, in addition to maximum compliance with epidemiological rules, the specialty also organized a national blood donation in 2020 on the occasion of the World Day for Natural Disaster Reduction, in which more than a thousand unit of blood was donated from the professional disaster management body.



◀ Covid-19 infection was detected in 1 220 colleagues during the year from the professional disaster management body.

Disaster Management Education Center



▲ 2020 presented the education organization field of the Disaster Management Education Center with significant tasks in several respects. Following the declaration of the state of emergency, a government decree on different rules for the provision of adult education and vocational examinations was issued, which provided for the possibility of using absentee education instead of so-called attendance training. The transition affected the Firefighter II. sub-qualification, the Fire Extinguisher Commander, and the Firefighter I qualification and the training of municipal and facility firefighters. During the emergency, the stakeholders received the training material of the vocational training in digital form, for the processing of which the education specialty provided progress plans and online consultation opportunities. The Firefighter II. Participants in part-time qualifications acquired some practical knowledge through outsourced training at the county councils in which they were enrolled. Classes that could only be organized under the supervision of DMEC teachers and on the school's practice course were scheduled to take place after the June 18 emergency were lifted. This also applied to the remaining hours of suspended training. Thus, all the trainings planned in the first semester were completed by October, and the

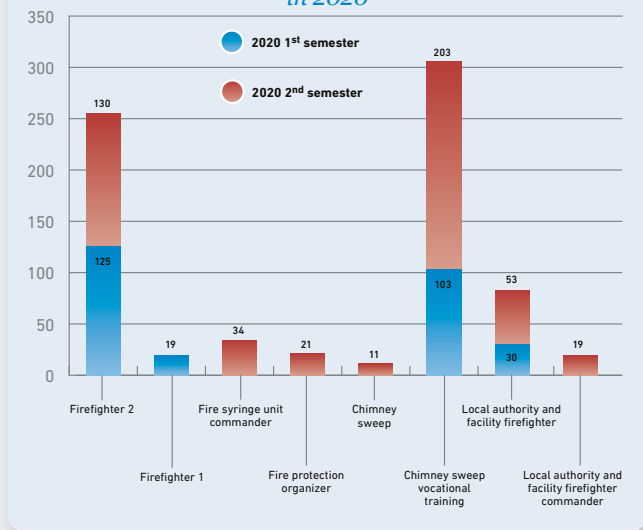
participants in the training were issued. During the emergency, internal training was also lacking, but these could not be held in any other way.

▼ The other challenge was the change in the vocational and adult education system, because under the new regulations, the scope of school-based vocational education and vocational training in adult education was permanently divided. One of the most important consequences of the change in the training structure is to satisfy the long-standing professional need for municipal and full-time facility firefighters to participate jointly in the professional training of prospective professional firefighters, receiving the same certificate from the accredited Disaster Management Examination Center.

Transformation of the training structure

The old National training register (OKJ) modular system	The new training system (8)
Firefighter 1.	Firefighter
Firefighter 2.	
Fire syringe unit commander	Fire syringe unit commander
Firefighter referent	
Law enforcement organizer, fire protection, industrial safety, disaster management specialization	Disaster Management officer training
Fire protection officer	Fire protection officer
Fire protection Chief officer	Fire protection Chief officer
Disaster Management officer	Disaster Management co-worker (civil protection – industrial safety)
Disaster Management chief officer	Disaster Management assistant (civil protection – industrial safety)
Disaster Management expert	-
Disaster Management referent	-
Chimney sweep	Chimney sweep

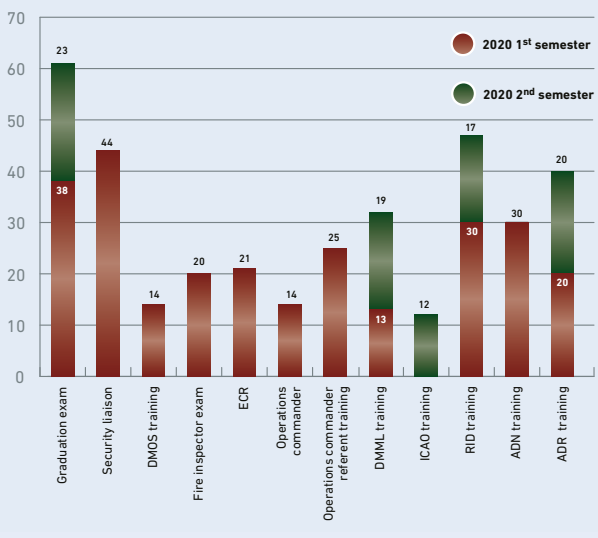
Pre-service training in 2020



Central Museum of Disaster Management

► The main task of the Central Museum of Disaster Management in 2020 was to celebrate the hundred and fifty years of the professional Hungarian fire brigade. In the course of this work, the 150-year-old traveling exhibition entitled The Hungarian Fire Brigade was completed and presented nationwide, reaching all counties. The volume entitled “The 150-Year History of Organized Fire Protection in Hungary” by Count Ödön Széchenyi: the reformer, who had two countries was published, as well as the thematic special issue of the Internal Affairs Review. In honor of the anniversary, commemorative stamps, commemorative coins and commemorative banknotes were issued. Due to the coronavirus, the Central Museum of Disaster Management and rural exhibition sites could not hold public programs between March 16, July 1, 2020, and November 11, 2011, and January 11, 2021. In view of the epidemic situation, a significant part of the museum's work has been transferred to the digital space: a virtual tour of the museum has been completed and made available on the website. The red mud disaster of 10 years, the literary

Training to carry out an activity in 2020



and children's drawing exhibition “Past, present, future in firefighting” and the 150-year-old virtual exhibitions entitled The Hungarian Fire Brigade were also published on the museum's website. A series of educational videos entitled Where there is trouble, there is a firefighter be accessed on the website as well as on social media sites. The 125-year-old central barracks of the capital's fire brigade was made together with the Capital Disaster Management Directorate.



Disaster Management Education Center

▼ The museum staff digitized 660 historical photographs and 6 564 pages of fire history documents and journals. Some of these have become available on the Internet and others have been made locally searchable. A significant event of the year was the opening of the Visual Warehouse of Újpest Fire Brigade, i.e. the Central Museum of Disaster Management, where the most beautiful pieces of fire-fighting vehicles of museum value can finally be presented in a worthy way. Over the past year, the museum has participated in forty-four events, traveling nearly fifteen thousand miles. Thirty-two researchers spent a total of fifty-seven research days at the institution. More than a total of one thousand one hundred works were submitted to the 13th literary and drawing competition named Don't burn.



Disaster Management Central Orchestra

The orchestra's activities last year were completely upset by the viral situation. There was a much smaller opportunity to show up than usual. The band complied with its reverence agreements as well as outdoor requests that did not conflict with the rules in place in an emergency.

Unfortunately, as a result of the pandemic, we lost a colleague of ours, fire fighter captain **János Nyíri**, whose memory will be preserved with grace.

▼ The orchestra, consisting of nearly two hundred and fifty works at its repertoire, performed at a conference to mark the centenary of the Fire Department's centenary, and in this connection they also paid tribute to a one-and-a-half-century past with an unusual genre, a video clip. They also played at the event of the Disaster Management Education Center, at the Civil Protection Day ceremony, at the Learn Profession Training Vocational Fair, but the musicians were there at the Generali Night Run running competition, the at the opening of the school year or at the celebration of the 100th anniversary of the volunteers of Rákóczi falva.



Research Institute for Disaster Management

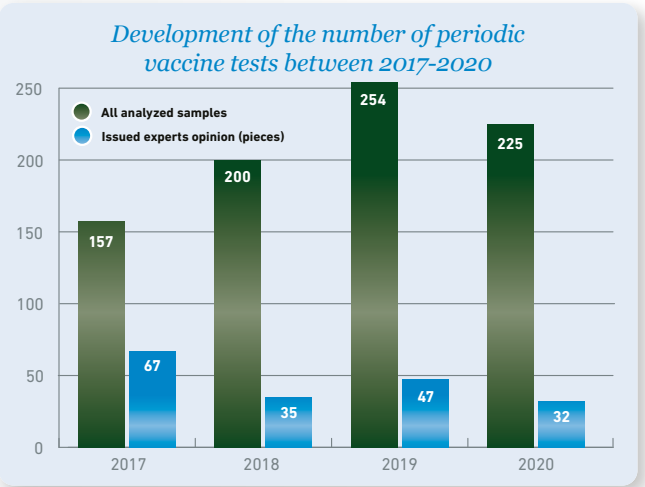
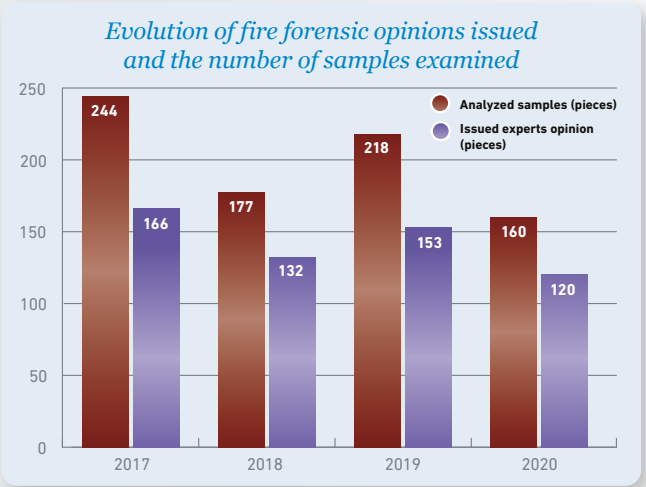
► In 2020, the Research Institute for Disaster Management gave priority to the operation and development of fire test analytics. Expert opinions were issued on time throughout the year and service inquiries were

served. The supply of fire testing units to the regional bodies to facilitate sampling activities was continuous and smooth, and the institute cooperates effectively with the county fire inspectors. Due to the pandemic, the fire inspector's competition was canceled and no personal presentations were made at the regional or central trainings typical of previous years. In the spring period, the number of inspection requests decreased, thanks to which the work was more evenly distributed compared to the tense pace of previous years, and the execution times were shortened.

► Epidemiological measures did not significantly change the number of samples in the periodic fire extinguishing testing activities of the Research Institute for Disaster Management. Orders and vaccine samples were received continuously during quarantine. In 2020, the institute issued 225 test reports based on the definition of more than 1,500 product characteristics. There is a growing demand for concentration measurement associated with extinguishing system monitoring, which has necessitated the introduction of newer procedures. In this field, due to the changes in the standard for foam concentrates, new procedures had to be developed for the examination of the freezing point and film-forming ability. The research institute has been actively working since September



2020 to prepare for the consequences of the EU environmental regulation of fluorinated surfactant-containing fire-fighting foaming agents. Supports regional bodies in complying with stricter environmental legislation by assessing the condition of foam-forming materials used and stored by disaster management and exploring the involvement of foam stocks.



NUPS Institute of Disaster Management



▲ During the academic year, 107 out of 386 applicants started their studies at the Institute of Disaster Management of the Faculty of Law Enforcement of the National University of Public Service. In the basic course of Disaster Management, 15 students enrolled in full-time work and 58 students enrolled in correspondence, more than two-thirds of them participate in state-subsidized training. At the end of 2020, 38 students studied as full-time candidates in the full-time training of all three grades of the basic course in disaster management. Thirty-nine began their master's degree at the Institute for Disaster Management, and twenty-five of them are studying in a state-funded form. Thirteen civilian and four Mongolian students continue their studies in the cost-reimbursed training of the elective full-time undergraduate program.

► The special legal order introduced in 2020 due to the pandemic also had an impact on the operation of the National University of Public Service. The rector of the university took disaster prevention and management measures, which defined the institutional operation, the non-educational period, the framework for the introduction of absentee education, and the study obligations in

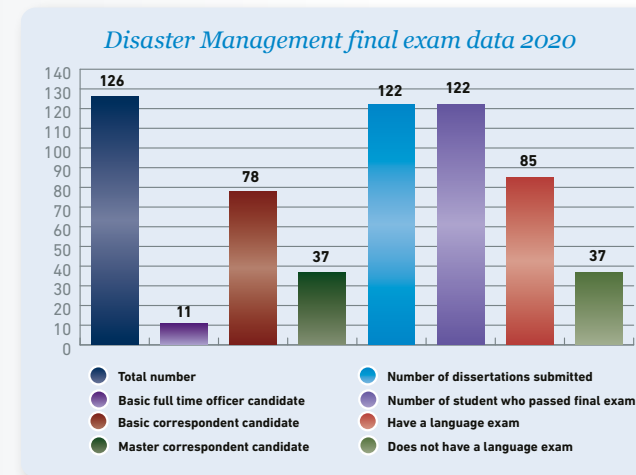
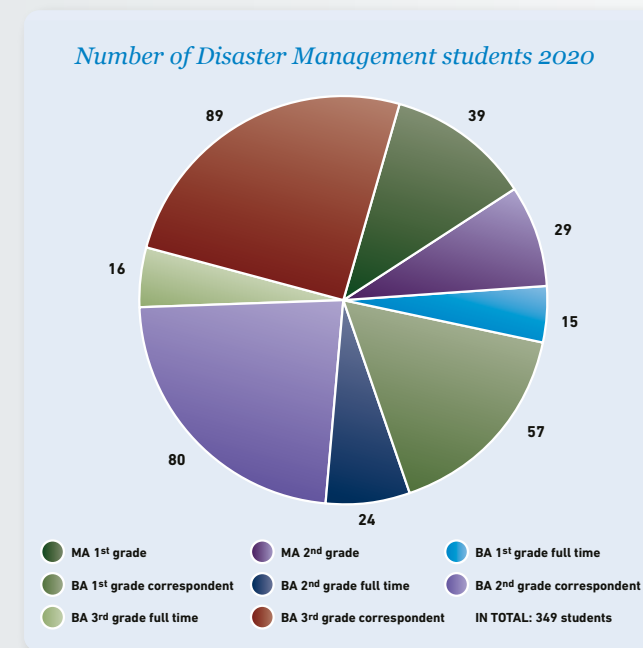
addition to the general safety and prevention standards related to epidemiological preparedness. The Director General of National Disaster Management prescribed that the students of the fire service candidate participate in the performance of law enforcement tasks in the disaster management directorates of their place of residence.

► At the beginning of the 2020/21 academic year, the number of students was 349. At the end of June 2020, 122 completed their studies, all of whom passed the final exam, 85 of whom had a language exam. As part of the government's job creation program, all students and former students were exempted from the language exam obligation. Based on this, anyone who passed the final exam by 31 August 2020, but did not have a language exam as a condition for obtaining the diploma, could receive his / her diploma. The Institute for Disaster Management issued such a document to a total of 683 students last year. One of the results of the Institute of Disaster Management in 2020 is that the basic training program for fire protection engineers has been included in the higher education qualification list and the training and output requirements of the program have appeared.



Based on this, the institute started the development of the organization and curriculum in the framework of the professional start-up procedure in order to prepare the necessary senate decision. The number of full-time lecturers increased by four and the institute also hired two part-time lecturers.

Last year, the College of Disaster Management expanded to 38 people, ensuring the talent management of outstanding students and the participation of the student body in individual research and professional programs. In order to nurture the talents of the students, scientific student groups were formed in each department according to the specializations. At the autumn faculty scientific student conference, almost a third of the applicants were students from the institute. In addition to the scientific activity, as a result of extensive cooperation, eight firefighter candidates also provided continuous standby service at the Zugló Volunteer Firefighters' Association in 2020. Students were also able to join the exercises organized by the National University of Public



Service Voluntary Disaster Management Service and the Budapest Voluntary Rescue Organization.



▲ For the fifth time, students who passed the final exam and took officer oath in the full-time schedule of the basic disaster management training were able to receive their first officer appointment. The proportion of students admitted and graduated has stabilized, and the number of graduates is increasing compared to previous years. The institute's solid educational portfolio ensures the supply of disaster management specialists from undergraduate to doctoral training

Office

In 2020, the staff of the Legal Department of Disaster Management participated in the preparation of 7 own-initiative legislation, commented on more than 600 proposals sent by the Ministry of the Interior, examined the legal compliance of 77 internal norms and took part in the preparation of 5 national cooperation agreements. The organizational and legal changes justified the issuance of a new Director General's Instruction on the Organizational and Operational Regulations of the National Directorate General for Disaster Management of the Ministry of the Interior, which also brought about amendments to the organizational and operational regulations of territorial bodies. A total of about 1,700 lawyers gave legal advice to colleagues in a variety of cases.



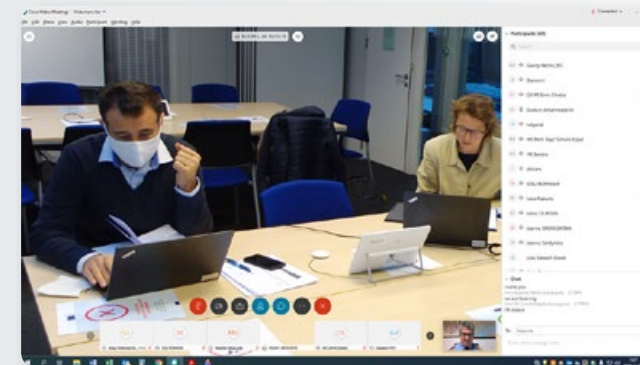
▲ In the spirit of data protection and information security, the Security Department continued to catch up with the physical protection of electronic information systems and organizational units in 2020, in line with EU regulations. In line with this, a completely revised IT Security Policy has been released. A new security area in the NDGDM object has received a classified data

management license, thus creating one of the important conditions for the electronic management of classified data. The measures introduced to prevent the spread of the coronavirus epidemic have led to a wider treatment of specific categories of personal data. The data protection challenge of 2020 was to ensure that disaster management developed all processes involving special data management in accordance with data protection principles, in particular the principle of accountability. Of the requests for information in the public interest, 21 were received by the Directorate-General, of which 12 were fulfilled by the organization and 9 were refused. 78 data requests were received by territorial and territorial bodies.

▼ In line with the challenges of the 21st century, electronic administration has been ensured, and the exchange of data and information is essentially electronic. A large proportion of the population continues to treat disaster management customer service as a general source of information, and the issues cover an extremely wide range of topics. Last year, the Customer Service Office handled 3 799 inquiries and 427 public interest reports and complaints. On the occasion of the 150th



anniversary of the establishment of the professional Hungarian fire brigade, the event organization specialty prepared a volume presenting the history of organized fire protection and a banknote commemorating the anniversary, which was received by all employees of the organization. It participated in the publication of a commemorative stamp and medal issued jointly with the Hungarian Fire Brigade Association, as well as in the creation of the exhibition entitled “150 Years of the Hungarian Fire Brigade”.



▲ Although many international events, including bilateral and multilateral meetings, were canceled due to the epidemic situation, the NDGDM continuously maintained its relations with the disaster management agencies of the V4 countries. The forums of the EU, NATO and the UN were transformed into a video conference format, in which the field ensured the Hungarian participation. It can be said that in relation to the three international organizations, an average of 3-4 video conferences were held per week. Due to the COVID-19 pandemic, the Integrated Political Crisis Response (IPCR) mechanism assesses the involvement of health, civil protection and consular authorities at the national level in the form of a weekly questionnaire, for which the Hungarian response is summarized by the international specialty.

The professional committees of the International Firefighters Association (CTIF) have been in contact with



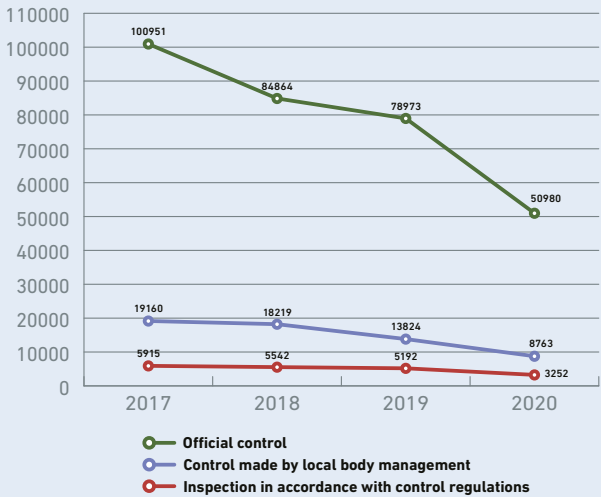
each other in the form of video conferences over the past year. The CTIF Delegates' Meeting was also held in an unusual, virtual manner, with the presidential election and the voting of the three new vice-presidents also taking place electronically. The organization plans to hold the missed meetings in 2021. ▲



▲ International disaster relief has been provided two times to China (masks and protective clothing to Wuhan), Croatia (earthquakes) and Greece (earthquake, Lesbos refugee camp fire). The consignments arrived at their destination organized by the Economic Supply Center of the NDGDM.

Audit Service

National audit data



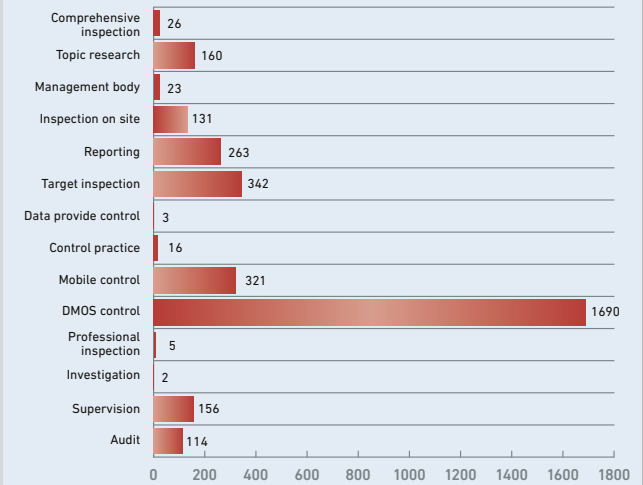
▲ The number of audits carried out by professional disaster management bodies has been steadily declining over the last four years. Due to the declared emergency situation, the NDGDM Audit Service reorganized the audit activity at the national level, and stopped the on-site audits on the instructions of the Director General. The inspectors performed some inspections with a request for data, others suspended or rescheduled. Due to the emergency, the 3 252 audits carried out were only roughly two-thirds of the value a year earlier. At the national level, the number of official audits was 50 980, the heads of local bodies carried out 8 763 audits.

► As a year earlier, in 2020, disaster management operations services (1,690) and mobile inspectors' inspections (321) together accounted for almost seventy per cent of all inspections. During the year, the Central Disaster Management body carried out two comprehensive and four management audits, seventeen thematic audits,



twenty-two targeted audits, as well as nine audit and ninety mobile audits, as well as thirteen inspections and eleven reports. A total of 462 action points and 69 non-action points were issued for the findings of the central audits carried out and closed, on the basis of which the auditees amended 8 internal standards at the central and 27 territorial levels.

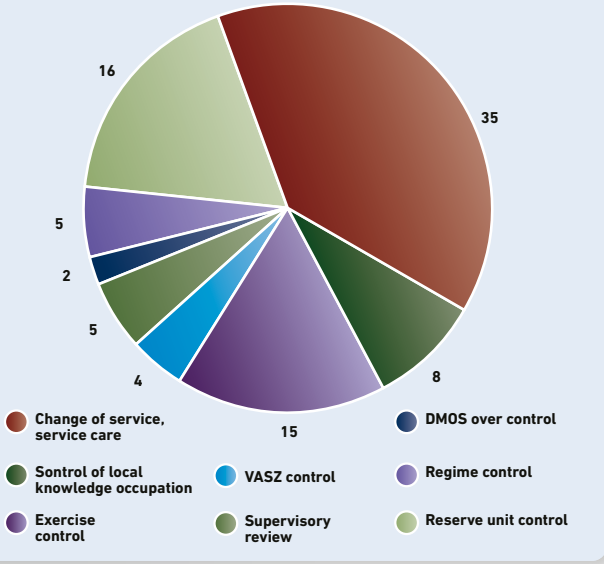
Distribution of controls



► The quality improvement of the activities of the disaster protection bodies at the regional and local level is indicated by the fact that more than forty percent of the ninety mobile inspections carried out by the central body of the Ministry of the Interior closed without deficiencies. The vast majority of central mobile controls were service shifts and service care, spare parts and various exercises.



Distribution of central mobile controls in 2020



◀ Due to changes in legislation and internal regulations, it has become necessary to amend the internal norm regulating the professional inspection activities of disaster management bodies, the new regulation effective from 2021 sets out the procedure for national/regional thematic inspections. In order to improve the control skills of the personnel, an e-learning examination material was prepared from the contents of the regulations. To this end, the field held regular consultations with the external service provider developing the curriculum and with the staff of the Department of Police Chief Selection, Management Training and Continuing Education of the Ministry of the Interior.

Communication Service

► The Covid-19 epidemic in 2020 significantly reshaped the organization's communication scenario. In response to the situation caused by the pandemic, the NDGDM focused a larger part of its communication activities on social media platforms in 2020. In the summer, the epidemic situation eased somewhat, at which point the focus was on mosquito control for a few weeks. At the end of the year, the prevention of house fires, the changed rules for the use of fireworks, as well as the news of the earthquake in Croatia and the delivery of Hungarian aid were among the leading news.



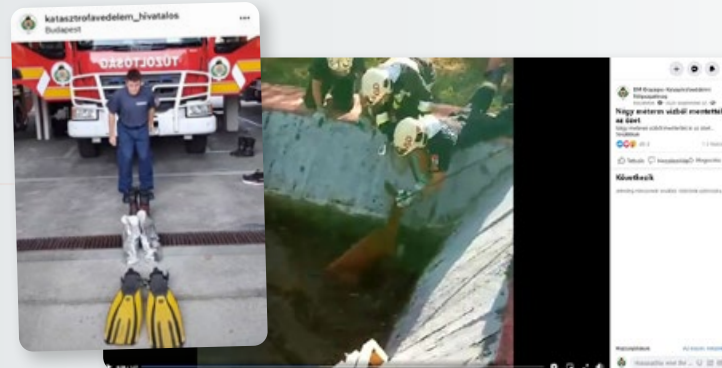
▲ Fewer statements, more announcements. Among the traditional forms of communication, the role of communications this time was to draw attention to personal responsibility, the role of people's self-care. The most frequently communicated topic was fatal house fires, and the prevention of such cases also depends on the perception of risk and the responsiveness of the immediate environment.

► Since November, a seven- to ten-minute disaster management block has been held every Monday on Kossuth Radio's Daytime broadcast. It has also become a regular feature on Duna TV's Family-Friendly show. Despite

Communication data 2020

Number of news published in the media	89 602
Number of messages sent via VÉSZ	9 283
NDGDM Facebook followers	81 018
People reached by most popular Facebook post	3,3 million
Number of photos published on a media server	15 894
Number of news published on the website (national and county)	8 003
Number of publications issued	4 215
Number of declarations	7 997

the epidemic, we paid special attention to raising public awareness of the prevention of house fires and carbon monoxide poisoning. In addition to these, the focus of the communication was on the outdoor fires, the changing rules of garden greenwaste incineration and the rules of chimney sweeping.

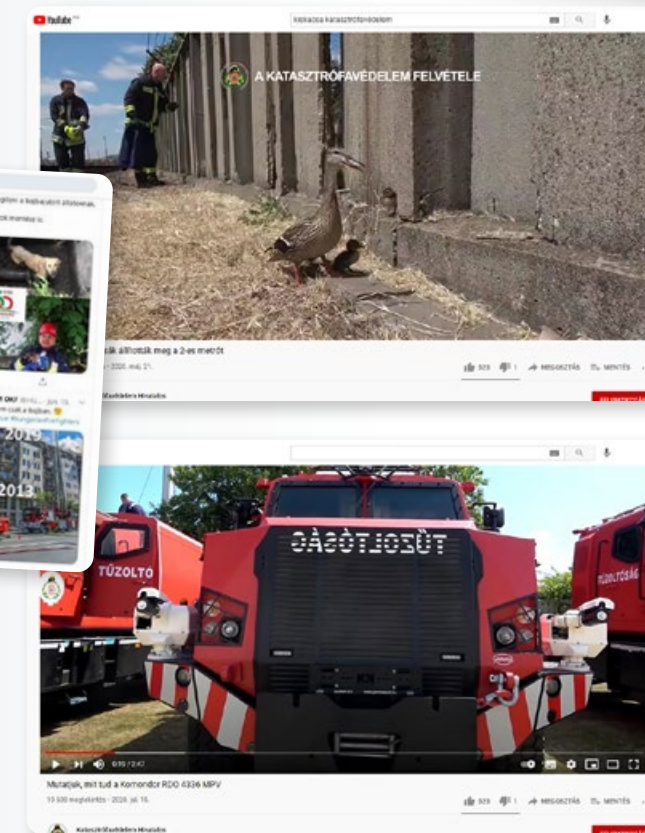


▲ At Facebook, we reached 3.3 million people with our most popular post. Most, a total of 45,715, liked a post about a deer rescue on September 22. More than 14,000 people shared a video about ring removal. We received 7 534 questions on this interface during the year. Our Instagram profile reached 11,000 followers by the end of the year, doubling in one year. In 2020, we posted 1,117 posts on this community interface. Most, 2 347, liked a September 8 video showing different work clothes.

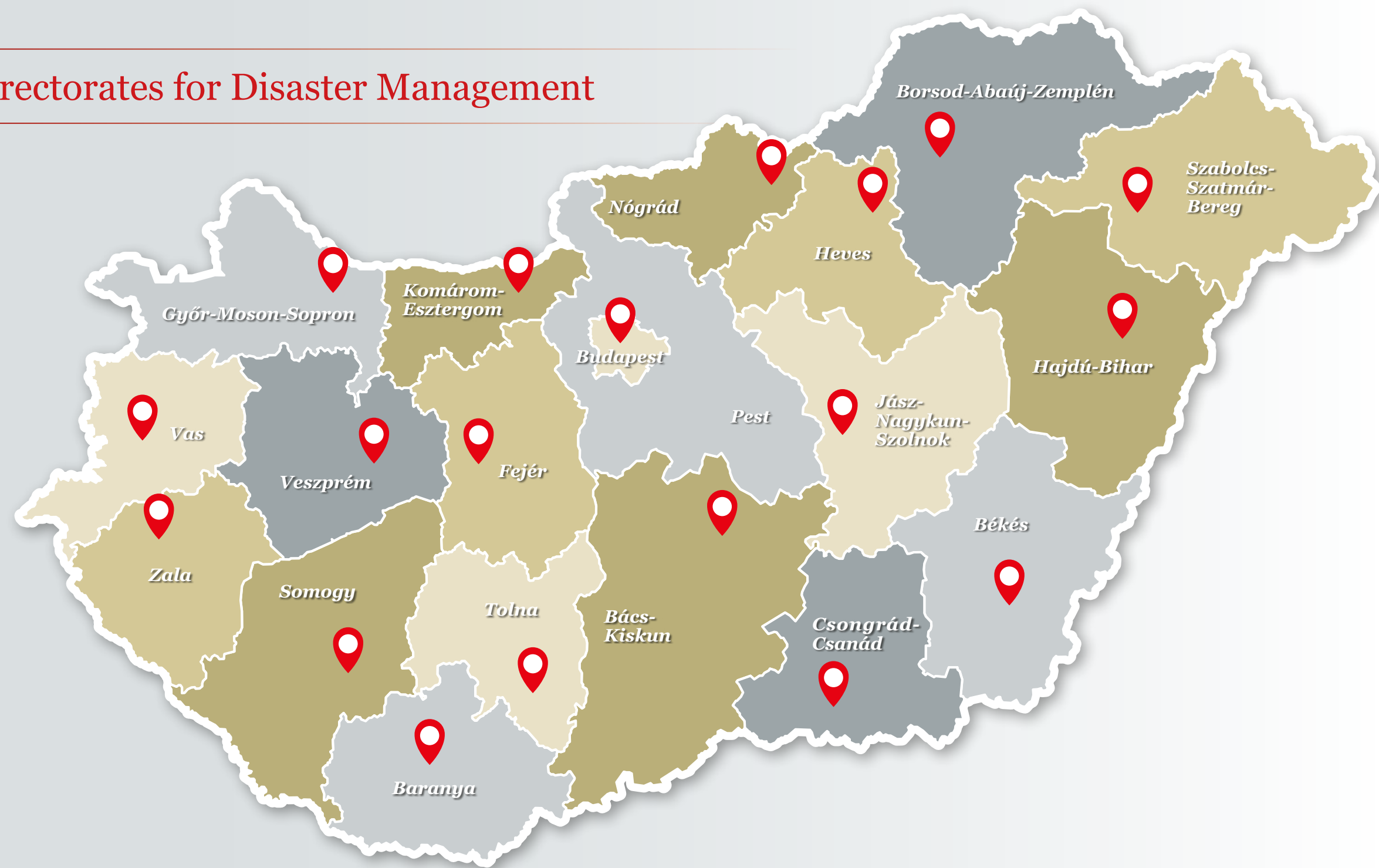
► New interface, new possibilities. Disaster Management launched its Twitter account on June 15th. Among the social media interfaces, we communicate here in the most official tone, primarily targeting our international partners.

► Disaster Management has been using the Youtube video sharing interface since May 18, 2020. We posted 189 videos that brought 7,605 subscribers to the organizational channel, with nearly one million viewers meeting with the contents of disaster management in recent months. Most, nearly a hundred thousand were curious about a material on rescuing ducks. The second most watched 2020 video was taken with the onboard camera of an automotive syringe in action, seen by 24 083 people. In the third, the viewer can get to know the Komondor vehicle.

► In addition to conquering new territories, it is important to keep the traditions, emphasize the results so far, and nurture and preserve the old and stable relations. We still have a monthly newspaper, paying tribute to the achievements of the past, the heroes and those working in the background. We have been accompanied throughout the year by our quest to bring the body closer to humans and give faces to heroes.



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County Directorates for Disaster Management

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