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## DISASTER MANAGEMENT



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NATIONAL DIRECTORATE GENERAL  
FOR DISASTER MANAGEMENT  
MINISTRY OF INTERIOR

## Foreword

**M**any years of tradition are continued by the disaster management when it summarizes the events of the previous year in a book. So is this for 2017 too. In the life of such a large and diverse organization, it is important to review and summarize from time to time what were the memorable events and interventions of the previous year and what activities will have a long-term impact on the population. The goal here is that all those who are interested in the activity of disaster management or will be looking for it later would have a comprehensive picture of how nearly a dozen thousand of people have been involved this year at national and regional levels. We tried to present this, together with pictures, diagrams and statistics.

For a publication that focuses on the long-term events and moments, the selection is always the most difficult is the most difficult task. It is difficult to find activities from the countless activities and to grab a detail from the tens of thousands of things that are not interesting only in the short term, but also would be a valid imprint of everything that was disastrous for both the lay and the concerned after years. You may choose from the many hundreds of authorities that many small mosaics would give you a full picture without getting lost in the forest of details. However, it is also important to highlight those damages that are memorable for some reason: whether it is the weight, complexity, or unusualness of the event.



It is difficult to create an easy-to-see picture of an organization that has a number of core activities – among fire protection, civil protection and industrial security – in important areas such as water and water protection, mosquito breeding, or chimney sweeping. But one may not go without saying anything besides the works that are essential to the whole operation. There is a need to talk about the work of the economic field, which, besides its daily routine tasks, also involves tasks related to different projects. But we also need to

mention the IT and GIS support work, as no decision can be made without them in the 21st century. Beyond that, there is no such thing as a well developed human activity, a good training system and no office work, but the role and importance of careful control and effective communication are also unquestionable. So it seems that we almost have an impossibly difficult task with the compilation of this publication. Disaster management, however, is the organization that does not know or cannot know impossible. So we trust that this time we manage to cope with the task.

We are able to show the challenges that each day the national body had to meet and what tasks were solved by the individual counties. Since there was no event with a similar size as the flood of 2013 in the Danube, but there are no corners in the country where it would not have to deal with flash floods or weather damage. It is also inevitable that firefighters need to be involved in major fires and major accidents from time to time. These cases have put the interveners to the test, as well as those who direct their work. And, of course, those in the authority areas did not spare the past year either. The number and significance of the fire and water authority tasks have not diminished, many of the key investments and priority events have increased the number of challenges. Additionally, the role of information security increases year by year, and it is also necessary to create

an independent field of expertise. The work involved in the preparation and implementation of innumerable developments means a pleasant burden, all of which aim to strengthen the security and peace of the population. Whether it is about building a new barrack or building a larger-scale IT system. Many would change with us when selecting candidates for training leading to the field, as many people still want to become part of the disaster management system. There are too many applications for the modular firefighter trainings as well as for the various faculties of the Institute of Disaster Management of the National University of Public Service.

It is not only our duty to know about it. It is our task to inform citizens, since good public security is a prerequisite for the day-to-day operation of the country. It is important that the residents can be sure they can count on disaster management every day of the year, anywhere in the country. I recommend the extract of this work to the reader's attention.

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Director General



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Fire Fighter Brigadier General  
Deputy Director General



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Inspector General for Civil Protection



**György Berecz**  
Fire Fighter Colonel  
Director of the Economic Supply Center



**Márton Hajdu**  
Fire Fighter Lieutenant Colonel  
Spokesperson



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### JANUARY

**1. Colonel György Berecz** was appointed as the director of the Economic Supply Center of the National Directorate General for Disaster Management.

**11-12.** A two-day disaster management exercise was held by the Ministry of National Development. The training focused on the disaster management's current tasks related to the transport, energetic and info communication branches.

**12.** The first phase of the Norwegian Fund-funded training of security consultants supervising the rail transport of dangerous goods was completed at the National Directorate General for Disaster Management. This month, a training related to water transport (ADN) sub-sector has also started.

**13.** Due to winter weather in the country, firefighters



had to intervene hundreds of times, more than twenty roads in the North and West Hungary regions had to be closed, and in ninety-five settlements of seven counties almost eighteen thousand citizens remained without power. On 20 January, eight firefighters were allowed to receive recognition for their extraordinary efforts in the emerged situation at the Ministry of the Interior.

**18.** The details of the project "Agricultural Water Use Information and Control Framework" that would be ended by December 2018 were discussed by representatives of the consortium at the National Directorate General for Disaster Management

**21.** Four members of the Crisis Intervention Team of the Disaster Management travelled to Italy to help process the tragedy for the survivors of the Verona bus accident and the students' relatives.

**24.** An earthquake of 2.2 magnitude on the Richter scale occurred at 13:18 p.m. in the southern part of Budapest, about three kilometers deep. The earth movement was perceived by the population as well.

**31-2. February** On the thirtieth in the afternoon, the National Meteorological Service issued a second-level alert on several parts of Pest, Bács-Kiskun, Fejér, Somogy, Tolna and Baranya County due to the danger of drizzling rainfall and eight counties with a first-rate alarm. By the time the orange alarms turned red, they also issued a third alarm on the capital. The next day, the precipitate of such composition was south of the Győr-Budapest-Debrecen line and the zone left the country on Thursday.



### FEBRUARY

**3.** In the nine sections of the Institute's Scientific Students' Conference, announced by the Faculty of Academy of Military Defense Training and the Institute of Disaster Management of the National University of Public Service, fifty-eight projects have been presented by students interested in scientific life. The students who completed the scientific work submitted their research results to the jury on 3rd February.

**9.** The National Directorate General for Disaster Management held its annual, task-oriented staff assembly. At the event, the State Secretary for Local Authorities of the Ministry of Interior declared that the goals set for 2016 for disaster management were fulfilled.

**14.** The Director General of the National Directorate General for Disaster Management and the Head of Human Service greeted **dr. József Pethő** retired lieu-

tenant general on his 100th birthday at his home. The ex-colleague, a former teacher of the Firefighting School, retired in 1972 after thirty-three years of service, reaching the upper age limit.



**14.** Eighty eight students of the Disaster Management Education Center finished their studies at the Firefighter 2 training. With the modular system of vocational training, with the deployed officers this day, more than one thousand and one hundred students have received a new type of part-qualification.

**15.** From that day Colonel **dr. habil. Gyula Vass** was appointed as the director of the Institute of Disaster Management of the National University of Public Service.

**16. Dr. Sándor Pintér**, Minister of Interior of Hungary appointed **Colonel dr. Balázs Bognár**, Head of

Department for Critical Infrastructure Coordination of the National Directorate General for Disaster Management as the new director of Vas County Directorate for Disaster Management.

**17.** According to the announcement of Kövesligethy Radó Seismologic Observatory a smaller, 2.4 magnitude Richter scale earthquake occurred at 21:39 in eight km depth near Bábolna, in Komárom-Esztergom County.

**21-22.** The second planning conference of the EUrban Water Aid project was held in Budapest.

**22.** Twenty students took an officer cadet oath at the National Directorate General for Disaster Management. The first-year full-time students of the Institute for Disaster Management of the National University of Public Service are the first to complete the necessary conditions and examinations in this special law enforcement relationship.

**23.** The Deputy Director General Meeting of the National Directorate General for Disaster Management and the Slovenian Civil Protection and Disaster Relief Directorate was held on the seventeenth occasion in Zalakaros. The event was attended by the directors of Vas and Zala County Disaster Management Directorate.

**24.** Members of the HUNOR and HUSZÁR professional rescue organizations had a two-day theoretical training in the education center of the disaster management in Pécel. The training aimed to prepare the staff for the UN INSARAG re-classification.

**27-2 March** The contingent of the HUSZÁR voluntary rescue organization visited Estonia with forty-two members. The Hungarian team provided assistance in an imaginary, earthquake and tsunami-hit country. In the EU-MODEX exercise, a team of volunteers and professionals and students from the National University of Public successfully completed the assigned tasks.



### MARCH

**1.** From that day, firefighters of the Voluntary Fire Association of Nagycenk can intervene and carry out technical backups without the presence of professional firefighters. The organization received this mandate in fourth place in Győr-Moson-Sopron County. The inauguration ceremony of the association was held on 25 February.

**10.** National forest and outdoor firefighting master exercises were held for professionals for the forest firefighter operative staff in Tata. In addition to the experts in the field of disaster management, several staff members of the National Food Chain Security Office Forestry Directorate and the commander of the 25th Klapka György Landing Exercise Squadron of the Hungarian Military participated.

**14.** A ceremony was held in the Ministry of Interior and the National Directorate General for Disaster Management in memory of the Revolution and War of Independence of 1848-49.

**16.** From that day Lieutenant Colonel **Tibor Seres** was appointed as the director of Nógrád County Directorate for Disaster Management, as a colonel.

**20.** The National Directorate General for Disaster Management has conducted a technical consultation on the protection and preparedness of water damages in the Small Circuit Phase of the Central Tisza Water Management Directorate.

**21.** With the intention of creating a tradition, an irregular meeting was organized by the NDGDM Deputy Direc-

torate General. The meeting was attended by representatives of the police, the army, representatives and leaders of different administrative bodies, and the leaders of trade associations, chambers and professional associations.

**24.** There was a successful resuscitation in the morning by two firefighters of the professional firefighter headquarters in Sárvár: at the bus station next to the barracks, an old man felt ill, when the brothers, Master Sergeant **Krisztián Veicz** and Master Sergeant **Vilmos Veicz** saved the man's life with the semi-automatic defibrillator placed at the headquarters.



**24.** The new barracks of Szarvas was opened. The functional and energy efficient building was created with a 440 million forints investment at a place ensured by the local authority .



### APRIL

**1.** The Nagykálló Voluntary Firefighter Association became the country's forty-second and Szabolcs-Szatmár-Bereg County's fortieth firefighter association capable of individual intervention..

**1.** The storm warning season started on lake Balaton, lake Velence, lake Fertő and lake Tisza lake that lasts until the thirtieth of September.

**4-5.** The Hungarian–Slovakian Joint Committee on Disaster Management held its 18th meeting in Dunaszerdahely.

**4-6.** In the framework of the EUropean Water Aid project, the NDGDM held an international flood defense exercise with almost four hundred people in Szabolcs-Szatmár-Bereg County. The purpose of the exercise was to develop flood defense capabilities, to practice the coope-



ration of the volunteer rescue teams and the water purification units. The co-operative partners of the training were the Budapest Waterworks, the Fire and Rescue Presidency of the Ministry of Interior of Slovakia, the Belgrade Waterworks, and the Croatian National Defense and Rescue Directorate.

**10-11.** The " Wanderer 2017" joint public service exercise was held at the National University of Public Service, attended by twenty-one instructors of the Disaster Management Institute and all the full-time staff of each of the three full-time students, as well as nearly 150 graduate students attending Master's Degree.

**19.** The Hungarian–Croatian Joint Committee on Disaster Management held its annual meeting at the National Directorate General for Disaster Management in Budapest.

**From 19** for a few days the winter of April gave a lot of work to the disaster management. Because of the snow and the stormy wind, trees fell in many places, branches broke down, traffic jams and power were interrupted.

**21.** The Ministry of Interior and the Directorate General also held an early firefighter day celebration.

**21-23.** The HUSZÁR volunteer rescue organization had an exercise in Kaposvár. The rescue team members solved alpine technology, scrap research, base of operation and logistics issues.

**22.** The 7th Police and Fire Day was held in the City Park. As part of the program, the National Finals of the

ascending system Youth Disaster Management Competition was also held.



**25-26.** The NDGDM organized for the first time the nationwide "DISASTER 2017 RID" (RID) railway control action. During the two days more than 1700 rail vehicles were checked.

**26-27.** For the thirty-eighth time, the leaders of the European Union's disaster management organizations met in Malta. At the meeting, Hungary was presented by Major General dr. Zoltán Góra, Director-General of the National Directorate General for Disaster Management.

**28.** The city of Baja, Dunaújváros, Érd, Karcag, Kazincbarcika, Mátészalka, Nagykanizsa, Orosháza, Ózd, Pápa, Pécs, Sárvár and Szigetszentmiklós received new Rába-Heros Aquadux X-4000 fire syringes for almost two billion forints. In addition, the Pápa headquarters also received a thirty-four-meter IVECO-Magirus high-rescue ladder vehicles.

### MAY

**1.** By the Zsámbék Voluntary Firefighter Association becoming self-intervener, the number of associations that may intervene in the event of a fire or damage without the professional firefighters may be increased to nine in Pest County.

**10-23.** The Hungarian Standards Board conducted the first audit of the standard certification of the disaster management quality management system.

**15-19.** The UN INSARAG re-classification of the HUNOR professional and the HUSZÁR voluntary rescue organizations was held in Hajdúszoboszló. The former team received the heavy and the latter one the medium category urban search and rescue for the next five years.



**19.** Following the five regional races, it turned out in Zánka's national championship who are the best drivers

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in the disaster management. In the category of administrators, the Csongrád County pairs, and among the leaders of the standby, the Economic Suppliers Center triumphed.

**19-20.** For the fourth time, the best athletes in the disaster management staff gathered in Zánka to attend the events of the National Athletics Championships and the National Directorate General Disaster Managements' Sport Days.



**22-24.** The V4 countries' disaster management directors general meeting was held In Czestochowa, South Poland,

among which fire cases, carbon monoxide, stress and youth education were also dealt with by the participants.

**23.** Storm hit several points of the country on the twenty-third afternoon. Most of the damage occurred in the capital and parts of Pest County. There were more than six thousand announcements for the disaster management operations centers, but less intervention was needed.

**23-25.** A national DISASTER ADR road control action took place. The experts checked over four thousand and three hundred vehicles over the three days, of which the number of wagons covered by the ADR exceeded nine hundred.

**25.** The accident of a passenger car, autobus and a tanker carrying a dangerous material was simulated by the exercise taken at the M70 highway in Letenye to prepare for transit traffic in the summer.

**28.** "Open Doorway Doors 2017" - on the occasion of the children's day the doors of the country's fire brigades opened. More than ten thousand children visited the fire brigades.

**28-31.** In the town of Porec, Croatia, the Croatian Disaster Management and the Budapest Waterworks Ltd. organized the fourth, final workshop of the EU Water Aid project. In addition to the organizers at the professional meeting, the project leader NDGDM, Szabolcs-Szatmár-Bereg County Directorate for Disaster Management, the Slovak and the Serbian Disaster Management and the representatives of the Belgrade Waterworks participated.

**31-2. June** The Hungarian National Committee of the CTIF organized a successful forming meeting of the CTIF Fire Investigation Working Group in Budapest.

### JUNE

**1.** From that day on, the Réde Voluntary Firefighters Association operating in Komárom-Esztergom county can intervene independently. The team responsible for rescue fire in the eight settlements received this certificate at the 3rd County Firefighter Meeting and Competition on 20 May. In the county of Zala, an association started its operation independently as well, and the voluntary firefighters association in Kemendollár was the fifth in the county. The certificate for the independent intervention was taken over by the county councils responsible for the protection of the two villages on the seventeenth of June.

**1.** The nationwide mosquito thinning program was held until the third week of August. In the summer of 2017, a total of seven hundred and fourteen thousand hectares were covered by aviation and earth, chemical or biological methods.

**7-8.** National audit was carried out on the Hungarian section of the Danube area by the experts of disaster management and co-organs. In the action called "DISASTER 2017 ADN", which monitored compliance with the rules on the transport of dangerous goods by water, a total of thirty vessels were inspected by professionals, of whom seventeen vehicles fell under ADN rules.

**8.,29.** The jury made their proposals for support that were approved by the Director General of the National Directorate General for Disaster Management. So in 2017, five hundred and fifty-three voluntary firefighter associations and one hundred and nine voluntary rescue organizations could apply for funding.

**9.** The prizes of the 17th Dr. Imre Balogh's Emblem Award were distributed. The creator of the winner proposal dealt with the possibilities of using the multi-purpose strap in Hungary, and two colleagues could receive a special prize.

**11., 22.** A smaller, 2.4 magnitude earthquake on the Richter scale occurred near Ugod in Veszprém county. The earth movement was not perceived by the population. On the twenty-second, , there was an earthquake of 2.1 magnitude near Nagykanizsa The population did not feel anything at all in that case.

**12-15.** The successfully UN INSARAG re-classified





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HUNOR professional rescue organization participated in an international exercise in Portugal in May with fifty-nine people and two search dogs.

**15.** A harvest conference was held at the University of Kaposvár. Among other things, the focus of the meeting was on agricultural machinery, whose continuous maintenance would prevent seasonal fires.

**20.** As part of the professional programs of the Ministry of Internal Affairs Forum, the Minister of Defense of Bosnia and Herzegovina and the Ambassador of Bosnia and Herzegovina in Budapest visited the National Directorate General for Disaster Management. The delegation was welcomed by the leaders of the Directorate General.

**24.** In spite of the high heat, hundreds of people visited the Central Museum of Disaster Management in the Museum of Night.

**28.** The issuing ceremony of the firefighters was held in the Disaster Education Center.

**29.** In the morning, 91 correspondents, and in the afternoon of twenty-four full-time students of the Disaster Management Institute of the National University of Public Service received a degree from the Rector.

### JULY

**1.** The Faculty of Police Science of the National University of Public Service and the Institute of Disaster Management kept their common official celebration at the Castle

of Buda in Kapisztrán Square. From the two hundred and twelve graduates of the university, twenty-four of them went to the National Directorate General for Disaster Management.



**1.** On 1 July, the Minister of Interior announced the so-called "permanently deprived water period", thus introducing special rules on water supply.

**3.** The final ADR course of the first semester of this year was completed, with the successful exam of twenty-five disaster management experts. They started their training three weeks earlier.

**9-16.** Hungary was represented by more than 120 people by ten teams and nine judges at the Firefighter Olympics in Villach, Austria.



**10.** The NDGDM launched a revised, more colorful version of the Emergency Notification Service (VÉSZ).

**11-14.** With the participation of thirty countries, this year's CTIF (International Firefighters Association) was held in Villach, Austria.. The Hungarian National CTIF Committee participated in a three-member delegation at the meeting.

**16-21.** In 2017, the Deputy State Secretariat for Human Resources of the Ministry of Interior also organized a campaign to promote the law enforcement field for disadvantaged young people. The students visited the professional firefighters at the airport on 18 July.

### AUGUST

**3.** There was a fire in the noon hours in the southern part of the Hortobágy National Park at the edge of Nagyiván, a total of about a thousand hectares were in flames.



More than eighty firefighters fought with the fire, and the helicopters of the army dropped the burning undergrowth, reed and primaries out of the air. By the morning of 4 August, after about a day of work, the fire was put out.

**17., 18.** On the occasion of our national holiday, on the 20th August, the State Secretary of the Ministry gave acknowledgments at the ceremony held in the Ministry of Interior on 17 August. The following day they held a ceremony at the Directorate General, giving first official appointments, round anniversary birthday gifts and acknowledgments.



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**25-26.** Following the tradition, Békés County hosted the TFA (Toughest Firefighter Alive) International Firefighter Championship for the fourth time. In 2017, one hundred and sixty-one firefighters arrived from six countries to the international competition.

**28-30.** A total of two hundred firefighters took part in the 11th National Firefighter Challenge. Among the professional teams among the Szolnok, among the municipalities the Tótkomlós, in the competition of the facility units, the firefighters of the nuclear power plant and among the self-intervening volunteer firefighters category the team of Hosszúpérezsteg proved to be the best.



**31.** The Hungarian Fire Association, in cooperation with the National Directorate General for Disaster Management, donated a two thousand liters renewed fire truck to the settlement of Homoródalmás in Romania. The truck was taken over by the mayor of the settlement in Debrecen, under a ceremonial setting.

### SEPTEMBER

**1.** From that day on, the Zagyvarékas Life Sign Voluntary Fire Association in Jász-Nagykun-Szolnok County, third in the county, can perform firefighting tasks independently, without the presence of professional firefighters, forty-sixth in the country. This certificate was ceremonially handed over on 31 August.

**8.** The Director General of the National Directorate General for Disaster Management handed over acknowledgements for the work on the fire in the Hortobágy at the beginning of August.

**15.** Twenty County Disaster Management Directorates took over a smoke machine from the support provided by the Generali for the Security Foundation for four million forints.

**18-19.** SEVESO 3 professional days were held three times a year, on 18-19 September, 16-17 October and 19-20 October.

**18-22.** One-week professional training took place for delegates of Sudanese law enforcement agencies in the Pécel's facility of the Disaster Management Education Center.

**21.** Twenty-five brand new, domestic-made syringes and five fire trucks with professional fire service background were handed over in the Heroes field in Budapest. The prototype of a water transport vehicle designed by the Hungarian syringe company was also presented at the event.



**22.** For the second time this year, Groupama Insurance allowed the organization to develop a total of two hundred firefighter to develop their skills in the company's training camp.

**23.** The national staircase competition was held for the eighteenth time in Budapest, at SOTE's Nagyváradi Square. The individual absolute category was won by Zoltán Benőcs, firefighter of the FER Fire Service of Tiszaújváros. In the absolute pair tournament competition, Major Csaba Farkas and Captain József Sági, firefighters at the Vác disaster management office proved to be the fastest.

**24-27.** A Hungarian-Mongolian Directors General meeting was held in Budapest. The Director General of the Mongolian Emergency Management Agency was received by the Director General of the NDGDM.

**26-28.** A three-day, nationwide DISASTER ADR action took place. During the second large-scale inspection series of the year, a total of three thousand eight hundred and fifty-three vehicles were surveyed at one hundred and thirty-seven sites, with some 10% of errors or deficiencies.



**29.** The delegation of the Vietnamese Fire and Rescue Directorate General led by Major General Do Minh Dzong, Deputy Director-General visited the National Directorate General for Disaster Management.

### OCTOBER

**2.** The new 150-hour foreign language training began with the promotion of executive, non-commissioned staff, the support of the acquisition of a diploma, and the opportunity to appoint a senior officer at the International Educational Center.

**3-6.** On the EU field exercise in Lubniewice and its surroundings in western Poland, Hungary was represented by the Hungarian Water Aid Unit of the Mobile Water Purification Unit of Budapest Waterworks.

**4.** Seven years ago, the biggest ecological disaster in the history of Hungary, red sludge occurred on that day. The sludge spilled from the damaged reservoir of the MAL Ltd. It virtually swept Kolontár in its way, and part of Devecser and Somlóvásárhely.

**4-5.** A two-day professional workshop was held by the civil protection inspectors in one of the flood-endangered areas of the region, in Beregdaróc, Szabolcs-Szatmár-Bereg county.

**11.** A few days before the World Natural Disaster Reduction Day, before the thirteenth of October, a national blood donation was organized by the disaster management. One thousand twenty-four members of the organization, made donations this year.

**13.** The National Directorate General for Disaster Management made a cooperation agreement with the Hungarian PB-Gas Industry Association.

**19., 20.** On the nineteenth at the Ministry of Interior, on the twentieth at the National Directorate General for Disaster Management a commemoration was held on the occasion of the 23th anniversary of our national holiday, the 61st anniversary of the 1956 Revolution and War of Independence and the 28th anniversary of the proclamation of the Republic.

**26.** "The human factor in the field of IT security" workshop was held on 22October by the National Directorate General for Disaster Management within the European Cyber Security Month.

**26.** A rail accident with mass injuries was simulated in Székesfehérvár. Almost fifty professional firefighters and more than forty voluntary students in public service from the three counties of the NDGDM and Fejér County Directorate for Disaster Management and MÁV Ltd. participated in a joint exercise.



**25-26.** In a two-day DISASTER RID action, specialists checked the transport of dangerous goods by rail. Two thousand five hundred and seventy-four vehicles were controlled, of which one thousand two hundred and eighty-four belonged to the RID. Irregularities were detected in nineteen rail wagons.

**27. Krisztián Erdélyi**, Deputy Director General of the National Directorate General for Disaster Management took over his appointment as a brigadier general from the President of Hungary in the Sándor Palace.

**29.** According to the meteorological forecast, Hungary was hit by the storm. Citizens asked for firefighters help for two and three hundred times in a day and a half. In addition to professional firefighters and municipal firefighters, voluntary associations and rescue organizations participated in the elimination of the damages.



**30.** The Directorate General held a meeting for the organizations concerned with the consequence management of the extraordinary winter weather. The meeting was attended by representatives of the police, the army, the National Meteorological Service, the Hungarian Red Cross, the Ministry of Human Resources, the Ministry of National Development and the Hungarian Roads Nonprofit Ltd.

**31.** The Hankook Tire Hungary Ltd. donated tires for the sixth time to the organizations supported by the company. Among the beneficiaries of the donation program this year was the NDGDM.

### NOVEMBER

**6-9.** The county mobile labs competed their knowledge in a national competition. Finally, the Airport's Mobile Laboratory of the Capital Directorate for Disaster Management proved to be the best at the competition organized by the NDGDM's industrial security specialty and the National Radiation Emergency Response Service, ahead of the Zala County Unit and the Békés County Team, which was the third in a close competition. The announcement of the results was held on the twentieth.

**7.** A consular day was held at the Directorate General. Forty nation diplomats came to the meeting.

**9.** An international disaster-elimination co-operation exercise took place in Komárom, on the banks of the Danube. The Hungarian and the Slovak firefighters jointly rescued passengers from a "troubled" hotel ship.



The participants had to remove the pollution in the river and also had to settle the accommodation of the evacuated tourist during the exercise.



**12-15.** The director of the Defense and Rescue Directorate of the Republic of Macedonia officially visited Hungary. The director studied the Hungarian disaster management in details.

**14.** The Hungarian representative of the German WEBER-HYDRAULIK GmbH. handed over special emergency rescue equipment to the Disaster Management Education Center to help prepare the experts for the technical rescue.

**15., 18.** In preparation for the dangers of the winter season, on 15th in Budapest, on 18th in the area of Mátraszéktimre a field exercise was held. The members of the voluntary firefighter associations and rescue organizations were also involved into the latter exercise.

**16.** An international scientific conference called “Disaster Management 2017” was held at the Directorate General. More than 100 people attended to the event that was organized by the Disaster Management Institute of the National University for Public Service. Besides the current professional issues, the decade-long history of the Aviation League and the Hungarian Civil Protection Alliance was also discussed at the conference, as well as the relationship between the two organizations.

**27-28.** The Hungarian–Romanian Joint Committee on Disaster Management held its 9th meeting in Bucharest. Major General **Dr. Zoltán Góra**, Director General of the National Directorate General for Disaster Management was welcomed by Colonel **Daniel Marian Dragne**, General Inspector of the Emergency Management Inspectorate General and his two deputies.

**29.** Colonel Kornél Szilvay, the former fire chief of Budapest, the developer of the dry-out process was commemorated at the Capital Directorate for Disaster Management.

**30.** The Fire Protection Advisory Committee held its meeting at the Disaster Management Research Institute.

DECEMBER

**1.** Colonel Kornél Szilvay, the former fire chief of Budapest, the developer of the dry-out process was commemorated at the Capital Directorate for Disaster Management.

**6.** Fifteen domestic manufactured syringes and two new high rescue vehicles were handed over at the Directorate General for more than two billion forints. At the ceremony, the members of the Parliament's Defense and Law Enforcement Committee also attended the meeting, which was held at the Directorate General.



**11.** The associations and rescue teams that were contracted with the Capital and Pest County Directorate for Disaster Management were the first in the country to receive the equipment and tools obtained through a tender. In the central budget of 2017, six hundred million forints were available to support voluntary firefighter associations and voluntary rescue organizations.



**12.** The Hungarian–Slovenian Permanent Joint Committee on Disaster Management held its eighteenth meeting at the Slovenian Civil Protection and Disaster Relief Center in Ig, Slovenia.

**15.** The E.ON Hungária Ltd. donated a thousand pairs of electric shock protection gloves, and 20 pieces of carbon monoxide gauges to the firefighters.

**18.** The CTIF Hungarian National Committee held its usual annual meeting. At the meeting, members of the International Fire Association's various working committees reported on what happened at the foreign conferences and about the tasks carried out by the National Committee and the events expected in 2018.

**20.** The disaster management's currently active and retired leaders met for the eighth time at the National Directorate General for Disaster Management.

# Deputy Directorate General Organization

The decisive element of the work of the Deputy Directorate General last year was the planning, preparation for the various events and their implementation. The common denominator of these tasks is the pursuit of security, and the field of expertise has been measurable at territorial, national and international levels, the main beneficiaries of which are citizens.

2017 was an important station in the life of the voluntary organizations. All county rescue organizations were successfully re-qualified. After a very serious preparations, the HUNOR and the HUSZÁR rescue organizations received the UN INSARAG classification again. The former is classified in the heavy, and the latter is in the medium search and rescue category for another five years to become deployable within the borders, but even abroad.

More than eighty countries and eleven international organizations participated in the international ConvEx-3 nuclear emergency response exercise between 21 and 22 June. The Director-General of the International Atomic Energy Agency assessed the highest exercise as "perfectly fit".

In 2017, eight new volunteer firefighters were granted the self-intervention mandate, and several professional fire services received new professional Rába-Heros Aquadux X-4000 syringes. Significant progress towards the implementation of a unified international fire investigation that the Fire Investigation working group of the International Firefighters Association was established by the Hungarian initiative and leadership.

Firefighters demonstrated their knowledge and dedication in the 11th National Firefighter Challenge. At the end of summer, two hundred members of thirty-two teams measured their strength against each other in Csopak.

There were several large-scale exercises in 2017: fire and rescue work on the M70 motorway in co-operation with the consulates, a disaster management cooperation with rail damage at Székesfehérvár railway station and a firefighting exercise at a hotel ship in Komárom. The crew of the fire services participated over ten thousand exercises during the year.

In spite of its decisive role, the field of central duty service has done a thorough job. The employees in this field have become an integral part of the ESR-112 system and have continuously developed their knowledge of their operations management and international obligations.



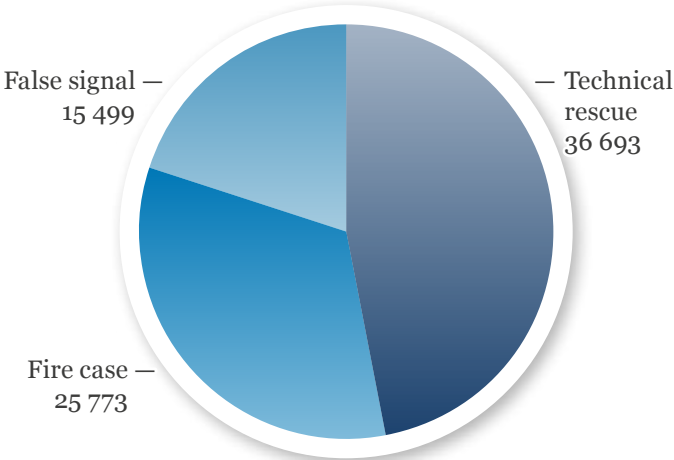
*Krisztián Erdélyi*  
Fire Fighter Brigadier General  
Deputy Director General

One of the most important objectives of the firefighter specialty in 2017 was to strengthen the voluntary firefighter movement, increase the number of self-interveners and their role in the rescue fire protection. In the last year, eight volunteer associations have won the right to intervene individually, so there are now forty-six such teams in the country. During the year, five associations received a 53 million forints worth of MB-RB TLF 1000 type of vehicle syringes, which was previously used in a professional fire department, and was first renewed.



The specialty area has put special emphasis on training and exercises last year as well. On 10 March, a training was organized for the national forest firefighter operative body in Tata-Agostyán. Between 19-21 April the standby crew held a methodological preparation about the renewed daily training and the holding of the exercises for the authorized firefighters. More than five hundred

Intervention data of 2017



and fifty participants attended the training. The field held three nationwide exercises during the year: one on the M70 motorway, the other on the railway station in Székesfehérvár and the third on the Danube section in Komárom.

Distribution of events in 2017 according to the nature of the intervention	Fire case	Technical rescue
Intervention requiring action	20 820	33 868
Eliminated before arrival	3 258	2 741
Intentionally misleading sign	472	75
False sign	11 169	4 330
Subsequent sign	1 223	9
In total	36 942	41 023



# Deputy Directorate General Organization

Between 27-29 August the 11th National Firefighter Challenge was held in Veszprém county, with more than two hundred firefighters. Among the professional teams the Szolnok Fire Department, among the municipalities the Tótkomlós, among the facility units the nuclear power plant firefighters and among the voluntary firefighters the Hosszúpereszteg team proved to be the best



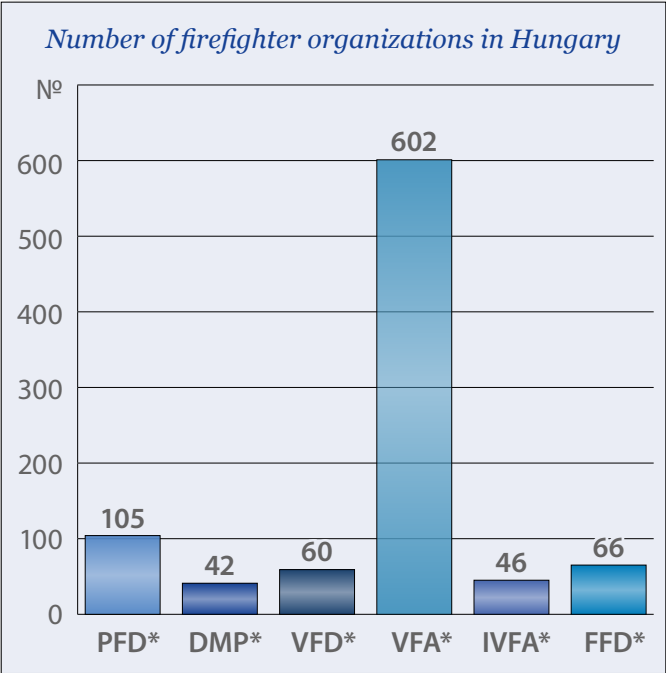
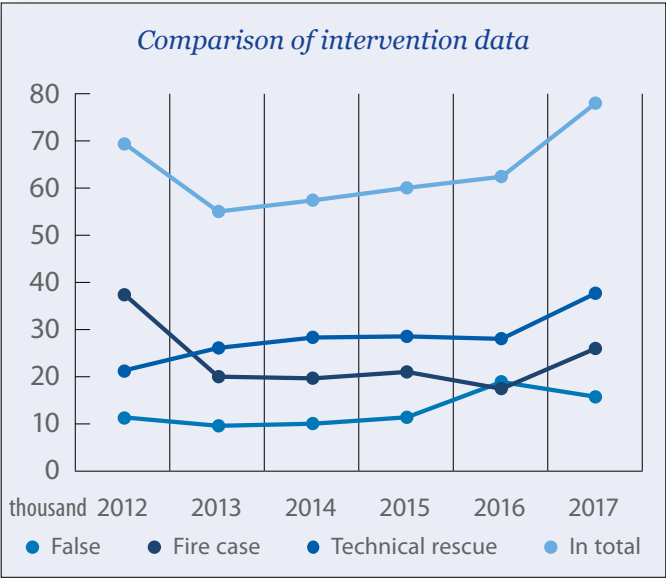
To get acquainted with the international experience, the staff of the field have participated in several international professional conferences and trainings, and have collected a number of useful experiences, such as forest fire protection and fire extinguishing, the use of built-in automatic extinguishing systems, fire protection of historic buildings and the prevention of carbon monoxide poisoning.

The nationwide and county fire prevention committees had a successful year, they participated at a total of 1120 events nationwide. The "Open Fire" contest was successfully completed, with almost seven thousand freehand

drawings, computer graphics, other handicrafts, fairy tales and poems.

The series of conferences presenting the work of the great predecessors continued. In last November, the profession and the interested ones commemorated Kornél Szilvay, the father of the dry extinction. No sporting life was interrupted. Hungary was represented by 130 participants at the CTIF four-year-long firefighting Olympics.

The focus of the activities of the **civil protection** area in 2017 was the reclassification of rescue organizations. In May, the HUNOR professional rescue organization received its third, the HUSZÁR volunteer rescue organization received its second UN INSARAG classification, which



means that both teams can be deployed in foreign missions in the next five years. The HUNOR's performance is outstanding, as besides of Hungary only the United States and the United Kingdom have a three-times classified rescue organization. International training did not exclude the lives of the teams. The HUNOR participated in Portugal, while the HUSZÁR participated in Estonia in a search and rescue exercise.

The five-year reclassification involved twelve county volunteer rescue organizations as well. With the exercises carried out, the number of volunteers who are members



of a national qualification team has risen to over twenty thousand. The organizations provided assistance about two hundred times in case of an emergency and participated in the nationwide winter training exercise in the Mátra, which made the site of April's extraordinary snowfall safe for the population.

Within the framework of the KEHOP project, the HUNOR has acquired new special clothing and equipment. The EU Water Aid project was completed, with

\* PFD = Professional Fire Department  
DMP = Disaster Management Post  
VFD = Voluntary Fire Department  
VFA = Voluntary Fire Association  
IVFA = Intervener Voluntary Fire Association  
FFD = Facility Fire Department



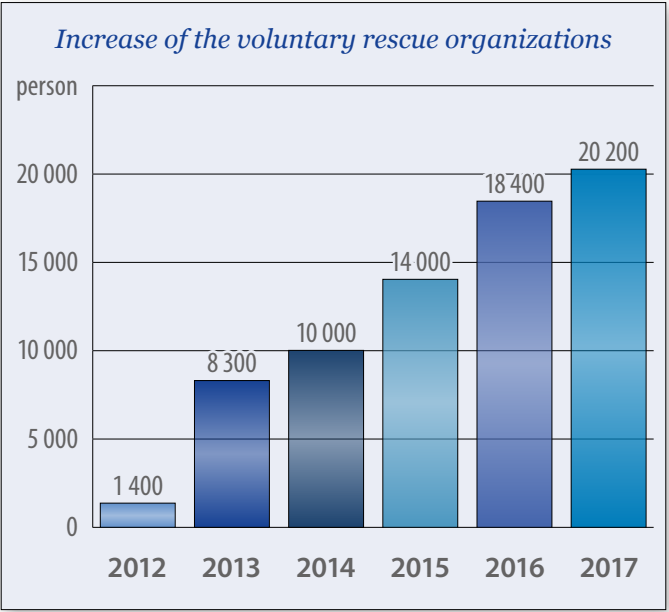
# Deputy Directorate General Organization

over four hundred people attending an international flood protection camp in Szabolcs-Szatmár-Bereg County, creating a professional dictionary and a handbook on emergency water supply.



The disaster management is still popular among the youth. In 2017 approximately twenty-three thousand students completed the community service for maturity in the organization, and a total of five thousand pupils participated in the various stages of upscale youth competition.

In order to make prevention and event management more efficient, the civil protection specialty has reviewed the risks to each settlement. Following the processing of the experiences and the assessment of natural and civilization changes in the environment, four settlements have been classified into a higher risk class.



In March 2017, the Directorate General under the National Emergency Management Center of the Disaster Response Coordination Intergovernmental Committee carried out a core management exercise covering the defense management system to prepare for the management of flood events and extraordinary winter weather.

The civil protection specialty prepared the ConvEx-3-2017 International Emergency Preparedness Campaign with the involvement of the relevant ministries, attended by 83 countries and 11 international organizations. As part of the preparation, the staff of the field held defense management and nuclear emergency response preparations for the heads of government departments.

The NATO Resilience Requirements tasks were examined by the Hungarian disaster management inter-ministerial committee, and civil protection preparedness was reported by experts at the various levels of command of the North Atlantic Treaty Organization.

The staff of the **Central Main Duty Service** supported the work for the development of the Single Emergency System throughout the year, for example, by formulating professional needs. On-site assistance was provided to call center operators in receiving emergency calls for disaster management. The field of expertise has held a nationwide mass event management with the participation of county, capital city and reception centers. The experience of the exercise and the experiences of the national storm of 29 October with more than two thousand reports were processed by the organization together with the National Police Headquarters. The Central Main Duty Service oversaw the monitoring and population alert and information system, as well as the Marathon Terra system, the National Radiation Monitoring, Signaling and Control System, the Survey Network, the National Aviation Research and Rescue System. In addition, the field of expertise also provided the tasks of international communication. It participated in the CON-VEX-3 2017 exercise, and jointly with the National Police Headquarters and the National Emergency Service presented itself at the General Assembly of the European Emergency Number Association in Budapest.

Almost seven years after moving from the main building of the National Directorate General for Disaster Management, a new home for the Central Main Duty Service was renewed at the Mogyoródi street building, which helped to create a healthier, yet more efficient working environment.



The disaster management operational services have been integrated into the rescue fire protection system of the disaster management. They monitor service and the exercises numerous times, as well as engage in damage site visits and fire investigation procedures.



# Deputy Directorate General for Authority Affairs

In 2017, the authority activities of the disaster management were characterized by the legality and professionalism of the authorities, as well as conscientious and consistent planning and implementation. The incorporation of preventive authority action into day-to-day tasks, the increase of responsiveness to extraordinary events, the use of tender resources, and the capacity development of the official power and asset stock have become more serious.

In addition to the more than 105,000 licensing and 119,000 control procedures in the country, it was a major task to carry out several out-of-court procedures related to the fire protection, industrial security, water legislation and water protection, and the implementation of the procedures related to the FINA World Championships' certain locations and related facilities.

The development of IT related to the e-public administration, the elaboration of the specialty legislative environment of the General Administrative Order Act, the preparation of internal regulators and document templates and the preparation of the official staff were a top priority for the authority specialty.

In order to increase the level of security awareness of the customer-related clientele, the organization has made existing collaborations live by introducing new working methods and expanded its partnership with new agreements. In line with this idea, the Spring Authority Roundtable was organized as a tradition-building event involving professional organizations of industrial and agricultural enterprises. The area involved professional organizations in the fine tuning of regulations affecting a

wide range of society and the economy, providing extensive information on administrative law enforcement issues, issuing regular and out-of-order notifications for cyber-security of critical infrastructure operators, and providing consultative opportunities before the national audits organizations and institutions.

As a result of the regulatory tools and related measures used to prevent, reduce risks and increase responsiveness, voluntary compliance has increased and the level of protection increased.



*JM*  
Dr. Judit Mógor  
Fire Fighter Colonel  
Deputy Director General  
for Authority Affairs

In 2017, the **Specialty of Fire Prevention** carried out more than 51,000 authority procedures and more than 72,000 fire-fighting authority procedures in the country. In order to strengthen the safety of children's institutions, priority was given to improving the fire safety situation of nurseries and kindergartens.

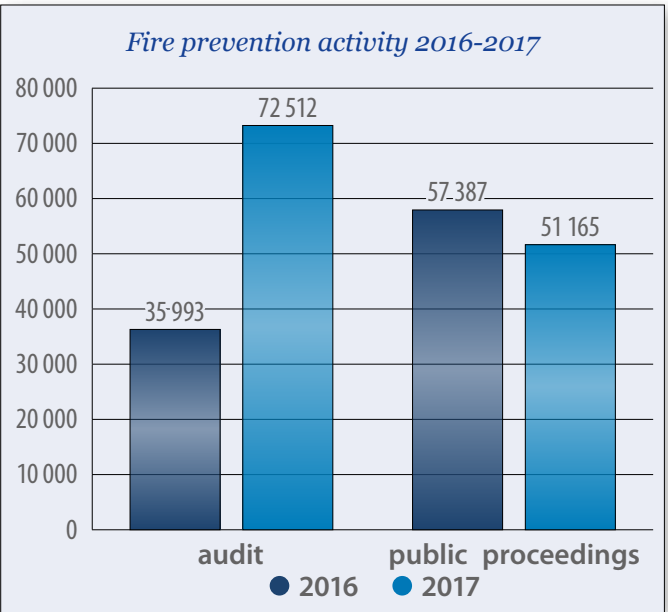


The specialty has examined the fire protection status of agricultural establishments in several phases, the fire protection regulations related to warehousing, storage activities and summer harvesting works, and in the case of facilities for the production of grain dryers, the compliance with fire regulations.

Balanced, conscious authority work focuses on prevention. As a new methodological element, fire safety consultations were held by experts before the audit series

began. Due to the strong but constructive, authority presence, the audited entities typically abide the rules, the willingness to voluntary compliance has increased.

With the application of the National Fire Protection Standards for new funds, the investor, the designer's freedom increased, the design of architecturally complex buildings became easier, more cost-effective and more flexible. The number of heat and smoke spreading and evacuation simulation techniques that support engineering methods continues to increase. In 2017 nearly 100 applications have been requested for approval. To further improve fire safety, fine tuning has begun.





# Deputy Directorate General for Authority Affairs

With the **Specialty of Dangerous Plants** the professional disaster management bodies supervised 115 upper and 136 lower thresholds and 369 hazardous plants operating under the threshold the threshold last year. In order to implement the SEVESO 3 directive and the effective prevention of serious accidents involving dangerous materials, experts evaluated the experiences of malfunctions in hazardous plants in 2017, on the basis of which a series of professional workshops were organized to increase operators' safety awareness. In the field of industrial security tutorials, the personnel carrying out the official duties were prepared for the use of the risk analysis software, the execution of model calculations and the evaluation of the results. In the context of the new powers of authority that came into force during the year – in order to establish a uniform jurisdictional practice – the specialty has issued a professional guide to the preparation and evaluation of the environmental impact assessment for disaster management.

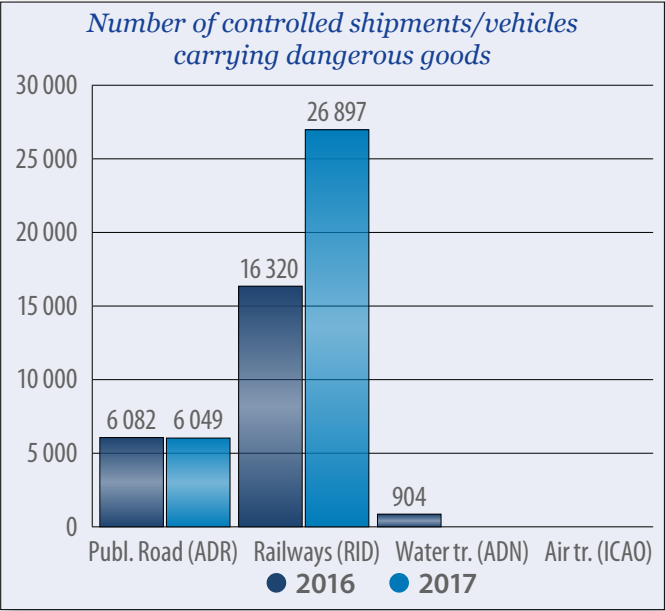
Hazardous plants	2016	2017
Plants working with upper threshold limit hazardous materials	122	115
Plants working with lower threshold limit hazardous materials	132	136
Plants operating under the threshold	377	369



In the past year, the **Specialty for Nuclear Emergency Response** has also continuously monitored the radiation situation of Hungary, provided the tasks of the early warning center, informed the population of the current radiation situation and operated the RODOS system. The specialty was actively involved in the organization and implementation of the International Convention on the Prevention of Nuclear Weapons (CONVEX-3-2017), jointly organized and highly evaluated by the International Atomic Energy Agency and Hungary. A national event of disaster management mobile labs was a major event.



In 2017, mobile laboratories carried out emergency reconnaissance in 446 cases, and were involved around 700 times in the control of dangerous goods and dangerous plants. The Emergency Radiation Reconnaissance Units provided protection by rapid detection and decision support in case of damage to hazardous substances.



Disaster management has been carrying out authority inspections of **dangerous goods transport** for fifteen years. The rights acquired initially only on the road became complete in 2012 by rail and inland waterway control in 2015. Last year, compared with 2016, the number of vehicles checked increased by 41%, and the number of detected irregularities increased by 38%. In addition to rail inspections, the disaster management, in cooperation with the border authorities, has been monitoring the dangerous cargoes of the railroad at the border crossing point of Kelebia 24 hours a day. In 2017, domestic legislation on the transport of dangerous goods was fundamentally changed and a uniform sanction system was introduced. In order to further enhance the safety of the



## Deputy Directorate General for Authority Affairs



In the area of the **protection of critical systems and facilities**, the regulations in force in six branches of the year continued to increase the number of operators registered as a vital component by the National Directorate General for Disaster Management (NDGDM). The continuity of 66 facilities was ensured by authority control of the disaster management.

In addition to carrying out information security tasks in the private sector, critical information infrastructures, information security awareness events were held at several locations in the public administration bodies. The Information and Security Center for Emergency Systems and Facilities provided 212 IT newsletters, 28 newsletters and 2 alerts to enhance the IT security of critical infrastructures.



transport of dangerous goods, the members of the official staff participated in targeted training courses, while the practical implementation issues were handled through conferences and working group sessions with the operators' clientele.



The number of **water and water protection authority** procedures is increasing year by year. With around 22,000 procedures initiated by the Authority in 2017 and nearly 15,000 resolutions of specialties have been issued. 13,000 water permits have been modified for the correct application of the changed legislation on water collection.

Over the past year, experts have completed more than 850 irrigation permits related to farmers' applications for rural development programs. 750 holdings have been subject to water protection control in order to protect water from nitrates from agricultural sources.

The Authority has ensured the lawful and safe operation of the water facilities connected with the water utilities service by means of a water management inspection through a scheduled public safety service. The uniform water quality control standard and control sample plan, which was completed in 2017, has also made progress in the field of water quality protection.

The professional management of water damage related incidents is supported by water analytical instruments installed last year for disaster management mobile lab units, which also broaden the framework for cooperation with water management authorities, while improving the responsiveness of professional disaster management agencies to extraordinary events.



## Deputy Directorate for Economic Affairs

**T**he task of the Deputy Directorate for Economic Affairs is related to all the professional areas of the disaster management, since in order for the organization to fulfill its mission reach its stated strategic goals, it is essential to provide financial resources, state-of-the-art technical equipment, vehicles, placement conditions, summarizing the resources and the efficient flow of information. To achieve this goal, the budget, real estate management, engineering, project office and IT staff work together.

In 2017, all areas achieved significant results. A number of investments, purchases and development have taken place over the past year. For example, the new fire brigade of Szarvas has been completed, renewal of the headquarters in Kőrmend has begun, and more than a hundred objects have modern facilities for uninterrupted operation management.

Coordination and management of applications and projects for the development of the infrastructure, technical assets and IT systems of the disaster management is a serious task. Through projects, an unprecedented development resource has been available to the disaster management organizations. In 2017, EU projects entered the implementation phase from the preparatory phase and started again.

In addition, the series production of the domestically developed Rába-Heros Aquadux X-4000 syringe has continued and the amortization replacement of handling vehicles has begun.

As far as the IT field is concerned, there have been numerous acquisitions and developments, including new EDR radios, a renewal of service aggregation software, progress in the lake lighting systems, and the launch of the free emergency mobile application of disaster prevention, the revised version of the Emergency Alert System too.

Overall, it can be stated that the year 2017 required new, innovative approaches, creative solutions and initiative from all the staff of the Directorate General for Economic Affairs.



Péter Bartók  
Fire Fighter Colonel  
Deputy Director General  
for Economic Affairs

In the financial year 2017, the primary, fundamental and at the same time the overarching goal was to provide the resources and tools necessary for professional tasks. With balanced, rational and economical management, the disaster management has achieved this: the National Directorate General for Disaster Management (NDGDM) and the organizations under its control have closed the last year without debt.

The BM HEROS Ltd. continued the series production of syringes, as a result of which the NDGDM, in the framework of the Environmental and Energy Efficiency Operational Program (KEHOP) project, handed over 54 domestic manufactured syringes and by using own resources three pieces of 32 meters rescue vehicle are stand-by. In addition, the new water transport prototype was completed.

In 2017, several major projects took place in the implementation phase: expansion of capacity for critical infrastructure's cyber security, building energy investments in disaster management owned buildings, building energy development in Gazdagréti Square 3 in District 11 in Budapest, design of firefighter posts - development of lightweight firefighter posts, construction of traditional structures, capacity development of high level industrial security operations, acquisition of motor vehicles and water transmission vehicles for forest firefighting, creation of EU civil protection

complex modules, systematization of critical infrastructure protection deployment units, development of capital and county industrial security information centers, development of a central laboratory, development and preparation of voluntary rescue organizations, establishment of a decision supporting system and the project of Agricultural Water Use Information and Control Framework.



In the framework of the Expansion of the Disaster Management Systems in the Balaton Region project, the NDGDM submitted a subsidy claim of HUF 1 billion in 2017. The aim of the project is to provide professional firefighting headquarters with efficient, modern and facility-friendly assets, thus enhancing the responsiveness of relevant county disaster management directorates.

Thanks to the KEHOP projects, between 2014 and 2020, there will be opportunities for building firefighter posts and barracks, real estate renovations that result in

energy savings, purchasing special vehicles and fire syringes, special fire and rescue equipment, and IT developments and purchases. In the twelve construction projects of the NDGDM, six new builders, seven newly built barracks, a newly built logistics warehouse hall, expanded central workforce of the disaster management and more energy efficiency investment contracts have been invest-



## Deputy Directorate for Economic Affairs

ed in for more than HUF 13 billion. Among the projects related to real estate development and renovation projects, the workshops were handed over to the implementers in Sásd, Letenye, Kiskunmajsa, Sopronkövesd and Tolcsva, and the works have already started.



In order to carry out the tasks completely and to carry the necessary staff to intervene, the Directorate-General purchased a bus and continued to purchase the motor vehicles, equipment needed to carry out chimney sweeping tasks. At the same time the amortization of the passenger cars was started.

On 24 March 2017, the new Szarvas barracks were handed over in a ceremonial setting. In 2010, the city of Békés won 440 million forints in the tender of the Ministry of the Interior. Last year, the renovation of the professional firefighter headquarters in Körmen was started, which is expected to be completed in the spring of 2018. In addition, the property of the Gyöngyös disaster management

office and the professional fire brigade headquarter is managed by the Directorate-General from now on.



On the basis of the institutional investment and renovation plan of 2017, a total of 78 real estate renovation and investment works were carried out by the county directorates in the total amount of HUF 284 million.



The development of the storm warning system planned for last year was implemented, whereby the NDGDM renewed four storm warning stations at Lake Balaton by replacing the lamps with state-of-the-art LED flashlights. There is a new station established at Lake Velence, where an interactive information board serves the citizens' safety. Along with the new one, there are already four storm warning stations around the lake.



As a government initiative, the IT field has put into place 4600 new advanced EDR radios in place of old radio equipment. With the development, a centralized management system for the more efficient location communication of the intervening staff was also renewed.

The NDGDM has implemented the uninterrupted operation management operation from a central source, which

provided a total of HUF 163.8 million in 107 disaster management facilities in the state of modern aggregator feed.

The IT field also made significant improvements in 2017. Among others the development of a system for the automated operation of the alarm and power control units of professional firefighters headquarters and firefighter posts. By realizing the web service of the forest fire risk map provided by the NÉBIH, it has become possible to make the maps interactive as queries (identifiable) as an attachment to the forest fire plans, thus supporting the fire and the operations management activities.

From last year's developments, the Central Orchestra for Disaster Management has not been left out. The rehearsal room was renewed and new instruments were obtained, all contributing to the band's celebration of the 80th anniversary of its existence in 2018.





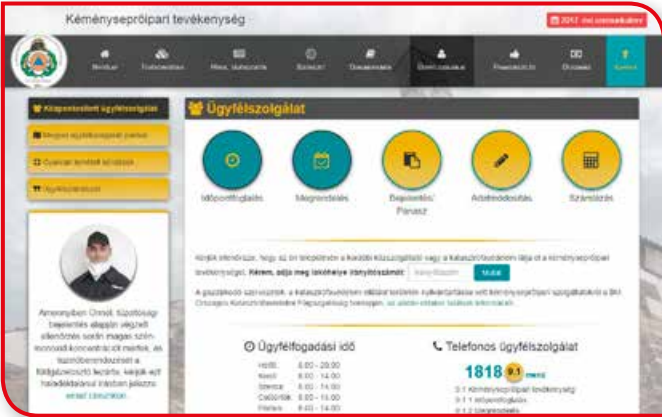
# National Directorate General for Disaster Management (NDGDM) Economic Supply Center

Since July 2016, the NDGDM Economic Supply Center has been performing the chimney sweeping as a designated task of disaster management as a public service. In 2017, the supply area, comprising more than two million chimneys in natural persons, condominiums and housing cooperatives, expanded to 2582 settlements in three stages. The chimney sweeps of the organization went to 1 million 340,000 households in 17 counties, where nearly 2 million 190,000 flue gas pipelines were surveyed.



In order to optimize and dynamise work organization, the establishment of chimney sweeps began last year. The number of qualified chimney sweepers and chimney sweepers is over six hundred, as a result of continuous training and further training. The fleet needed for the task system continued - 55 new and used vehicles, flue gas analyzers and pressure gauges, tools, hand tools, work clothes and IT equipment. The customer relationship context of the task is provided by the 1818 free call center linked to the government customer line and is supported by a non-registered online home page. In 2017, the organization was there on any public interest exhibit and event involving chimney sweeping activities, where

it could get closer to the population and could send messages to people in preventing the production of chimney smoke and carbon monoxide poisoning.



The Economic Supply Center has been coordinating the national mosquito netting program since 2013. In 2017, over a total of 714,000 hectares, eighteen aircraft and thirty-eight earth units were completed in 2 weeks for the 956 settlements. The modification of the Disaster Management Act allowed for a three-year framework contract between 2017 and 2019 to implement the national mosquito netting program so that preventive and environmentally-friendly biological healing methods were promoted. The larger, interconnected larvae sites were treated with more than 14,000 hectares by biological methods.



The Center performed its basic tasks in a regular, scheduled and cost-effective manner. It provided the work related to the centralized payroll task of the disaster management organizations and all the economic and management tasks of all Disaster Management Education Centers and the Pest County Disaster Management Directorate. In cooperation with the Hungarian State Treasury, during the year it successfully eliminated inaccuracies arising from the operation and parameterization of the central payroll program.





## National Directorate General for Disaster Management (NDGDM) Economic Supply Center

The 2017 Budget initiated a number of significant real estate investment and renovation tendering procedures, so in 2018 the full renovation and upgrading of the central garage, the expansion of the warehouse base and the architectural, electrical, mechanical renovation of some of its buildings could commence. The total value of investments is close to 800 million forints. In addition, the Economic Supply Center has completed the maintenance and operation of residential buildings, civil protection objects and law enforcement workers. Among them, the Jogar Training Center and Hotel in Balatonföldvár is outstanding with its last year's highlights.



The NDGDM Economic Supply Center assured the continuous maintenance and operation of the HUNOR professional and the HUSZÁR voluntary rescue organizations and the logistical background of participation in foreign and national exercises. It has provided placement, clothing, food, purchasing and warehousing and personal and device transportation related to the annual operation and recertification of the teams, including the equipment needed for the most extensive backups and medical capabilities.





## BM Heros Inc.

In 2017, the primary task of BM HEROS Ltd. was the technical service of the National Directorate General for Disaster Management, both from the manufacturer and from the service side. In addition, the series production of the Rába-Heros Aquadux X-4000 syringes continued, funded by the European Union.



Three times - on 28 April, 21 September and 6 December - the equipment produced for their new owners were handed over. In 2017 a total of fifty-four new syringes were installed in the various disaster management units.

The HEROS SQUAREX S 10, designed and implemented by the company's engineers, was introduced at the September event, which is capable of delivering ten thousand liters of water.

HEROS subsidiary, BM HEROS LEK Ltd., which started its activity in July 2016, entered into a contract with the National Ambulance Service in a public procurement procedure for servicing, repair and maintenance activities, in which it committed itself to producing and

transmitting 169 life-saving vehicles with its consortium partner. The subsidiary successfully provided technical assistance to firefighters and other special vehicles of the National Directorate General for Disaster Management during the year, as well as the national service and repair of motor vehicles in the operation of the National Emergency Service.



As in previous years' practice, the company was responsible for the renewal of the vehicle syringe in 2017, as a result of which six voluntary firefighting associations could have received refurbished equipment.

The combined revenues of the two companies increased nearly double from six and a half billion forints in the previous year to 12 billion HUF, with HEROS and its subsidiary achieving outstanding results in 2017.





The main tasks of the human sector in 2017 were the continuation of the professional career model that was introduced two years ago, and the preparation and implementation of the tasks defined in the new labor regulations. The human resources management system of the disaster management ensured the organization's functioning – the stock was stable, the fluctuation was low, the training and further training system developed as well as the health, psychological care and safety regulations provided an adequate framework for the organization's stable operation.



On 1 December 2017, 11 528 positions were occupied by professionals at the disaster management agencies (376 in the number of available staff) and 1,387 seats were vacant. As in the previous year, the fluctuation of the organization was also low in 2017.

The field of expertise has prepared deadlines for the payment of five percent salary increases under the new promotion and remuneration system as well as decisions on the remuneration of the minimum wage or guaranteed minimum wage rates of the relevant government officials, civil servants and employees.

Individual performance evaluation and qualification of professionals and government officials was completed by the deadline in 2016. Based on the performance of the organization in 2016, the amount of the allowance was 2.2 billion forints, which was distributed on the basis of performance and nationwide by uniform principles. Government officials (almost 200 people) - on the basis of their performance - received on average twenty percent pay-offs.

Leader	770 persons
Officer	1861 persons
Warrant Officer	6674 persons
Government official	244 persons
In total	9549 persons

In 2017, the introduction of e-HR fundamentally altered the procedures developed in the human field. From then on, the financial countersigning, issuing and delivering of the employer's actions will take place electronically.

In May, the members of the Hungarian Defense Forces were elected to the Assembly. The field has prepared the norms, procedures and arrangements necessary for the election.

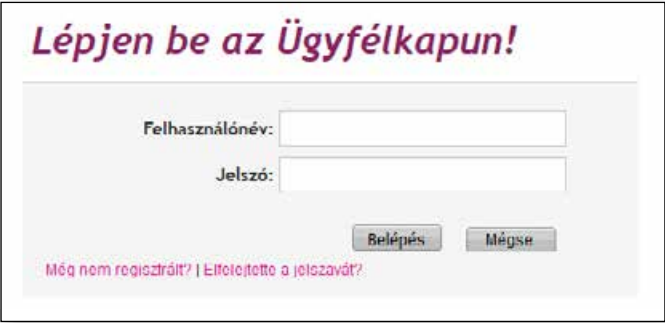
In 2017, the number of perpetrators was controversial: the number of crimes committed in service decreased by 47 per cent compared with the previous year, but the number of offenses increased by 150 per cent. As in the previous year, there has been a small decrease in the number of disciplinary offenses, but the number of unreasonable practices triggered by the norms offensive has increased by 68 percent.

Offenses are still predominantly military offenses. In all cases, violation procedures started with the violation of traffic rules, while the vast majority of the disciplinary offenses resulted from the negligent fulfillment of internal norms and instructions.

In the framework of firefighter training, over-work and over-service training began, with more than sixty students having started their studies in September. With the new modular system firefighters, with the graduates in 2017, more than one hundred and two hundred were involved.



The continuous expansion of the supply area of the chimney sweeping industry generated a demand for supply, so that various chimney sweeping preparations took place throughout the year. Since taking up professional duties, the number of chimney sweeping professionals has increased by 187 and the number of students with a Master's degree has increased by 33.





## Human Service



In the field of motor vehicle training, accidents prevention training courses were highlighted. A total of 3389 colleagues were trained in 154 national courses. In the case of accident-free driving measures, a national road safety competition was organized for the first time in the category of passenger cars and standing units.



In order to serve and support the professional tasks, the human field of expertise was involved in the preparation of several cooperation agreements in 2017 (University of Physical Education, Óbuda University, IPA, National University of Public Service, Újpesti Bródy Imre Secondary and Primary School).

The change in pension rules and the introduction of a professional career model brought new challenges to the human field. The selection, health and psychological screening, preparation and prevention of work accidents become more and more important. An important point in this process was the handout of the health, psychological and occupational safety center in Miskolc in 2017. In this country there are nine places where the basic supply of the stock is provided regionally.



The Crisis Intervention Team of the Disaster Management consists of thirty-four professional and volunteer professionals. Their development of skills has been a top priority for the past year. Experts have been involved in the first aid service for the injured and the relatives of the Verona bus accident in January.



The members of the professional staff received a total of 145 service or labor accidents per day. This figure shows a slight decrease compared to the previous year. A significant proportion of accidents took place during sporting and road traffic. During firefighting interventions, 27 percent of the cases occurred, slightly more than in the previous year. In 2017 there was a serious labor accident.



In order to prevent illness and occupational accidents, the human field has established a system of health care agents. A total of 147 colleagues are working on this task besides their work. For them, regional specializations were held in the fields of health promotion, public health, epidemiological and occupational safety.

On the basis of the cooperation agreement with the University of Pécs, the training of disaster medical instructors and the first aid and health care of the intervening firefighters started this year.



# Disaster Management Education Center (DMEC)

The main task of the educational organization of the Disaster Management Education Center is to undertake professional examinations besides the teaching work, as well as to develop and keep up-to-date training programs, curricula and other training documents. The fire protection organizer faculty of the law officer training course launched on 22 September 2016 has 50 students, while the disaster management faculty has 13 students and the industrial security faculty has 4 students. On 19 October 2017, the following law enforcement organizer training took place in the fire protection organizer faculty with 26 students, and with 4-4 students in the disaster management and the industrial security faculty.



The Education Center issued 88 firefighters in February, 76 firefighters in June from Firefighter 2 vocational training. In September, a Firefighter 1 vocational training started with 33 students. Up until the summer school year, 68 commanding officers were issued, and in Sep-

tember, 41 commanding officers began their studies. In the course of the chimney sweeping vocational training, during the year 108 of them passed a successful exam and 32 students passed a successful master examination. 63 of the DMEC students finished their studies at the municipal fire-fighting and facility firefighting training, and 31 students finished their studies with an on-site training course.



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## Disaster Management Research Institute (DMRI)

As an accredited laboratory, DMEC's backbone Disaster Management Research Institute performs product testing, analyzes of residues collected during a fire test procedure, and periodic quality control studies of extinguishing agents and extinguishing foam concentrates. In 2017, the Institute issued a Fire Certificate of Conformity after the certification of 37 products.



The DMRI has been operating its fire investigation analytical system for five years. It receives the samples for the volatile hydrocarbon content of combustion residues on which it carries out accredited instrumental analytical



## Disaster Management Education Center (DMEC)

tests. Over the past year, the institute examined 244 samples and issued 169 expert opinions. In the periodic



vaccine study, the DMRI has qualified 212 samples last year. The research institute organizes proficiency practices for the staff of mobile disaster management laboratories. In addition to the exercises in 2017 he participated in organizing and conducting the national Disaster Management Mobile Laboratory (DMML) tournament.

### Central Museum of Disaster Management

The museum was exhibited at a number of outsourced exhibitions in 2017. The institution was there on the 120th anniversary of the founding of the Jászberény Fire Department, on the joint police and firefighter day, at the historical conference of the Hungarian Academy of Sciences presenting the Széchenyi family and at the historical exhibition called "The heirs of the great names" – Count Ödön Széchenyi, founder of the Hungarian pro-

fessional firefighting at Cifra Palota. The museum was attended at the Barnabás Holló Memorial Museum, in Rimaszombat, Slovakia and at the 25th Jubilee Meeting of the International Firefighters Association Fire Department and the CTIF Historical, Museum and Documentation Committee. The second volume of the artistic photo album "Firefighter vehicles in Hungary" was published in the framework of the history of science.



The staff of the exhibition site highlighted the conference commemorating the 80-year Aviation League with their presentation, the memorial conference of Kornél Szilvay and the annual conference of the Civil Protection Advisory Board. The museum took part in the "Majális of the Museums" and organized the Night of the Museums. The institution organized the Do Not Burn! literary and drawing competition. It welcomed visitors all over the year in his central building and branch offices. It is a significant result of the complete restoration of an IKARUS 526 syringe and the steam syringe has become operational.



### Central Orchestra of the Disaster Management

In 2017, the Central Orchestra of the Disaster Management closed its seventies-ninth season, giving 106 concerts throughout the country. The permanent performers of the musicians were invited to the Budapest New



Year Concert, the Opening Ceremony of the Ceremonial Book Week. Besides, the band was invited to the Debrecen Flower Carnival, but they also performed at the French and American Embassies. The band was also invited to participate in the "Háry Soiree" of the Hungarian State Opera House. It is a tradition that the Central Orchestra visited the capital city with the Standby Police Orchestra at the police and fire day event.



The orchestra is the returning guest of the wind band festival organized by the National Tax and Customs Office Orchestra in front of the St. Stephen's Basilica each September. In 2017, the orchestra was invited for the second time in Szolnok, where the Regional Military Orchestra Festival has been successfully held for years. The contact with the co-organs was expanded with the penitentiary organization last year. The disaster management artists gave two concerts to the partner organization. The orchestra performs various programs at the festive events of the disaster management and the Ministry of the Interior on a brass quintet, wind band or big band - featuring a full range of musical styles.



## National University of Public Service Institute of Disaster Management

For the Disaster Management Institute, the outstanding result of the 2017 year was that with the renewed leadership the basic principles of the fire engineer's basic training were developed and that the specialty of industrial security in the optional day-to-day vocational training course was supplemented by a new cost-reimbursement form.

In the last year's school year, from more than 700 applicants one hundred and thirty-two students started their studies. In the daytime schedule, disaster prevention is set to eleven, subscription ninety days, every second student can attend state-sponsored training. An important element of the training is that in the day-to-day training of the first and second grade of disaster prevention, students are studying in officer cadet status. Forty students started their studies at the institute's Master's degree, of which twenty-three were state supported. Four hundred and fifty-six students started their studies in the 2017/18 school year. The number of students at the end of the

academic year 2016/2017 was four hundred and ninety-one, and their studies were completed by two hundred and three, with a complete lack of a student. Finally one hundred and twenty-one students received their diplomas.



2017 is the second year in which students successfully completing the disaster management basic training and a graduate exam have been hired and taken an officer oath.

One of the outstanding events of the National University of Public Service was the joint public service exercise called "Wanderer 2017", and the institute was also involved in the organization. In addition to the current professional issues, at the international scientific conference called "Disaster Management 2017", the relationship between the Aviation Protection League and the Hungarian Civil Protection Alliance was also presented. In addition, the institute was represented itself on open university days, and it was presented at the EDUCATIO exhibition, its trainers actively participated in the scientific and advisory bodies of the Directorate General. In recognition of the outstanding student and educational work, the Gallant Dr. József Ronczik Jenő Memorial Plaque and the Student Fagot Dagger promotional prize were handed over in the last academic year as well.

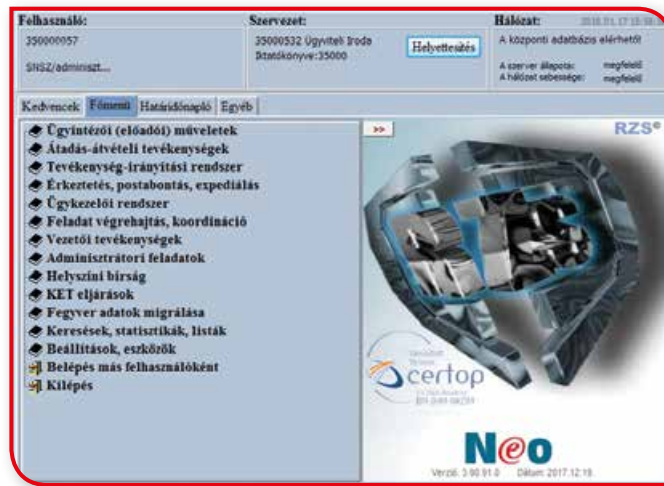
Last year, the institute organized international scientific conferences, leadership exercises and individual professional days. There was no lack of the spring national and autumn institutional academic student conferences. The Institute of Disaster Management participated more actively in ERASMUS + programs with foreign higher education institutions and a Summer University course with the Babes-Bolyai University was also organized.





In 2017, the office organization also provided solid backing support, effectively coordinated and coordinated the work of professional areas.

The legal field has been a priority for monitoring the radical changes in legislation in administrative procedures and preparing the legislative tasks necessary for these changes. The experts took part in the modification of sixteen own-initiative legislation in the area of the norms, and presented their comments on 1300 proposal submitted by the Ministry of Interior, and forty-six internal norms were countersigned. A national response to disputes arising out of a service relationship terminated due to the unlawful acquisition of a language examination certificate has been raised. In the case of labor disputes represented by the professional support of the field, the Supreme Court of Justice stated that the employer had correctly interpreted the legislation.



The field occupied a high level of the disaster management and the specialization of the legal advisers of the territorial bodies. In 2017, 56 requests for public interest data were received for the disaster management organization.

The disaster management has met the government's bureaucratic government's expectations of decreasing bureaucracy and improving public administration's efficiency, enhancing e-government services and improving its quality. The **Office of Administration** has placed a strong emphasis on rationalizing paperwork and reducing paper-based file management. In order to provide customers with a fast and convenient service, they introduced the general purpose electronic application form (e-Paper) and the electronic issuing. The paper-based, certified copy of electronic documents is delivered through the system of the Hungarian Post Ltd. (Magyar Posta Zrt.)

In order to handle public announcements and complaints, the organization operates a customer-friendly **customer service**, provides customer service email and mail, telephone inquiries, and personally-made reports, and provides clients with the requested information.

The **administrative sector** promoted the organization through events, exhibitions and promotional and popular presentations, and strengthened the internal organizational culture. The internal control system and the standardized ISO 9001 management standard effectively support the organization's operations since 2004.



The National Directorate General for Disaster Management (NDGDM) further strengthened its international relations system in 2017. In addition to the mixed committee meetings on disaster management, Mongolian, Macedonian and Bosnian debut visits have also taken place. In the framework of an expert exchange program, Estonian, Sudanese, Turkish,

Vietnamese and Korean experts could get acquainted with the organization and system of the Hungarian disaster management. The re-classified HUNOR and HUSZÁR rescue organization participated in international exercises in Estonia and Portugal. In the training system of the European Civil Defense Mechanism, experts from the NDGDM could further expand their professional knowledge. In addition to the director generals and working groups meetings of the NATO Civil Emergency Planning Committee, the organization also strengthened the organization's professional participation by nominating new experts.



The Audit Service paid special attention to the practicality, supportiveness and purposefulness of the Control-Command system, the improvement of management and control work, the development of the National Directorate General for Disaster Management's (NDGDM) internal control system, taking into account the principles of integrity management, and the effective and

Distribution of inspection in 2017	
Comprehensive inspection	34
Subject test	153
Management organizational	35
Review	190
Accountancy	281
Goal inspection	355
Analysis of data service	1
Report	76
Authority (supervisor) inspection	3
Control exercise	68
Chief Inspectorial (Mobile) controls	777
DMOS inspections	3695
Auditor inspection	178
Professional inspections	2
Investigation	16
Supervision (over the DMOS)	51
In total	5915

timely timely implementation of EU projects related to the development of disaster management systems continuous monitoring.

Last year, the Directorate General and the Directorates carried out a total of 5915 inspections, a reduction of more than five percent compared to the previous year. In addition, a total of 100 951 official controls were carried out at national level, which is eight per cent higher than the previous year's figure.



The NDGDM had a total of 388 audits, including four comprehensive and five audit controls, twenty-one subject studies, thirty targets, sixteen auditors, two hundred and eighty mobile, four supervisory and three supervisory controls and one audit. During the year, a total of nineteen times a survey, twenty times reporting, and sixteen internships were verified by professionals.

In most of the mobile inspections, the service and switching exercises were examined by the colleagues. The control of the operation control centers and the chimney sweeping activity became a new task. Eighteen and a half percent of all mobile controls, that is forty-six times, did not reveal any shortcomings to the professionals.

A national summary report was produced on a monthly basis of the audit activity, which included the findings of 19 160 audits carried out by the local bodies' executives.

During the year, the area of expertise developed the Directorate General's internal audit strategy for 2018-2021 and reviewed and updated the Internal Audit Manual of the NDGDM.

Through the analysis of data and information gathered during the audits covering all areas of operation, and the processing of experience, the field provided sufficient support to the organization's management, the establishment of effective decision-making and the taking of remedial measures. The audits closed last year included a total of 981 measures and 39 unopposed proposal points, on the basis of which the audited totaled 24 internal standards.

In addition to the National Audit Service Leadership Meetings, the day-to-day national training of inspectors and the two-day audit conference, the Audit Service has continued to oversee the control activities of territorial bodies.





## Communication Service

The activity of the disaster management also determined the communication activity, after 2014 the most news about the organization was published in 2017. The National Directorate General for Disaster Management (NDGDM) and its territorial bodies last year reported a total of 123 437 times in the media, which is almost 10,000 more than the previous year's data. 65 percent of news was related to daily damage events, and most of all, reports and interviews on winter weather, storms and disaster management chimney sweeps appeared. In the summer, it was the topic of fly netting, but of course the seasonal awareness campaign took place during the year. In 2017 too, the Directorate General's media presence was the strongest, but media coverage of the events of individual counties was also reported.

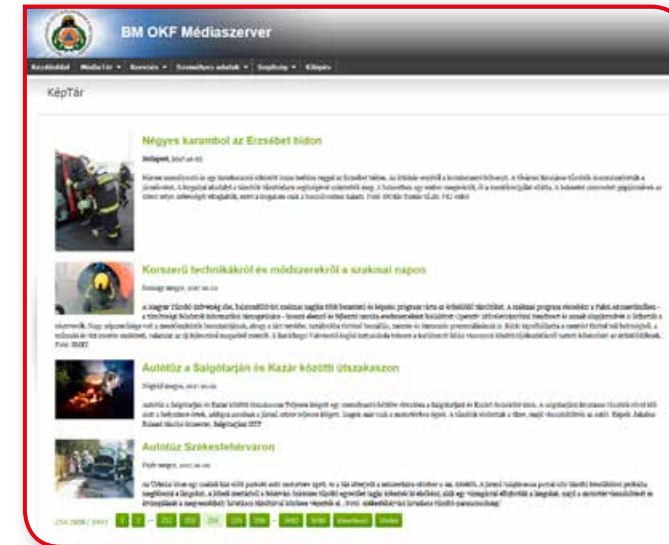


Last year, the Directorate General's **website** was visited most on 31 January, when the site was visited almost 39,000 times, which surpassed the viewing record set two years ago.



The number of fans of the official **Facebook profile** of the National Directorate General for Disaster Management (NDGDM) was slowly but steadily rising in 2017. While at the beginning of January the number of fans was about 17 600, and by the end of the year this figure exceeded 22 630. Visitors to this site liked and disliked, shared the posted content, and commented many posts. They sent a number of messages, sometimes only for the purpose of expressing opinions and in other cases seeking solutions to their problems.

The disaster management **media server** is increasingly used by press staff on a regular basis. Almost 1,000 have been registered for the service. Media representatives joined the media server over 13,000 times last year and selected among nearly 107,000 photos and more than 23 hours of video.



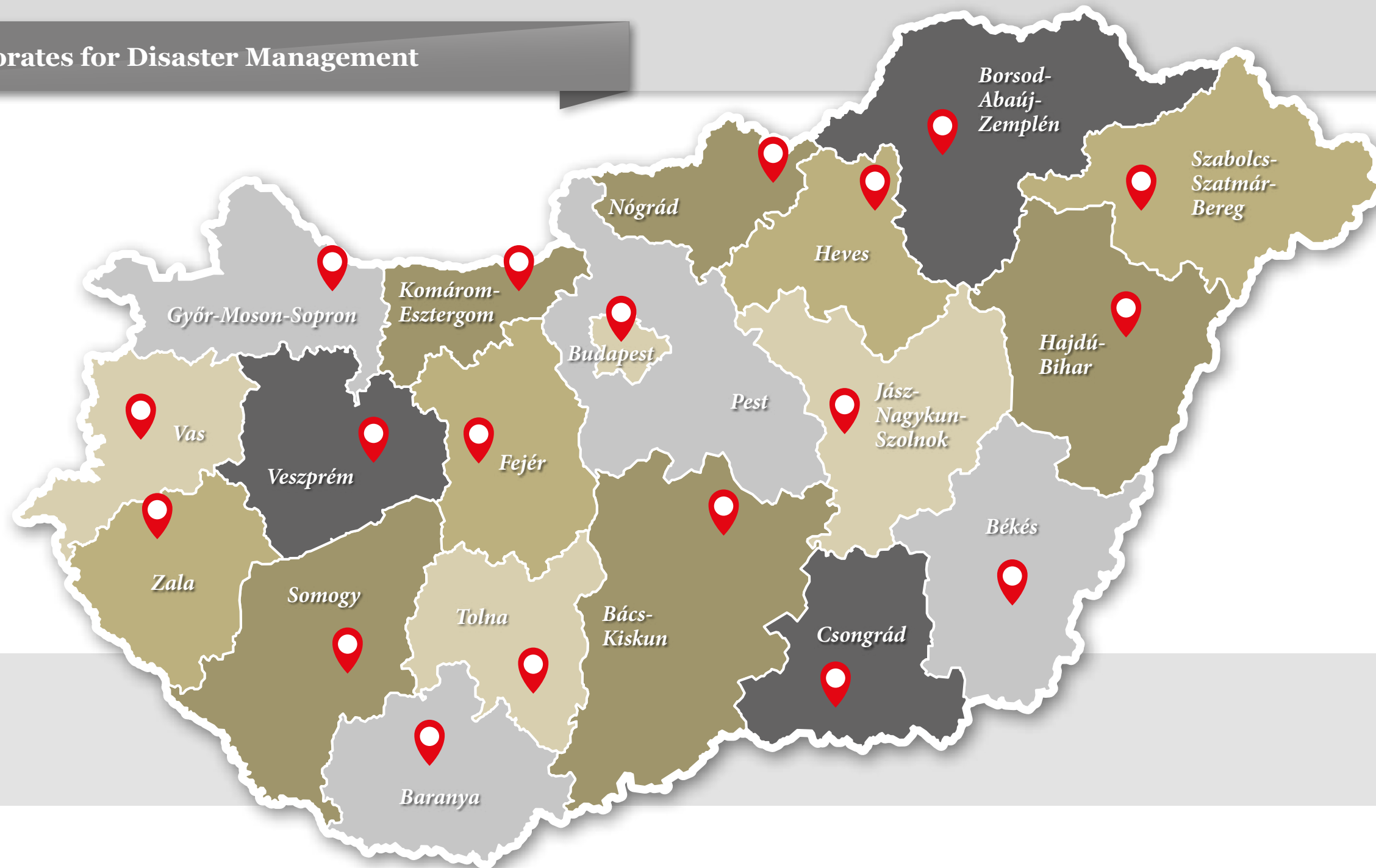
The smart application called the **Emergency Notification Service**, operated since January 2014, has been renewed last year. From July 10 onwards, a more varied and developed application became available. Through the service the disaster management sent a total of 8079 messages to users' mobile devices in 2017. Emergency news also reach the citizens through the media service providers.

In 2017, Fire, Civil Protection and Industrial Security Journal of the **Disaster Management** was also renewed. The magazine, which was only available in electronic form, free of charge since March 2015, has been renewed at the end of the year and has been given a clearer, more transparent form than before.



In 2017, the communication area covered the Swiss-Hungarian Cooperation Program, the Local Capacity Development of the Disaster Management Institution, and KEHOP 1.6.o. project implementation.

## County Directorates for Disaster Management





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