



DHMZ
1947.– 2022.



DRŽAVNI HIDROMETEOROLOŠKI ZAVOD
CROATIAN METEOROLOGICAL AND HYDROLOGICAL SERVICE

www.meteo.hr

Dragi naši korisnici, partneri i kolege,

Nova je godina pred nama, godina u kojoj će Državni hidrometeorološki zavod obilježiti 75 godina rada. Mnogo je toga ostvareno od 27. kolovoza 1947. otkada je Uredbom Vlade NR Hrvatske osnovana Uprava hidrometeorološke službe iz Hidrološkog zavoda i meteorološke službe koja je do tada bila u sklopu Geofizičkog zavoda sa sjedištem na Griču 3 u Zagrebu.

Sve do tada, hidrološka i meteorološka služba na teritoriju Hrvatske bile su rasjepkane, ali već je stvoreno vrijedno i respektabilno intelektualno te infrastrukturno nasljede u obje djelatnosti (uspostavljena je regulatorna mreža meteoroloških i hidroloških postaja, uspostavljena je prognošćka služba, započeo je razvoj pomorske i zrakoplovne meteorološke službe). U narednom razdoblju nekoliko je puta mijenjano ime službe da bi nakon uspostave samostalne Hrvatske, 1991. godine zavod dobio ime Državni hidrometeorološki zavod (DHMZ).

Razvoj i unapređenje meteorologije i hidrologije u okviru DHMZ-a neprekidno prati najnovija znanstvena i tehnološka dostignuća. DHMZ je danas ugledna nacionalna služba i znanstvena organizacija i kao takva dio europske meteorološke infrastrukture. Ovaj prostor je premali kako bi se izdvojila sva postignuća i izazovi, a u nastavku su tek neki naglasci iz prošlosti DHMZ-a:

- 1949. • započinje praćenje razine podzemne vode
- 1951. • organizirana agrometeorološka opažanja: fenološka i temperature tla
- 1955. • uspostava radiosondažnih mjerjenja
- 1956. • početak humane biometeorologije
- 1976. • DHMZ dobiva status znanstveno – istraživačke pravne osobe
- 1981. • početak sustavnog praćenja kvalitete zraka
- 1986. • započinje korištenje satelitskih podataka u prognošćkoj službi
- 1992. • Hrvatska postaje članicom Svjetske meteorološke organizacije (WMO), a DHMZ je njezin predstavnik
- 1994. • postavljen je suvremeni meteorološki radar na Bilogori
- 1996. • sporazum o suradnji na razvoju ALADIN projekta
- 2006. • Hrvatska postaje punopravna članica EUMETSAT-a, a DHMZ je njezin predstavnik
- 2007. • Hrvatska postaje članicom ECOMET-a, a DHMZ je njezin predstavnik
 - DHMZ postao punopravni član EUMETNET-a
- 2016. • Hrvatska postaje punopravna članica ECMWF-a, a DHMZ je njezin predstavnik
- 2017. • započinju strukturni projekti modernizacije meteorološke mreže (METMONIC) i mreže za trajno praćenje kvalitete zraka (AIRQ)
 - potpisani Ugovor o dodjeli nekretnine na kampusu Borongaj temeljem kojeg se kreće u daljnju pripremu projektne dokumentacije nove upravne zgrade
 - izabrano idejno urbanističko-arkitektonsko rješenje nove zgrade DHMZ-a u Zagrebu u kampusu Borongaj

2019. • novi Zakon o meteorološkoj i hidrološkoj djelatnosti

- započinje strukturni projekt modernizacije hidrološke mreže (VEPAR) kojeg vode Hrvatske vode, a DHMZ je partner

2020. • nakon potresa u Zagrebu i okolici (22. ožujka 2020.) trajno je stradala zgrada na Griču 3 u Zagrebu, nova adresa DHMZ-a je Ravnice 48, Zagreb

- potpisani ugovor o nabavi šest meteoroloških radara (radari će pokrivati cijelokupni teritorij Hrvatske) te ugovor o nabavi pet meteorološko-oceanografskih plutača
- nabavljeno novo superračunalo
- DHMZ uvršten u bazu Međunarodnog ureda za utege i mjere

2021. • započeli su radovi na modernizaciji postaja Državne mreže za trajno praćenje kvalitete zraka u sklopu projekta AIRQ kao i izgradnja meteorološke infrastrukture u okviru projekta METMONIC

Ponosna sam što sam imala priliku cijeli svoj radni vijek raditi u DHMZ-u i zajedno sa svim svojim kolegicama i kolegama sudjelovati u njegovom rastu i razvoju. Impresivan je popis obavljenog no čeka nas još puno izazova u realizaciji naša vizije:

Baštineći naše naslijede, stručnost, znanstvena dostignuća i međunarodne norme, vidimo se kao središte izvrsnosti za meteorološke, hidrološke i njima srodne informacije prepoznatljivo po svojoj ulozi u izgradnji bolje budućnosti kroz transformaciju Hrvatske u klimatski neutralno društvo otporno na klimatske promjene.

Čestitam nam prvih 75 i veselim se budućim godinama razvoja DHMZ-a!

dr. sc. Branka Ivančan-Picek
glavna ravnateljica DHMZ-a



Dear clients, partners and colleagues,

In the year ahead, the Croatian Meteorological and Hydrological Service will celebrate its 75th anniversary. We have come a long way since 27 August 1947, when the Meteorological and Hydrological Service Administration was formed by a decree of the then government from the Hydrological Institute and Meteorological Service, which had operated as a part of the Institute of Geophysics, based in Zagreb, Grič 3.

Hydrological and meteorological services in Croatia had been fragmented before that, but had already accumulated a valuable and respectable intellectual and infrastructural legacy, having set up a regulatory network of meteorological and hydrological stations, established a weather forecasting service, and started building a marine and aviation meteorological service. The Service changed its name several times over the years. After Croatia declared independence in 1991, it assumed the name Croatian Meteorological and Hydrological Service (DHMZ), and has continued to operate under this name to date.

The DHMZ has always kept pace with the latest scientific and technological findings in developing and evolving meteorology and hydrology in Croatia. Today, the DHMZ is an esteemed national service and health organisation, and a part of the European meteorological infrastructure. The DHMZ has overcome many challenges over the years, while also achieving so much, including:

- 1949 • Monitoring of ground water level launched
- 1951 • Agrometeorological monitoring organised (phenology and soil temperature)
- 1955 • Radiosonde measurements established
- 1956 • Human biometeorology kicked off
- 1976 • DHMZ granted the status of legal entity registered for scientific research
- 1981 • Systematic monitoring of air quality launched
- 1986 • Satellite data started to be used in weather forecasting
- 1992 • Croatia joined World Meteorological Organization (WMO), where it is represented by DHMZ
- 1994 • First modern meteorological radar set up on Mount Bilogora
- 1996 • Agreement signed on collaboration on the development of project ALADIN
- 2006 • Croatia became full member of EUMETSAT, where it is represented by DHMZ
- 2007 • Croatia became full member of ECOMET, where it is represented by DHMZ
 - DHMZ became full member of EUMETNET
- 2016 • Croatia became full member of ECMWF, where it is represented by DHMZ

- 2017 • Structural projects METMONIC (Modernisation of Meteorological Measurement Network) and AIRQ (Expansion and Modernisation of Air Quality Monitoring Network) launched
 - Agreement signed awarding the property in Borongaj campus to DHMZ, preparation of project documentation for new administration building began
 - Urban planning and architectural design chosen for new DHMZ building in Borongaj campus
- 2019 • New Meteorology and Hydrology Act
 - VEPAR (Improvement of Non-Structural Measures of Flood Risk Management in the Republic of Croatia) project launched with Hrvatske vode as project developer, and DHMZ as partner
- 2020 • DHMZ's building in Zagreb, Grič 3, sustained permanent damage in earthquake of 22 March 2020; DHMZ relocated to Ravnice 48, Zagreb
 - Contract signed for six new meteorological radars covering Croatia's entire territory and five new meteorological and oceanographic buoys
 - DHMZ bought new supercomputer
 - DHMZ listed in International Bureau of Weights and Measures database
- 2021 • Modernisation of National Continuous Air Quality Monitoring Network stations launched under AIRQ project; construction of meteorological infrastructure launched under project METMONIC

I am proud of being a part of the DHMZ for my entire career and helping to grow and build it together with all my colleagues. We have come a long way, but we have many more challenges to face as we materialise our vision:

Building on our legacy, expertise, scientific findings and international standards, we see ourselves as the excellence centre for meteorological, hydrological and related information, recognised for the part we play in building a better future by transforming Croatia into a climate-neutral and climate-resilient society.

Happy 75th anniversary to us, and I look forward to seeing the DHMZ grow in many more years to come!

Branka Ivančan-Picek, PhD
Director-General, DHMZ





Iznad magle / Above the fog, Motovun, ©Boris Baran

SIJEĆANJ / JANUARY 2022.



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Na udaru / *Engulfed*, Punta Planka, ©Bruno Fantulin

VELJAČA / FEBRUARY 2022.



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U proljeće? / In the spring?, Samobor, ©Romeo Ibršević

OŽUJAK / MARCH 2022.



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Svjetski dan voda
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Suton na vrlu Gacke / Gacka River spring at twilight, Majerovo vrilo, ©Šime Barešić



TRAVANJ / APRIL 2022.

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Polje makova / A field of poppies, Prelog, ©Miroslava Novak Hranjec

SVIBANJ / MAY 2022.



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Postojan u oluji / Braving the storm, Dubrovnik, ©Mislav Bilić

LIPANJ / JUNE 2022.



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Prekrasan kumulonimbus / Updraft, otok Lošinj, ©Sandro Puncet

SRPANJ / JULY 2022.



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Zlatno plava noć / Golden and blue night, Dubrovnik, ©Daniel Pavlinović

KOLOVOZ / AUGUST 2022.



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DHMZ

Dan osnutka
Foundation Day



Poplavljeni / Flooded, Istra, ©Vesna Špoljar

RUJAN / SEPTEMBER 2022.



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Maglovito jutro / Misty morning, Bilje, ©Damir Rajle

LISTOPAD / OCTOBER 2022.



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Pijavica / Waterspout, otok Lokrum, ©Nikša Krešić

STUDENI / NOVEMBER 2022.



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Zvjezdana kiša / Raining stars, Veli rat, ©Branko Nađ



PROSINAC / DECEMBER 2022.

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