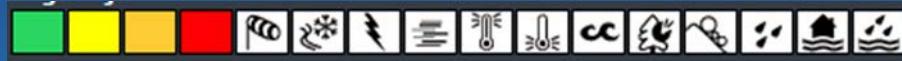


# Upozorenja DHMZ-a na opasne vremenske pojave



dr.sc. Tanja Renko

Zagreb, ožujak 2022.



DRŽAVNI HIDROMETEOROLOŠKI ZAVOD  
CROATIAN METEOROLOGICAL AND HYDROLOGICAL SERVICE

[www.meteo.hr](http://www.meteo.hr)

# "Rano upozorenje i djelovanje - hidrometeorološke i klimatske informacije za smanjenje rizika od katastrofa"



# Državni hidrometeorološki zavod (DHMZ)

- Državna upravna organizacija (Zakon o sustavu državne uprave, NN 66/19 i Zakon o ustrojstvu i djelokrugu tijela državne uprave, NN 85/20)
- znanstveno istraživačka pravna osoba
- obavlja stručne poslove praćenja hidroloških i meteoroloških procesa (Zakon o meteorološkoj i hidrološkoj djelatnosti, NN 66/19)

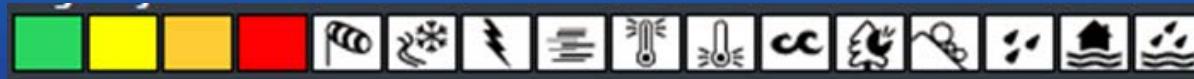


*Poslovi meteorološke i hidrološke djelatnosti*

Članak 6.



- "... rana najava i upozorenja na opasne meteorološke, meteorološko-oceanografske i hidrološke pojave..."



# Što je upozorenje?

*Opljiv i razumljiv opis očekivanog  
scenarija štete  
&  
jasan savjet što učiniti.*

**Sendai Framework for Disaster Risk Reduction**  
**2015 - 2030**



# Kako bi izdano upozorenje bilo učinkovito potrebno je:

## Korisnik mora:

1. Primiti upozorenje



2. Razumijeti upozorenje



3. Znati što treba učini s dobivenom informacijom



4. Vjerovati da je informacija bitna za njega/nju

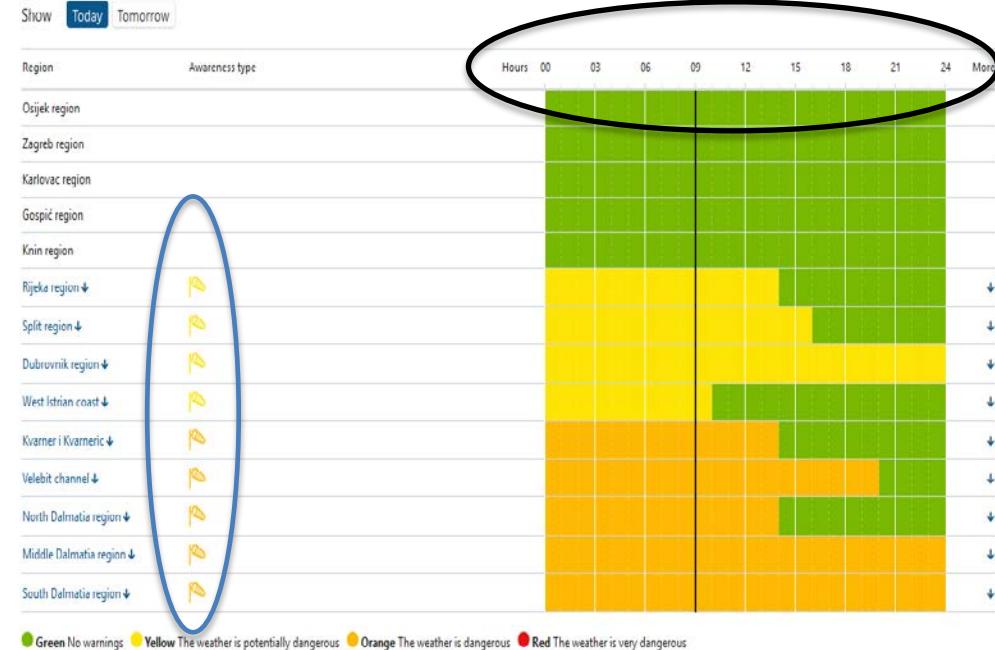
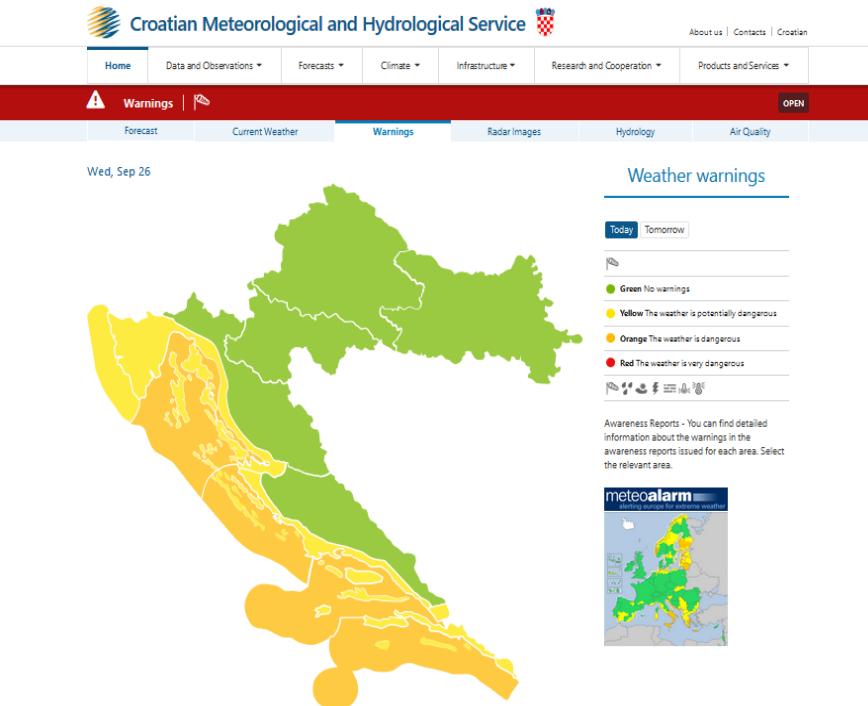


5. Poduzeti učinkovite mjere na temelju dobivenog upozorenja



Više: Severe convective storms in the European societal context by Charles A. Doswell III

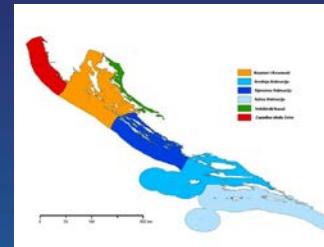
# Mrežne stranice DHMZ-a i platforma s upozorenjima



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# Intenzivan razvoj na sustavu upozorenja



Weather warnings: Karlovac regija

Created from: 26.02.2018 08:00 CET until: 26.02.2018 23:59 CET  
Awareness Level: Orange

extreme low temperature

Uzroci: Ekstremno niska temperatura zraka. Aktivna temperatura između -10 do -15 °C BUDUĆE: Štampanje na Hrvatskoj i izrada mreže temperature. Zadržavanje rukom moguće je kod ugodnije populacije, prouzrogu kod starog, male djece i bednjaka. Stoga je potrebno prema slijedećima savjetima da se rade odgovarajuće mjerile.

engleski: Extreme low air temperature, minimum temperature between -10 and -15 °C BUDUĆE: SHARING ON CROATIA AND COLD EXTRME LOW TEMPERATURES: Keeping hands warm is possible for healthy population, but may be difficult for old people, children and disabled persons. Keep informed and follow the advice provided by the relevant authorities.

warning: 26.02.2018 08:00 CET until: 26.02.2018 23:59 CET  
Awareness Level: Yellow

high winds

Uzroci: Izuzetno veliki konvergencijom vjetra, najviši udar vjetra > 35 km/h BUDUĆE: Na CP4823 dugo obuhvata kroz leto nošnje jakim vjetrom. Moguće su štakotinje i pravila u afrodismu na vjetrenim stranama.

engleski: Strong and stormy gusts of NE wind, maximum gust speed > 35 km/h STR ALERT: for debris carried by strong winds. Debris and tree branches caused by the wind may cause localized interruptions in outdoor activities.

17. srpnja 2009.  
Meteoalarm

2013./2017.  
Toplinski valovi/  
Hladni valovi

1.6.2016.  
Meteoalarm  
obalna upozorenja

24.7.2017.  
Common Alert  
Protocol - CAP

29.12.2017.  
Generički tekstovi  
utjecaja

2018.  
Nova web stranica



# Struktura sustava upozoravanja

DHMZ (Zagreb, Split, Rijeka)



Prognoze i upozorenja



Ministarstvo unutarnjih poslova,  
Ravnateljstvo Civilne zaštite

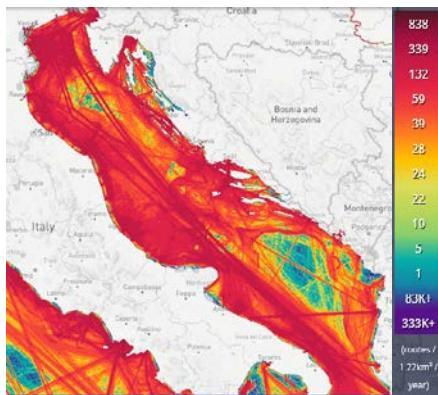
&

Nacionalna središnjica za traganja i spašavanje na moru  
(MRCC)



Lokalne vlasti, civilna zaštita, vatrogasci, ...





Gustoća prometa na Jadranu s prikazom glavnih prometnih pravaca tijekom 2020. godine

Izvor: <http://www.marinetraffic.com>

- Pomorska meteorološka služba od **1947.** godine pri DHMZ-u
- Sukladno pomorskoj legislativi i svim međunarodnim konvencijama u ime Republike Hrvatske priprema pomorske meteorološke obavijesti (**SOLAS** – konvencija o zaštiti ljudskih života na moru)
- Prognoze i upozorenja za područje cijelog Jadrana od krajnjeg sjeverozapada do Otranta uz podjelu na sjeverni, srednji i južni dio  
→ MRCC, Plovput, Lučke kapetanije, HRM, Lučke uprave Split i Rijeka, marine duž obale
- 24/7/365 meteorološko bdjenje



# DHMZ

## Pomorske prognoze i upozorenja

Plovput



4 × dnevno

za **MSI** - Maritime Safety Information  
(pomorsko sigurnosne informacije)



VHF i NAVTEX sustav



MRCC

2 × dnevno  
snimljene govorne prognoze na  
hrvatskom, engleskom,  
njemačkom i talijanskom  
jeziku



1 × dnevno  
za **nIS**  
(nautički  
informacijski  
servis)





# ZAŠTITA OD POŽARA RASLINJA

- Fire Weather Index (FWI) – svakodnevno od 1.4. do 31.10. (već više od 30 godina)
- Posebna upozorenja o vremenskim uvjetima naročito opasnim za ekstremno brzo širenje i nepredvidivo ponašanje požara - uvedena 2012. s kompleksnijim kriterijima: dugotrajno jak vjetar, turbulencija (TKE) i vertikalna nestabilnost (Haines index)



**Državni hidrometeorološki zavod**  
Sektor za vremenske i pomorske analize i prognoze  
Zagreb, Ravnice 48

**DHMZ**

**Upozorenje za požare raslinja za 25. 7. 2021.**

Vrijeme izdavanja: 24. 7. 2021., 15:15

**NARANČASTO UPOZOORENJE**  
U zadarskom i Šibenskom arhipelagu umjereno jako jugo uz mogućnost povremenih olujnih udara.

**ŽUTO UPOZOORENJE**  
Puhat će umjereno jako, u dijelu Dalmacije, posebno na širem zadarskom i Šibenskom području i umjereno jako jugo uz mogućnost i za olujne udare.

---

**OPIS SINOPTIČKE SITUACIJE**  
Polje površenog tlaka slablje u odnosu na zapadu sporo prema namu napreduje frontalni sustav koji će se glavnom još zadržavati zapadnije od Alpa. Po visini slabljenje grebena i jačanje jugozapadne visinske struje ispred izražene doline nad zapadnom Europom,

- Tjedni izvještaji na video konferencijama ERCC-a (Emergency Response Coordinate Centre) na kojima sudjeluju Španjolska, Portugal, Grčka, Francuska, Italija i Hrvatska



# Uspješna međusektorska suradnja više državnih tijela Upozorenja na toplinske i hladne valove



Ministarstvo  
zdravstva



HRVATSKI ZAVOD  
ZA JAVNO ZDRAVSTVO



HRVATSKI ZAVOD  
ZA HITNU MEDICINU



	Pon 09.08.2021.	Uto 10.08.2021.	Sri 11.08.2021.	Čet 12.08.2021.	Pet 13.08.2021.
Osijek	Green	Green	Green	Green	Green
Zagreb	Green	Green	Green	Green	Green
Karlovac	Green	Green	Green	Green	Green
Gospic	Green	Green	Green	Green	Green
Knin	Yellow	Yellow	Orange	Orange	Yellow
Rijeka	Yellow	Yellow	Yellow	Orange	Yellow
Split	Yellow	Yellow	Orange	Orange	Yellow
Dubrovnik	Yellow	Yellow	Orange	Orange	Yellow

Opasnost:  
nema      umjerena      velika      vrlo velika

	Pet 12.02.2021.	Sub 13.02.2021.	Ned 14.02.2021.	Pon 15.02.2021.	Uto 16.02.2021.
Osijek	Grey	Cyan	Cyan	Cyan	Cyan
Zagreb	Grey	Cyan	Cyan	Cyan	Cyan
Karlovac	Grey	Cyan	Cyan	Cyan	Cyan
Gospic	Grey	Cyan	Cyan	Blue	Cyan
Knin	Grey	Cyan	Cyan	Cyan	Cyan
Rijeka	Grey	Cyan	Blue	Blue	Cyan
Split	Grey	Cyan	Blue	Blue	Cyan
Dubrovnik	Grey	Cyan	Cyan	Blue	Blue

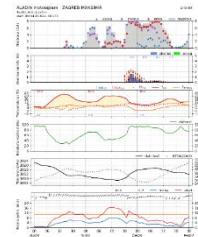
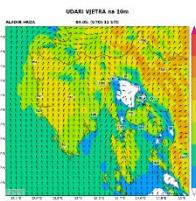
Opasnost:  
nema      umjerena      velika      vrlo velika



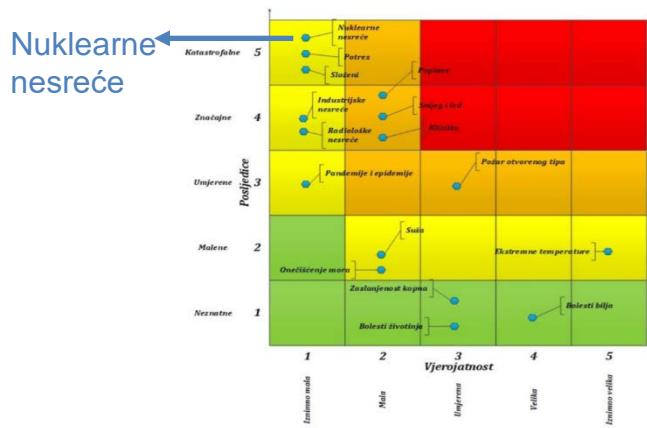
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[www.meteo.hr](http://www.meteo.hr)

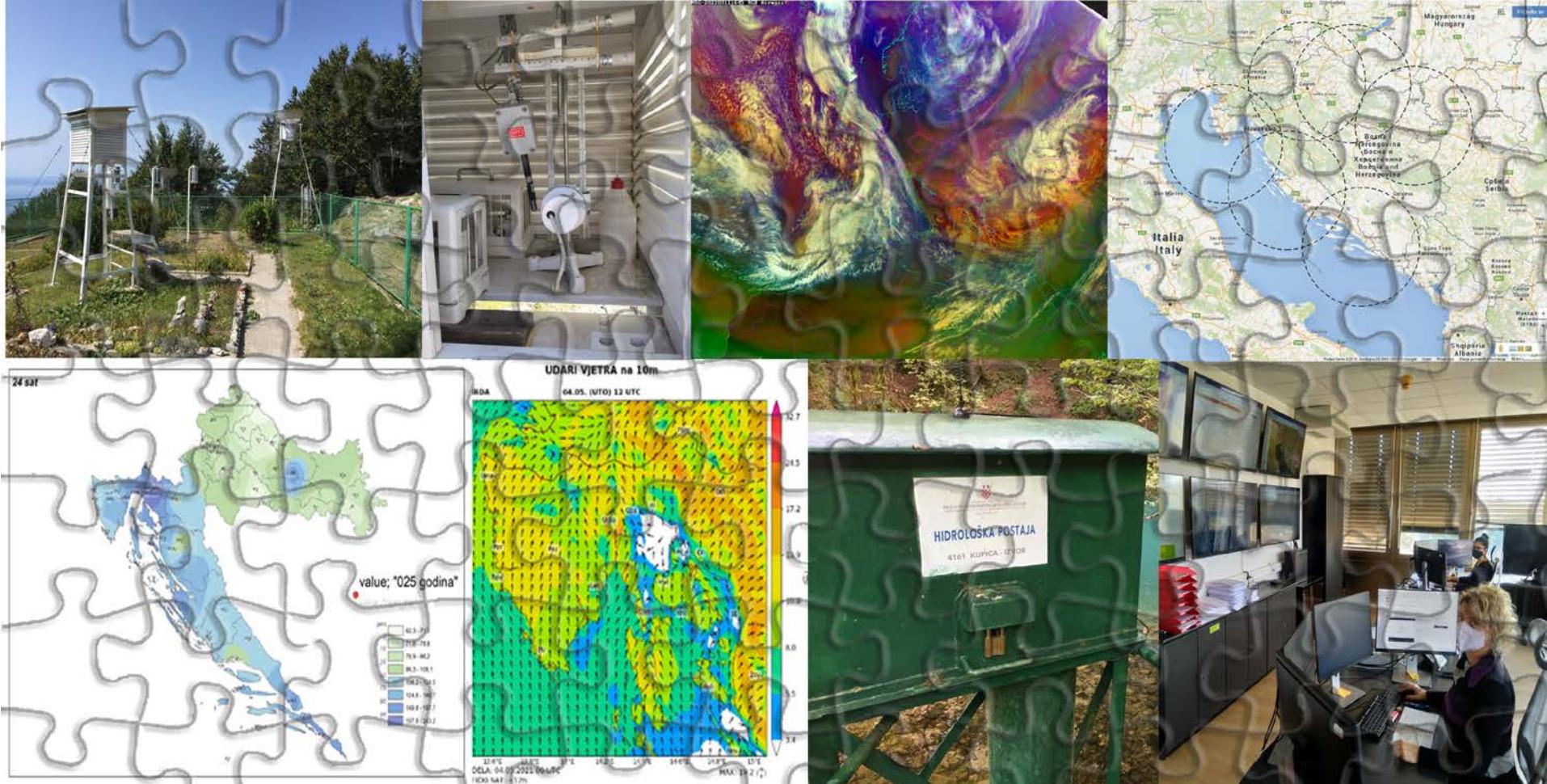
# ALADIN-HR – meteorološki prognostički produkti („3 dana“)



- ALADIN-HR – nacionalni numerički sustav za prognozu vremena
- Potpora provođenju Državnog plana civilne zaštite
- Potpora sustavu prognoziranja i upozoravanja DHMZ-a
- Potpora sustavima odlučivanja u gospodarstvu
- Nadzor rada 365/24/7 i osvježavanje prognoze svakih 6 sati



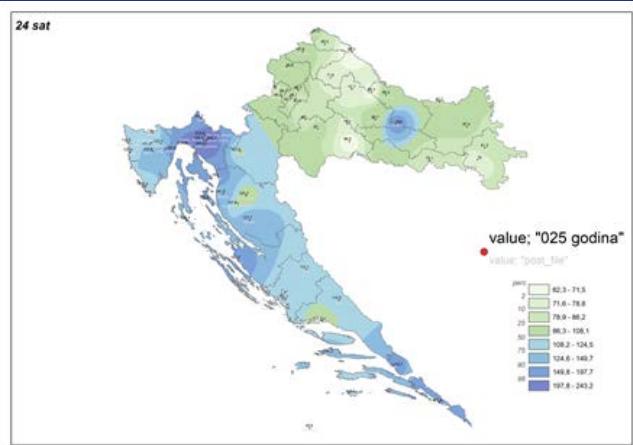
- U okviru **Državnog plana djelovanja civilne zaštite**
- ALADIN-HR - meteorološka podloga za **RODOS** - Sustav za potporu u odlučivanju u slučaju nuklearne nesreće u stvarnom vremenu



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[www.meteo.hr](http://www.meteo.hr)

HVALA NA PAŽNJI!



Incidents:

Lanes: 0-HR 2-EN

Headline (EN):

Valid from: 26.03.2023 15:30 ☰ Valid to: 28.03.2023 22:00 ☰

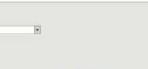
Attribute: ☰ Callout ☰

Description template: Objekt upravljač GRESKOVIC JASMIN

HR IST SJE XJE GS GB DAL JAD

Vjetar (Vjetar):

- Zato spoznaje za vjetar
- Maradiste spoznaje za vjetar
- Brojni spoznaje za vjetar



Wind speeds (m/s):

Region	Speed Range (m/s)
North (SJE)	0-10
Central (XJE)	11-20
South (GS)	21-30
East (DAL)	31-40
West (JAD)	41-50
North-East (IST)	51-60
South-West (HR)	61-70
South-Central (GB)	71-80
South-Western Islands (SJE)	81-90
North-Central Islands (XJE)	91-100
South-Central Islands (GS)	101-110
North-Eastern Islands (DAL)	111-120
South-Western Islands (JAD)	121-130
North-Central Islands (IST)	131-140
South-Central Islands (HR)	141-150
South-Central Islands (GB)	151-160
South-Central Islands (SJE)	161-170
South-Central Islands (XJE)	171-180
South-Central Islands (GS)	181-190
South-Central Islands (DAL)	191-200
South-Central Islands (JAD)	201-210
South-Central Islands (IST)	211-220
South-Central Islands (HR)	221-230
South-Central Islands (GB)	231-240
South-Central Islands (SJE)	241-250
South-Central Islands (XJE)	251-260
South-Central Islands (GS)	261-270
South-Central Islands (DAL)	271-280
South-Central Islands (JAD)	281-290
South-Central Islands (IST)	291-300
South-Central Islands (HR)	301-310
South-Central Islands (GB)	311-320
South-Central Islands (SJE)	321-330
South-Central Islands (XJE)	331-340
South-Central Islands (GS)	341-350
South-Central Islands (DAL)	351-360
South-Central Islands (JAD)	361-370
South-Central Islands (IST)	371-380
South-Central Islands (HR)	381-390
South-Central Islands (GB)	391-400
South-Central Islands (SJE)	401-410
South-Central Islands (XJE)	411-420
South-Central Islands (GS)	421-430
South-Central Islands (DAL)	431-440
South-Central Islands (JAD)	441-450
South-Central Islands (IST)	451-460
South-Central Islands (HR)	461-470
South-Central Islands (GB)	471-480
South-Central Islands (SJE)	481-490
South-Central Islands (XJE)	491-500
South-Central Islands (GS)	501-510
South-Central Islands (DAL)	511-520
South-Central Islands (JAD)	521-530
South-Central Islands (IST)	531-540
South-Central Islands (HR)	541-550
South-Central Islands (GB)	551-560
South-Central Islands (SJE)	561-570
South-Central Islands (XJE)	571-580
South-Central Islands (GS)	581-590
South-Central Islands (DAL)	591-600
South-Central Islands (JAD)	601-610
South-Central Islands (IST)	611-620
South-Central Islands (HR)	621-630
South-Central Islands (GB)	631-640
South-Central Islands (SJE)	641-650
South-Central Islands (XJE)	651-660
South-Central Islands (GS)	661-670
South-Central Islands (DAL)	671-680
South-Central Islands (JAD)	681-690
South-Central Islands (IST)	691-700
South-Central Islands (HR)	701-710
South-Central Islands (GB)	711-720
South-Central Islands (SJE)	721-730
South-Central Islands (XJE)	731-740
South-Central Islands (GS)	741-750
South-Central Islands (DAL)	751-760
South-Central Islands (JAD)	761-770
South-Central Islands (IST)	771-780
South-Central Islands (HR)	781-790
South-Central Islands (GB)	791-800
South-Central Islands (SJE)	801-810
South-Central Islands (XJE)	811-820
South-Central Islands (GS)	821-830
South-Central Islands (DAL)	831-840
South-Central Islands (JAD)	841-850
South-Central Islands (IST)	851-860
South-Central Islands (HR)	861-870
South-Central Islands (GB)	871-880
South-Central Islands (SJE)	881-890
South-Central Islands (XJE)	891-900
South-Central Islands (GS)	901-910
South-Central Islands (DAL)	911-920
South-Central Islands (JAD)	921-930
South-Central Islands (IST)	931-940
South-Central Islands (HR)	941-950
South-Central Islands (GB)	951-960
South-Central Islands (SJE)	961-970
South-Central Islands (XJE)	971-980
South-Central Islands (GS)	981-990
South-Central Islands (DAL)	991-1000
South-Central Islands (JAD)	1001-1010
South-Central Islands (IST)	1011-1020
South-Central Islands (HR)	1021-1030
South-Central Islands (GB)	1031-1040
South-Central Islands (SJE)	1041-1050
South-Central Islands (XJE)	1051-1060
South-Central Islands (GS)	1061-1070
South-Central Islands (DAL)	1071-1080
South-Central Islands (JAD)	1081-1090
South-Central Islands (IST)	1091-1100
South-Central Islands (HR)	1101-1110
South-Central Islands (GB)	1111-1120
South-Central Islands (SJE)	1121-1130
South-Central Islands (XJE)	1131-1140
South-Central Islands (GS)	1141-1150
South-Central Islands (DAL)	1151-1160
South-Central Islands (JAD)	1161-1170
South-Central Islands (IST)	1171-1180
South-Central Islands (HR)	1181-1190
South-Central Islands (GB)	1191-1200
South-Central Islands (SJE)	1201-1210
South-Central Islands (XJE)	1211-1220
South-Central Islands (GS)	1221-1230
South-Central Islands (DAL)	1231-1240
South-Central Islands (JAD)	1241-1250
South-Central Islands (IST)	1251-1260
South-Central Islands (HR)	1261-1270
South-Central Islands (GB)	1271-1280
South-Central Islands (SJE)	1281-1290
South-Central Islands (XJE)	1291-1300
South-Central Islands (GS)	1301-1310
South-Central Islands (DAL)	1311-1320
South-Central Islands (JAD)	1321-1330
South-Central Islands (IST)	1331-1340
South-Central Islands (HR)	1341-1350
South-Central Islands (GB)	1351-1360
South-Central Islands (SJE)	1361-1370
South-Central Islands (XJE)	1371-1380
South-Central Islands (GS)	1381-1390
South-Central Islands (DAL)	1391-1400
South-Central Islands (JAD)	1401-1410
South-Central Islands (IST)	1411-1420
South-Central Islands (HR)	1421-1430
South-Central Islands (GB)	1431-1440
South-Central Islands (SJE)	1441-1450
South-Central Islands (XJE)	1451-1460
South-Central Islands (GS)	1461-1470
South-Central Islands (DAL)	1471-1480
South-Central Islands (JAD)	1481-1490
South-Central Islands (IST)	1491-1500
South-Central Islands (HR)	1501-1510
South-Central Islands (GB)	1511-1520
South-Central Islands (SJE)	1521-1530
South-Central Islands (XJE)	1531-1540
South-Central Islands (GS)	1541-1550
South-Central Islands (DAL)	1551-1560
South-Central Islands (JAD)	1561-1570
South-Central Islands (IST)	1571-1580
South-Central Islands (HR)	1581-1590
South-Central Islands (GB)	1591-1600
South-Central Islands (SJE)	1601-1610
South-Central Islands (XJE)	1611-1620
South-Central Islands (GS)	1621-1630
South-Central Islands (DAL)	1631-1640
South-Central Islands (JAD)	1641-1650
South-Central Islands (IST)	1651-1660
South-Central Islands (HR)	1661-1670
South-Central Islands (GB)	1671-1680
South-Central Islands (SJE)	1681-1690
South-Central Islands (XJE)	1691-1700
South-Central Islands (GS)	1701-1710
South-Central Islands (DAL)	1711-1720
South-Central Islands (JAD)	1721-1730
South-Central Islands (IST)	1731-1740
South-Central Islands (HR)	1741-1750
South-Central Islands (GB)	1751-1760
South-Central Islands (SJE)	1761-1770
South-Central Islands (XJE)	1771-1780
South-Central Islands (GS)	1781-1790
South-Central Islands (DAL)	1791-1800
South-Central Islands (JAD)	1801-1810
South-Central Islands (IST)	1811-1820
South-Central Islands (HR)	1821-1830
South-Central Islands (GB)	1831-1840
South-Central Islands (SJE)	1841-1850
South-Central Islands (XJE)	1851-1860
South-Central Islands (GS)	1861-1870
South-Central Islands (DAL)	1871-1880
South-Central Islands (JAD)	1881-1890
South-Central Islands (IST)	1891-1900
South-Central Islands (HR)	1901-1910
South-Central Islands (GB)	1911-1920
South-Central Islands (SJE)	1921-1930
South-Central Islands (XJE)	1931-1940
South-Central Islands (GS)	1941-1950
South-Central Islands (DAL)	1951-1960
South-Central Islands (JAD)	1961-1970
South-Central Islands (IST)	1971-1980
South-Central Islands (HR)	1981-1990
South-Central Islands (GB)	1991-2000
South-Central Islands (SJE)	2001-2010
South-Central Islands (XJE)	2011-2020
South-Central Islands (GS)	2021-2030
South-Central Islands (DAL)	2031-2040
South-Central Islands (JAD)	2041-2050
South-Central Islands (IST)	2051-2060
South-Central Islands (HR)	2061-2070
South-Central Islands (GB)	2071-2080
South-Central Islands (SJE)	2081-2090
South-Central Islands (XJE)	2091-2100
South-Central Islands (GS)	2101-2110
South-Central Islands (DAL)	2111-2120
South-Central Islands (JAD)	2121-2130
South-Central Islands (IST)	2131-2140
South-Central Islands (HR)	2141-2150
South-Central Islands (GB)	2151-2160
South-Central Islands (SJE)	2161-2170
South-Central Islands (XJE)	2171-2180
South-Central Islands (GS)	2181-2190
South-Central Islands (DAL)	2191-2200
South-Central Islands (JAD)	2201-2210
South-Central Islands (IST)	2211-2220
South-Central Islands (HR)	2221-2230
South-Central Islands (GB)	2231-2240
South-Central Islands (SJE)	2241-2250
South-Central Islands (XJE)	2251-2260
South-Central Islands (GS)	2261-2270
South-Central Islands (DAL)	2271-2280
South-Central Islands (JAD)	2281-2290
South-Central Islands (IST)	2291-2300
South-Central Islands (HR)	2301-2310
South-Central Islands (GB)	2311-2320
South-Central Islands (SJE)	2321-2330
South-Central Islands (XJE)	2331-2340
South-Central Islands (GS)	2341-2350
South-Central Islands (DAL)	2351-2360
South-Central Islands (JAD)	2361-2370
South-Central Islands (IST)	2371-2380
South-Central Islands (HR)	2381-2390
South-Central Islands (GB)	2391-2400
South-Central Islands (SJE)	2401-2410
South-Central Islands (XJE)	2411-2420
South-Central Islands (GS)	2421-2430
South-Central Islands (DAL)	2431-2440
South-Central Islands (JAD)	2441-2450
South-Central Islands (IST)	2451-2460
South-Central Islands (HR)	2461-2470
South-Central Islands (GB)	2471-2480
South-Central Islands (SJE)	2481-2490
South-Central Islands (XJE)	2491-2500
South-Central Islands (GS)	2501-2510
South-Central Islands (DAL)	2511-2520
South-Central Islands (JAD)	2521-2530
South-Central Islands (IST)	2531-2540
South-Central Islands (HR)	2541-2550
South-Central Islands (GB)	2551-2560
South-Central Islands (SJE)	2561-2570
South-Central Islands (XJE)	2571-2580
South-Central Islands (GS)	2581-2590
South-Central Islands (DAL)	2591-2600
South-Central Islands (JAD)	2601-2610
South-Central Islands (IST)	2611-2620
South-Central Islands (HR)	2621-2630
South-Central Islands (GB)	2631-2640
South-Central Islands (SJE)	2641-2650
South-Central Islands (XJE)	2651-2660
South-Central Islands (GS)	2661-2670
South-Central Islands (DAL)	2671-2680
South-Central Islands (JAD)	2681-2690
South-Central Islands (IST)	2691-2700
South-Central Islands (HR)	2701-2710
South-Central Islands (GB)	2711-2720
South-Central Islands (SJE)	2721-2730
South-Central Islands (XJE)	2731-2740
South-Central Islands (GS)	2741-2750
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South-Central Islands (XJE)	2891-2900
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South-Central Islands (JAD)	2921-2930
South-Central Islands (IST)	2931-2940
South-Central Islands (HR)	2941-2950
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South-Central Islands (XJE)	2971-2980
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South-Central Islands (JAD)	3001-3010
South-Central Islands (IST)	3011-3020
South-Central Islands (HR)	3021-3030
South-Central Islands (GB)	3031-3040
South-Central Islands (SJE)	3041-3050
South-Central Islands (XJE)	3051-3060
South-Central Islands (GS)	3061-3070
South-Central Islands (DAL)	3071-3080
South-Central Islands (JAD)	3081-3090
South-Central Islands (IST)	3091-3100
South-Central Islands (HR)	3101-3110
South-Central Islands (GB)	3111-3120
South-Central Islands (SJE)	3121-3130
South-Central Islands (XJE)	3131-3140
South-Central Islands (GS)	3141-3150
South-Central Islands (DAL)	3151-3160
South-Central Islands (JAD)	3161-3170
South-Central Islands (IST)	3171-3180
South-Central Islands (HR)	3181-3190
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South-Central Islands (SJE)	3201-3210
South-Central Islands (XJE)	3211-3220
South-Central Islands (GS)	3221-3230
South-Central Islands (DAL)	3231-3240
South-Central Islands (JAD)	3241-3250
South-Central Islands (IST)	3251-3260
South-Central Islands (HR)	3261-3270
South-Central Islands (GB)	3271-3280
South-Central Islands (SJE)	3281-3290
South-Central Islands (XJE)	3291-3300
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South-Central Islands (JAD)	3321-3330
South-Central Islands (IST)	3331-3340
South-Central Islands (HR)	3341-3350
South-Central Islands (GB)	3351-3360
South-Central Islands (SJE)	3361-3370
South-Central Islands (XJE)	3371-3380
South-Central Islands (GS)	3381-3390
South-Central Islands (DAL)	3391-3400
South-Central Islands (JAD)	3401-3410
South-Central Islands (IST)	3411-3420
South-Central Islands (HR)	3421-3430
South-Central Islands (GB)	3431-3440
South-Central Islands (SJE)	3441-3450
South-Central Islands (XJE)	3451-3460
South-Central Islands (GS)	3461-3470
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South-Central Islands (JAD)	3481-3490
South-Central Islands (IST)	3491-3500
South-Central Islands (HR)	3501-3510
South-Central Islands (GB)	3511-3520
South-Central Islands (SJE)	3521-3530
South-Central Islands (XJE)	3531-3540
South-Central Islands (GS)	3541-3550
South-Central Islands (DAL)	3551-3560
South-Central Islands (JAD)	3561-3570
South-Central Islands (IST)	3571-3580
South-Central Islands (HR)	3581-3590
South-Central Islands (GB)	3591-3600
South-Central Islands (SJE)	3601-3610
South-Central Islands (XJE)	3611-3620
South-Central Islands (GS)	3621-3630
South-Central Islands (DAL)	3631-3640
South-Central Islands (JAD)	3641-3650
South-Central Islands (IST)	3651-3660
South-Central Islands (HR)	3661-3670
South-Central Islands (GB)	3671-3680
South-Central Islands (SJE)	3681-3690
South-Central Islands (XJE)	3691-3700
South-Central Islands (GS)	3701-3710
South-Central Islands (DAL)	3711-3720
South-Central Islands (JAD)	3721-3730
South-Central Islands (IST)	3731-3740
South-Central Islands (HR)	3741-3750
South-Central Islands (GB)	3751-3760
South-Central Islands (SJE)	3761-3770
South-Central Islands (XJE)	3771-3780
South-Central Islands (GS)	3781-3790
South-Central Islands (DAL)	3791-3800
South-Central Islands (JAD)	3801-3810
South-Central Islands (IST)	3811-3820
South-Central Islands (HR)	3821-3830
South-Central Islands (GB)	3831-3840
South-Central Islands (SJE)	3841-3850
South-Central Islands (XJE)	3851-3860
South-Central Islands (GS)	3861-3870
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South-Central Islands (JAD)	3881-3890
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South-Central Islands (HR)	3901-3910
South-Central Islands (GB)	3911-3920
South-Central Islands (SJE)	3921-3930
South-Central Islands (XJE)	3931-3940
South-Central Islands (GS)	3941-3950
South-Central Islands (DAL)	3951-3960
South-Central Islands (JAD)	3961-3970
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South-Central Islands (XJE)	4011-4020
South-Central Islands (GS)	4021-4030
South-Central Islands (DAL)	4031-4040
South-Central Islands (JAD)	4041-4050
South-Central Islands (IST)	4051-4060
South-Central Islands (HR)	4061-4070
South-Central Islands (GB)	4071-4080
South-Central Islands (SJE)	4081-4090
South-Central Islands (XJE)	4091-4100
South-Central Islands (GS)	4101-4110
South-Central Islands (DAL)	4111-4120
South-Central Islands (JAD)	4121-4130
South-Central Islands (IST)	4131-4140
South-Central Islands (HR)	4141-4150
South-Central Islands (GB)	4151-4160
South-Central Islands (SJE)	4161-4170
South-Central Islands (XJE)	4171-4180
South-Central Islands (GS)	4181-4190
South-Central Islands (DAL)	

