WMO OMM



World Meteorological Organization Organisation météorologique mondiale Organización Meteorológica Mundial Всемирная метеорологическая организация المنظمة العالمية للأرصاد الجوية 世界气象组织

Secrétariat

7 bis, avenue de la Paix – Case postale 2300 CH 1211 Genève 2 – Suisse Tél.: +41 (0) 22 730 81 11 Fax: +41 (0) 22 730 81 81 wmo@wmo.int – public.wmo.int

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Annex: 1

Subject: MEDARE Data Rescue and Datasets release

Action required: To nominate a focal point

Dear Madam/Sir,

The World Meteorological Organization (WMO) Mediterranean Climate Data Rescue (MEDARE) initiative was launched in November 2008 as a collaboration between WMO, the University of Rovira I Virgili and the Agencia Estatal of Meteorologia in Spain, and the National Meteorological and Hydrological Services (NMHSs) in the Greater Mediterranean Region (GMR). MEDARE seeks the development of high quality climate datasets over the GMR through the establishment of data rescue projects, training of climatologists of the NMHSs and undertaking resource mobilization efforts for data rescue activities.

In 2011, WMO signed a Memorandum of Understanding (MoU) with the University of Rovira i Virgili (URV) in Tarragona, Spain, which was updated in July 2017 with a main purpose of collaborating on the WMO MEDARE initiative. A MEDARE portal has been developed, hosted, maintained and populated by the Climate Change Centre (C3) of URV.

MEDARE involves 25 NMHSs in the GMR and a number of research institutions and projects in Europe and elsewhere. Within the MEDARE framework a number of workshops, training events and side events at international conferences and WMO constituent bodies have been organized, and technical reports and research papers have been published. Several projects to recover old climate observations in collaboration with NMHSs in the region and international organizations have also been conducted.

MEDARE also provides a good platform for collaboration to enhance data availability and access based on the agreed data arrangement of MEDARE Members and Resolution 60 (Cg-17) on WMO policy for the international exchange of climate data and products to support the implementation of the Global Framework for Climate Services.

With the financial support of the European Union-funded project entitled "Uncertainties in Ensembles of Regional Reanalysis" (UERRA) and the scientific and technical support of C3, about 9 million climatological observations including data belonging to the twentieth and even nineteenth centuries have been recovered and digitized.

The attached list provides a summary of the climatological observations rescued and restored under the MEDARE and UERRA efforts. Some of the data recovered include climate observations belonging to your country.

To: Permanent Representatives with WMO of Algeria, Bosnia and Herzegovina, Croatia, Cyprus, Czechia, Egypt, Germany, Lebanon, Morocco, Serbia, Slovakia, Slovenia, Spain, Tunisia and Turkey (limited distribution)

I am glad to inform you that under the WMO/URV MoU, these data are made freely available to the countries of origin. I therefore kindly invite you to nominate a focal point from your institution to access your country data and provide contact information to Mr Omar Baddour (obaddour@wmo.int), Chief Data Management Applications Division, who is the WMO focal point for providing additional information and facilitating the liaison with the C3 of URV on MEDARE matters.

Yours faithfully,

altance

(E. Manaenkova) for the Secretary-General

SUMMARY OF CLIMATOLOGICAL OBSERVATIONS RECOVERED AND RESTORED BY URV-C3 UNDER THE MEDARE INITIATIVE AND UERRA PROJECT EFFORTS

| Country | No. stations | Period covered | Variables | Obs. per day | Total digitized |
|-------------|-----------------|----------------|----------------------------|-----------------|--------------------|
| Algeria | 21 | 1877–1968 | TT/PP/WD/FF/DP | 4 | 684 114 |
| Bosnia and | 2 | 1953–1984 | SP/TT/RH/WD/FF | 3 | 125 831 |
| Herzegovina | | | | | |
| Croatia | 2 | 1949–1984 | SP/TT/RH/WD/FF | 3 | 391 789 |
| Cyprus | 2 | 1881–1922 | TT | 2 | 45 070 |
| Czechia | 7 | 1948–1968 | TT/PP/SP/RH/WD/FF | 6 | 379 582 |
| Egypt | 18 | 1907–1957 | TT/PP/RH/DP/WD/FF | 6 | 1 371 436 |
| Germany | 23 | 1958–1978 | TT/PP/RR/RH/WD/FF/FS/SD | Up to 24 | 697 308 |
| Lebanon | 1 | 1930–1939 | SP/TT/RH | 24 | 262 944 |
| Morocco | 8 | 1910–1968 | PP/SP/TT/WD/FF/DP | 4 | 340 563 |
| Serbia | 3 | 1949–2012 | SP/TT/RH/WD/FF | 3 | 358 898 |
| Slovakia | 2 | 1940–1967 | TT/PP/SP/RH/WD/FF | 6 | 248 751 |
| Slovenia | 3 | 1950–1978 | TT/PP/DP/RH/WD/FF/RR/FS/SD | Up to 24 | 2 507 878 |
| Spain | 5 | 1954-1984 | TT/PP/ RH/WD/FF | 5 | 194274 |
| Tunisia | 5 | 1886–1938 | PP/TT/WD/FF | 1 | 174 900 |
| Turkey | 25 | 1962–1971 | SP/TT/RH/WD/FF | 3 | 1 028 898 |

Note: The period covered is not always the same for all stations of a given country.

Variables acronyms, their meanings and units:

- TT Air temperature (°C)
- PP Sea-level pressure (hPa)
- SP Station-level pressure (hPa)
- RH Relative humidity (percentage)
- WD Wind direction (degrees from north)
- FF Wind speed (m/s)
- DP Dew-point temperature (°C)
- RR Precipitation, rainfall (mm)
- FS Fresh snow (cm)
- SD Snow depth (cm)