



DMCSEE Expert Meeting Ljubljana, Slovenia13-14 November 2024

HNMS- Hellenic National Meteorological Service

Athens GREECE

Anastasia Papakrivou Hellenic National Meteorological Service (HNMS) Head of Agrometeorology Department anastasia.papakrivou@hnms.gr







HELLENIC NATIONAL METEOROLOGICAL SERVICE EL. VENIZELOU 14 - 16777 ELLINIKO - ATHENS- GREECE

DMCSEE Expert meeting, 13-14 November 2024







Hellenic National Meteorological Service (HNMS) is in a transitional phase, from the Ministry of National Defence, to the Ministry for Climate Crisis and







National drought monitoring products

Currently no "national" drought monitoring products are available.

At the local level, drought monitoring is carried out occasionally, usually for research purposes.

In **2021**, a committee of scientists from various fields was established under the Ministry of Rural Development and Food to draft a "National Action Plan against drought and desertification".

	ogical C	oata							Se	pte	mbe	r 2	024	
3rd 10-day period (21-30/09/2024)		21	22	23	24	25	26	27	28	29	30	Mean Value or Sum	Previous Year Value	Past Years
	Max	24.8	27.6	28.5	28.4	30.8	31.4	31.6	32.2	31.4	25.2	29.2	28.4	27
Temperature	Min	16.4	12.0	10.6	12.8	12.8	13.7	13.8	15.0	14.2	14.8	13.6	16.7	13
Relative Humidity	Max	100	100	100	100	100	100	100	100	100	70	97	100	-
	Min	18	31	25	22	31	10	34	33	18	26	25	45	-
Soil Tempera- ture at 10 cm	06 UTC	-	-	-	-	-	-	-	-	-	-	-	-	20
	12 UTC	-	-	-	-	-	-	-	-	-	-	-	-	22
Sunshine Duration		2.3	9.4	10.0	5.0	9.1	9.3	9.3	10.6	8.5	10.1	8.4	5.6	7.
Precipitation													27.8	7.
Evaporation		2.5	3.9	2.8	2.3	0.0	2.8	2.1	4.0	5.8	0.0	26.2	-	51
Growing Degrees	5	15.6	14.8	14.6	15.6	16.8	17.6	17.7	18.6	17.8	15.0	164.0	175.2	15:
	10	10.6	9.8	9.6	10.6	11.8	12.6	12.7	13.6	12.8	10.0	114.0	125.2	10:
Reference Evapotranspiration Precipitation - Reference Evapotranspiration Number of Rainy Days Number of Dry Days		31.6 -31.6	-	31.7	+	The	missi				ables f data	s are d L	due to	o tł





• Data sources (regional, international services) used

The **Agrometeorology Department**, particularly over the last two years **as the drought issue has become increasingly visible**, has been actively working to **inform and raise awareness** on this topic.

The issue of **drought** is multifaceted and **involves many stakeholders**. **Monitoring** specifically should be the **responsibility of HNMS**.

Data and materials from the **DMCSEE bulletins** and the **EDO JRC** are used in these efforts.





• Cooperation with other drought experts and institutions

Collaborations are constrained by a lack of communication, coordination, and overlapping responsibilities within national institutions.

e.g. A parliamentary inquiry addressing drought, water scarcity, aridity, and desertification was directed to **five different ministries** with shared jurisdiction:

- Ministry of Rural Development and Food
- Ministry of Environment and Energy
- Ministry of Economy and Finance
- Ministry of Infrastructure and Transport
- Ministry of National Defense (HNMS)





• Recent drought-related projects or relevant activities your institution is engaged in

The prolonged lack of human and material resources, combined with the current operational framework of the HNMS, hinders its ability to participate in projects.

Good news

After many years, the installation of a modern network of automatic **Met. Stations** is now being completed.





Upgrade and Extension of Surface & Upper Air Observation Network

- 50 Automatic Weather Stations (AWS)
- 30 Environmental AWS (E-AWS)
- 10 Portable AWS (P-AWS)
- 10 Shipboard AWS (S-AWS)
- 3 Automatic Radiosonde Systems (ARS)







DMCSEE Expert Meeting Ljubljana, Slovenia 13-14 November 2024

Thank you for your attention

Anastasia Papakrivou anastasia.papakrivou@hnms.gr