

Annex

Country: Georgia

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VERIFICATION OF THE SEECOF-28 WINTER 2022/2023 CLIMATE OUTLOOK FOR THE TERRITORY OF GEORGIA

1. SEECOF-28 Climate outlook for the 2022/2023 winter season:

Temperature: According to the SEECOF-28 consensus, the statement temperature was expected to be near or above normal for all over the country. Verification showed that the winter period in the country temperature was above and near the norm, so the outlook for Georgia was correct.



Figure 1. Graphical presentation of the 2022/2023 winter temperature outlook

2. Analysis of the 2021/2022 winter season:

winter temperatures (reference period 1981-2010)

In winter mean seasonal temperature was near the normal and above the normal by 1°C in the country, Exceptions of several stations where the temperature was by 2°C above the norm.

In winter season December and January were warmer than February, especially in west Georgia.

In December and January air temperature was near the normal and above the normal by 1-2°C, except Ambrolauri (mountain) where temperature was above norm by 4 in December and 3 in January.

February was the coldest period in season, in the most territory of west Georgia air temperature was below the norm by 1°C and near the norm in the most territory of east Georgia.

WINTER 2022/2023

TEMPERATURE

Name	Obs	DECEMBER	JANUARY	FEBRUARY	DJF_Obs	Dev	DECEMBER	JANUARY	FEBRUARY	DJF Dev
WEST GEORGIA										
Poti	Obs	10.5	9.2	6.9	8.8	Dev	1.7	2.3	-1.1	1.0
Qobuleti	Obs	10.1	7.9	6.3	8.1	Dev	2.1	1.5	-0.7	1.0
Zugdidi	Obs	9.3	8.6	6.1	8.0	Dev	1.4	2.8	-1.0	1.1
Qutaisi	Obs	10.1	8.4	5.4	7.9	Dev	1.8	2.1	-1.9	0.7
Zestaphoni	Obs	7.7	6.7	3.9	6.1	Dev	0.5	1.6	-2.3	-0.1
Sachkhere	Obs	5.7	4.6	2.6	4.3	Dev	2.0	2.5	-1.2	1.1
Ambrolauri	Obs	6.5	4.4	2.1	4.3	Dev	4.1	3.7	-0.9	2.3
Mta-Sabueti	Obs	-0.5	-2.3	-3.2	-2.0	Dev	0.1	0.2	-1.3	-0.4
EAST GEORGIA										
Khashuri	Obs	2.7	1.2	1.8	1.9	Dev	1.4	1.4	0.5	1.1
Gori	Obs	3.4	2.0	2.6	2.7	Dev	1.5	1.4	0.4	1.1
Tbilisi	Obs	4.7	3.5	4.8	4.3	Dev	0.3	0.3	0.3	0.3
Bolnisi	Obs	3.1	2.5	3.9	3.1	Dev	-0.7	0.0	0.2	-0.2
Telavi	Obs	3.0	2.0	2.7	2.5	Dev	-0.9	-0.2	-0.9	-0.6
Dedoplistskaro	Obs	2.1	0.5	0.9	1.1	Dev	-0.7	-0.3	-1.1	-0.7
Sagarejo	Obs	2.6	2.0	3.2	2.6	Dev	-1.1	-0.1	0.2	-0.3
Pasanauri	Obs	1.6	-0.2	-0.8	0.2	Dev	1.9	2.0	-0.5	1.2
Tianeti	Obs	0.6	-1.7	-2.8	-1.3	Dev	1.1	0.7	-1.9	0.0
Borjomi	Obs	3.1	0.6	2.1	1.9	Dev	1.7	0.4	0.4	0.8
Akhaltzikhe	Obs	2.2	-1.1	-0.8	0.1	Dev	2.5	1.1	-0.8	0.9
Tsalka	Obs	-0.5	-2.8	-2.9	-2.0	Dev	1.1	0.7	-0.6	0.4
Akhalqalaqi	Obs	0.2	-3.5	-5.3	-2.9	Dev	4.1	3.2	0.1	2.5

Precipitation: According to the SEECOF-28 outlook for winter 2022/2023, precipitation was below normal for Black Sea coast and no clear signal for the rest territory of Georgia. Climatological monitoring showed that Precipitation was near the norm in almost the entire western part of Georgia, including the Black Sea coast and In the east part of the country it was below and near normal, so the outlook for Georgia was incorrect.



Figure 2. Graphical presentation of the 2022/2023 winter precipitation outlook

2. Analysis of the 2022/2023 winter season:

Winter Precipitation (reference period 1981-2010)

The winter 2022/2023 precipitation was near the norm almost all over the west part of Georgia and In the east part of the country it was below and near normal.

In December and January precipitation was below the norm almost all over the country.

In February precipitation was above the norm for all over west Georgia, Shida Kartli and in the mountainous regions of Eastern Georgia, on the rest part of the country it was below and near the norm.

WINTER 2021/2022

PRECIPITATION

Name	Obs	DECEMBER	JANUAR	FEBRUAR	DJF_Obs	Dev	DECEMBER	JANUAR	FEBRUAR	DJF Dev
WEST GEORGIA										
Poti	Obs	168	26	251	148	Dev	108%	17%	205%	110%
Qobuleti	Obs	218	128	347	231	Dev	92%	60%	197%	116%
Zugdidi	Obs	64	15	173	84	Dev	45%	10%	129%	61%
Qutaisi	Obs	58	44	251	118	Dev	38%	26%	215%	93%
Zestaphoni	Obs	76	98	333	169	Dev	56%	62%	267%	128%
Sachkhere	Obs	25	34	141	67	Dev	29%	41%	207%	92%
Ambrolauri	Obs	32	34	171	79	Dev	32%	35%	272%	113%
Mta-Sabueti	Obs	76	64	179	107	Dev	59%	42%	144%	82%
EAST GEORGIA										
Khashuri	Obs	25	20	87	44	Dev	46%	32%	213%	97%
Gori	Obs	20	15	69	34	Dev	58%	45%	243%	115%
Tbilisi	Obs	19	12	13	14	Dev	86%	76%	70%	77%
Bolnisi	Obs	41	10	12	21	Dev	195%	57%	49%	101%
Telavi	Obs	18	12	28	19	Dev	60%	53%	99%	71%
Dedoplistskaro	Obs	35	29	41	35	Dev	154%	126%	144%	141%
Sagarejo	Obs	33	21	20	25	Dev	101%	84%	63%	83%
Pasanauri	Obs	7	2	42	17	Dev	12%	5%	98%	38%
Tianeti	Obs	13	17	60	30	Dev	39%	64%	203%	102%
Borjomi	Obs	16	11	57	28	Dev	40%	27%	163%	76%
Akhaltzikhe	Obs	17	9	38	21	Dev	63%	39%	154%	86%
Tsalka	Obs	12	10	14	12	Dev	50%	58%	59%	56%

3. Verification of the SEECOF-28 climate outlook for the 2022/2023 winter season:

Country	Seasonal temperature (DJF)		Seasonal precipitation (DJF)	
	Observed	SEECOF-28 climate outlook for temperature	Observed	SEECOF-28 climate outlook for precipitation
Georgia	Above and Near Normal	Above and Near Normal	Near Normal or Below	Below and No Signal