

Annex

Country: Georgia

Institute: National Environmental Agency (NEA)

Name: Khatuna Kokosadze

E-mail: kokosadze.k@gmail.com

VERIFICATION OF THE SEECOF-26 WINTER 2021/2022 CLIMATE OUTLOOK FOR THE TERRITORY OF GEORGIA

1. SEECOF-26 Climate outlook for the 2021/2022 winter season:

Temperature: According to the SEECOF-26 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 was warm except the several stations, where temperature was near the norm, so the outlook for Georgia was correct.



Figure 1. Graphical presentation of the 2021/2022 winter temperature outlook

2. Analysis of the 2021/2022 winter season:

winter temperatures (reference period 1981-2010)

In winter mean seasonal temperature was above the normal by 1-2⁰C on the most territory of Georgia.
In December air temperature was above the normal by 1-2⁰C.

In winter season January was the coldest period when air temperature was near the norm, Exceptions were several stations in eastern Georgia where the temperature was 1⁰C above the norm.

February was the warmest period in season, air temperature was above the norm by 2-4⁰C.

WINTER 2021/2022

TEMPERATURE

Name	Obs	DECEMBER	JANUARY	FEBRUARY	DJF_Obs	Dev	DECEMBER	JANUARY	FEBRUARY	DJF Dev
WEST GEORGIA										
Poti	Obs	10.3	7.0	9.2	8.8	Dev	1.6	0.1	2.0	1.2
Qobuleti	Obs	9.8	6.4	8.7	8.3	Dev	1.8	0.0	2.2	1.3
Zugdidi	Obs	10.9	6.5	9.3	8.9	Dev	3.0	0.7	3.0	2.2
Qutaisi	Obs	10.2	5.8	9.4	8.5	Dev	1.8	-0.4	2.8	1.4
Zestaphoni	Obs	7.2	3.9	7.2	6.1	Dev	0.0	-1.2	1.6	0.1
Sachkhere	Obs	5.6	2.6	5.9	4.7	Dev	1.9	0.6	2.9	1.8
Ambrolauri	Obs	5.2	1.2	5.5	4.0	Dev	2.8	0.5	3.3	2.2
Mta-Sabueti	Obs	1.4	-2.2	0.5	-0.1	Dev	1.9	0.3	2.8	1.7
EAST GEORGIA										
Khashuri	Obs	2.4	0.3	3.9	2.2	Dev	1.0	0.5	3.5	1.7
Gori	Obs	3.7	1.0	4.8	3.2	Dev	1.8	0.4	3.4	1.9
Tbilisi	Obs	5.6	3.9	7.3	5.6	Dev	1.2	0.7	3.4	1.8
Bolnisi	Obs	5.3	3.9	6.9	5.4	Dev	1.6	1.4	3.8	2.2
Telavi	Obs	5.7	3.4	6.2	5.1	Dev	1.9	1.2	3.1	2.1
Dedoplistskaro	Obs	4.2	2.3	4.7	3.7	Dev	1.4	1.5	3.2	2.1
Sagarejo	Obs	5.7	4.0	6.3	5.3	Dev	1.9	1.8	4.0	2.6
Pasanauri	Obs	1.7	-1.6	2.5	0.9	Dev	2.0	0.6	3.3	2.0
Tianeti	Obs	0.7	-2.6	-0.2	-0.7	Dev	1.2	-0.2	1.2	0.7
Borjomi	Obs	2.6	0.2	3.8	2.2	Dev	1.2	0.0	2.9	1.4
Akhaltzikhe	Obs	1.0	-2.7	2.3	0.2	Dev	1.2	-0.5	2.9	1.2
Tsalka	Obs	1.0	-2.2	-0.3	-0.5	Dev	2.5	1.2	2.8	2.2
Akhalqalaqi	Obs	-1.9	-5.2	-1.0	-2.7	Dev	2.1	1.5	5.0	2.9

Precipitation: According to the SEECOF-26 outlook for winter 2021/2022, precipitation was no clear signal for Georgia. Climatological monitoring showed that the winter was dry and near the norm almost all over Georgia.



Figure 2. Graphical presentation of the 2021/2022 winter precipitation outlook

2. Analysis of the 2021/2022 winter season:

Winter Precipitation (reference period 1981-2010)

The winter 2021/2022 in Georgia was near the norm almost all over the west part and below the norm in the east part of the country.

In December precipitation was near the norm on the Kolkheti Low-Land and in Akhaltsikhe (mountain in east Georgia); above the norm in Poti (costal of Black Sea) and Borjomi (mountain in east Georgia), on the rest part of the country it was below the norm.

In January precipitation was above and near the norm in west Georgia; below and near the norm in the east part of the country.

February was the driest month in the winter season. Precipitation was below the norm all over the country, only in Zugdidi was near the norm.

WINTER 2021/2022
PRECIPITATION

Name	Obs	DECEMBER	JANUAR	FEBRUAR	DJF_Obs	Dev	DECEMBER	JANUAR	FEBRUAR	DJF Dev
WEST GEORGIA										
Poti	Obs	197	259	85	541	Dev	126%	167%	67%	120%
Qobuleti	Obs	268	423	137	828	Dev	112%	200%	77%	130%
Zugdidi	Obs	131	238	115	484	Dev	91%	157%	82%	110%
Qutaisi	Obs	149	214	90	453	Dev	98%	130%	74%	101%
Zestaphoni	Obs	119	200	75	394	Dev	88%	126%	60%	91%
Sachkhere	Obs	64	99	36	200	Dev	74%	120%	53%	83%
Ambrolauri	Obs	77	83	42	202	Dev	76%	86%	60%	74%
Mta-Sabueti	Obs	94	198	88	380	Dev	73%	129%	67%	90%
EAST GEORGIA										
Khashuri	Obs	38	55	14	108	Dev	70%	89%	29%	63%
Gori	Obs	21	35	8	65	Dev	61%	104%	26%	64%
Tbilisi	Obs	4	2	1	7	Dev	18%	11%	4%	11%
Bolnisi	Obs	8	44	4	57	Dev	38%	258%	17%	104%
Telavi	Obs	8	4	2	13	Dev	25%	17%	5%	16%
Dedoplistskaro	Obs	3	6	5	14	Dev	13%	27%	16%	19%
Sagarejo	Obs	2	9	2	13	Dev	5%	35%	5%	15%
Pasanauri	Obs	40	12	2	54	Dev	73%	28%	3%	35%
Tianeti	Obs	10	6	3	19	Dev	30%	20%	8%	19%
Borjomi	Obs	56	39	13	108	Dev	137%	98%	31%	89%
Akhaltzikhe	Obs	29	27	4	60	Dev	109%	111%	14%	78%
Tsalka	Obs	8	7	5	21	Dev	35%	43%	18%	32%

3. Verification of the SEECOF-26 climate outlook for the 2021/2022 winter season:

Country	Seasonal temperature (DJF)		Seasonal precipitation (DJF)	
	Observed	SEECOF-26 climate outlook for temperature	Observed	SEECOF-26 climate outlook for precipitation
Georgia	Above and Near the Normal	Near or Above Normal	Below or Near the Normal	No Signal