

Annex

Country: Georgia

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VERIFICATION OF THE SEECOF-22 WINTER 2019-2020 CLIMATE OUTLOOK FOR THE TERRITORY OF GEORGIA

1. SEECOF-22 Climate outlook for the 2019-2020 winter season:
2. **Temperature:** probability for tercile below normal (10%), near norm (40 %) and above normal (50 %) all over Georgia.

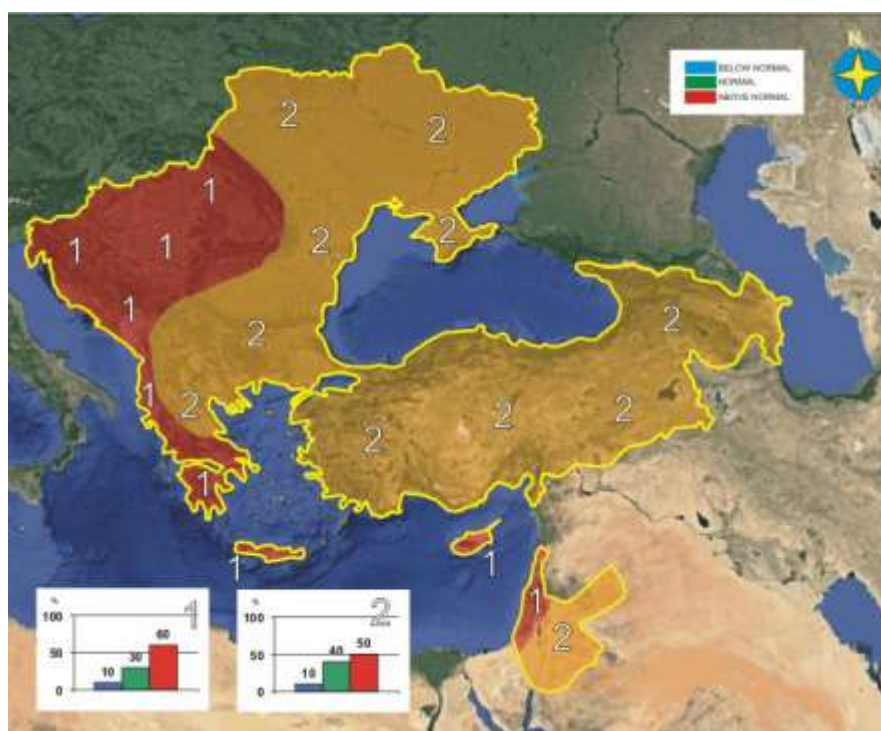


Figure 1. Graphical presentation of the 2019/20 winter temperature outlook

The 2019-2020 winter temperature outlook for Georgia was expected to be above the normal, what was correct.

Precipitation: probability for tercile below normal (20%), near norm (40 %) and above normal (40 %) all over Georgia.

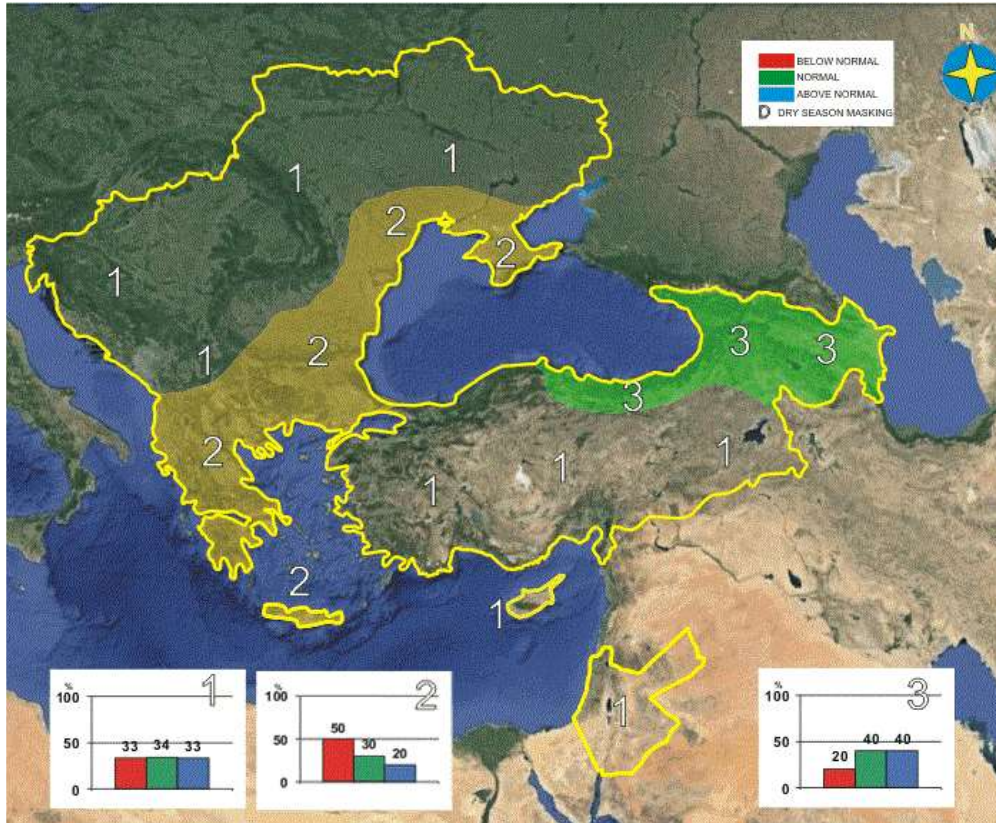


Figure 2. Graphical presentation of the 2019/20 winter precipitation outlook

The 2019-2020 winter precipitation outlook for Georgia was expected to be near and above the normal. In the west of Georgia precipitation was near the norm, but in the east part of country it was below than normal.

2. Analysis of the 2019-2020 winter season:

winter temperatures (reference period 1981-2010)

In winter mean seasonal temperature was above the normal by 1-2⁰C on all over the territory of Georgia.

WINTER 2019-2020

TEMPERATURE

Name	Obs	December	January	February	DJF_Obs	Dev	December	January	February	DJF_Dev
Poti	Obs	10.7	7.6	8	8.7	Dev	1.9	0.7	0.8	1.1
Qobuleti	Obs	10.2	7.5	7.3	8.3	Dev	2.3	1.1	0.7	1.4
Zugdidi	Obs	10.9	6.8	7.1	8.2	Dev	3	1	0.8	1.6
Qutaisi	Obs	11	6.6	7.2	8.3	Dev	2.7	0.4	0.6	1.2
Zestaponi	Obs	9.9	5.9	6	7.2	Dev	2.6	0.8	0.4	1.3
Sachkhere	Obs	6.6	3.2	3.8	4.5	Dev	2.9	1.2	0.7	1.6
Ambrolauri	Obs	5.5	2.4	3.4	3.7	Dev	3	1.7	1.2	2
Mta-Sabueti	Obs	1.9	-1.8	-1.9	-0.6	Dev	2.4	0.6	0.7	1.3
Khashuri	Obs	4.1	1.8	2.3	2.7	Dev	2.8	1.9	1.9	2.2
Gori	Obs	5.1	2.5	3.7	3.8	Dev	3.2	2	2.3	2.5
Tbilisi	Obs	7	4.4	5.8	5.7	Dev	2.6	1.2	1.9	1.9
Bolnisi	Obs	6.6	3.6	5.5	5.2	Dev	2.8	1.1	2.4	2.1
Telavi	Obs	6.2	3.1	4.6	4.6	Dev	2.4	0.9	1.5	1.6
Dedoplistskaro	Obs	4.9	2.2	3.5	3.5	Dev	2.1	1.4	2.1	1.9
Sagarejo	Obs	6.7	3.4	5.2	5.1	Dev	2.9	1.3	2.9	2.4
Pasanauri	Obs	2.1	-0.6	0	0.5	Dev	2.4	1.6	0.8	1.6
Tianeti	Obs	2.2	-1.3	0.6	0.5	Dev	2.7	1.2	1.9	1.9
Borjomi	Obs	4.1	1	2.2	2.4	Dev	2.7	0.9	1.3	1.6
Akhaltsikhe	Obs	2.5	-0.6	0	0.6	Dev	2.7	1.6	0.7	1.7
Tsalka	Obs	1.4	-2.7	-1.5	-0.9	Dev	2.9	0.7	1.6	1.8
Akhalqalaqi	Obs	-0.3	-4.7	-3.5	-2.8	Dev	3.7	2	2.5	2.7

winter Precipitation (reference period 1981-2010)

Amount of precipitation in 2019-2020 winter for the west of Georgia was near the norm, but in the east part of country it was below.

WINTER 2019-2020

PRECIPITATION

Name	Obs	December	January	February	DJF_Obs	Dev	December	January	February	DJF_Dev
Poti	Obs	140.3	145	201.4	486.7	Dev	90%	94%	159%	111%
Qobuleti	Obs	134.5	231.8	242.1	608.4	Dev	56%	110%	135%	97%
Zugdidi	Obs	122.5	127.4	182.9	432.8	Dev	85%	84%	131%	99%
Qutaisi	Obs	95.2	146.3	197.6	439.1	Dev	62%	89%	163%	100%
Zestaponi	Obs	80.7	157.1	202.7	440.5	Dev	60%	99%	163%	105%
Sachkhere	Obs	54.2	55.8	135.6	245.6	Dev	63%	68%	198%	103%
Ambrolauri	Obs	49.8	49.4	139.4	238.6	Dev	50%	51%	197%	89%
Khashuri	Obs	23.4	20.3	40.6	84.3	Dev	44%	33%	83%	51%
Gori	Obs	15.5	11.6	25	52.1	Dev	46%	34%	78%	52%
Tbilisi	Obs	1.2	2.6	0	3.8	Dev	6%	16%	0%	6%
Bolnisi	Obs	1.8	9.8	3.3	14.9	Dev	9%	57%	13%	23%
Telavi	Obs	3.2	10.4	11	24.6	Dev	11%	45%	33%	28%
Dedoplistskaro	Obs	0	18	10	28	Dev	0%	79%	34%	38%
Sagarejo	Obs	2.8	7.3	5	15.1	Dev	9%	30%	13%	16%
Pasanauri	Obs	11.7	12	24	47.7	Dev	21%	28%	45%	32%
Tianeti	Obs	12.1	2.4	20.9	35.4	Dev	35%	9%	53%	35%
Borjomi	Obs	30.7	27.1	46.1	103.9	Dev	75%	67%	112%	85%
Akhaltsikhe	Obs	6.8	4.3	34.3	45.4	Dev	26%	18%	129%	59%
Tsalka	Obs	2.9	9.2	10.6	22.7	Dev	12%	53%	37%	33%
Akhalqalaqi	Obs	14.5	12.3	19.9	46.7	Dev	46%	41%	60%	50%

3. Verification of the SEECOF-22 climate outlook for the 2019-2020 winter season:

Country	Seasonal temperature (DJF)		Seasonal precipitation (DJF)	
	Observed	SEECOF-22 climate outlook for temperature	Observed	SEECOF-22 climate outlook for precipitation
Georgia	Above normal	Above normal	Near the normal for west Georgia and below the normal for east Georgia	Near or below normal over all Georgia