

Annex

Country: Georgia

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VERIFICATION OF THE SEECOF-25 SUMMER 2021 CLIMATE OUTLOOK FOR THE TERRITORY OF GEORGIA

1. SEECOF-25 Climate outlook for the 2021 summer season:

Temperature: According to the SEECOF-25 probability tercile for the summer seasonal temperature for The Black Sea Coastal Zone was above normal (50%), near norm (30%) and below normal (20%). In the rest territory of the country temperature was above normal (60%), near norm (30%) and below normal (10%).

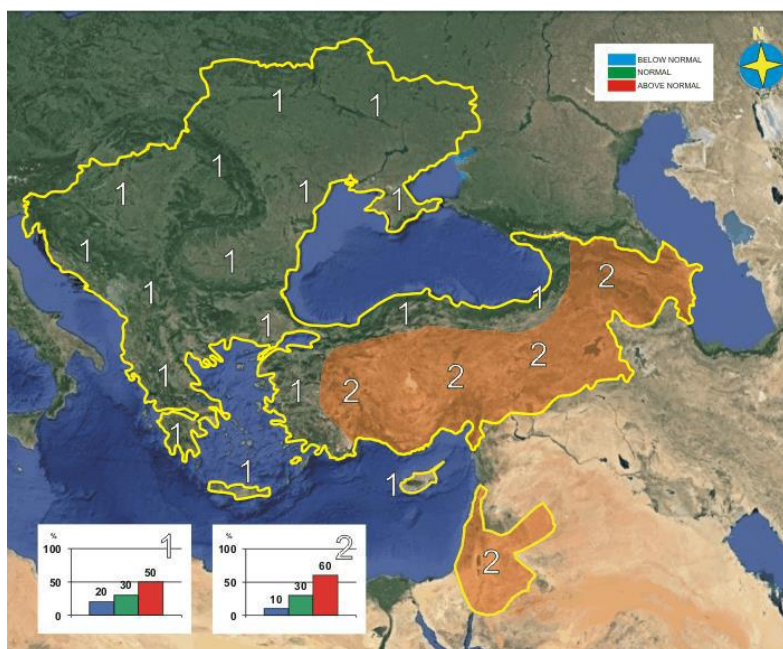
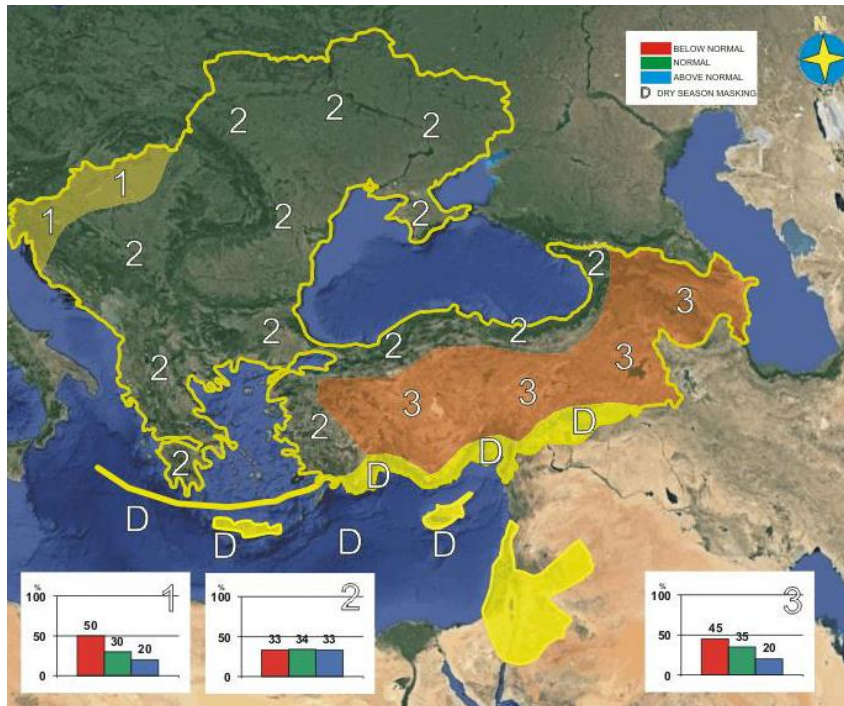


Figure 1. Graphical presentation of the 2021 summer temperature outlook

According to the SEECOF-25 outlook for the summer season 2021 in Georgia, temperature was expected warm all over the country, verification showed that the summer period in Georgia was warm, so the outlook for a warm summer in the most territory of the country was correct.

Precipitation: According to the SEECOF-25 probability tercile for the summer seasonal precipitation on The Black Sea Coastal Zone was below normal (33%), near norm (34%) and above normal (33%). In the rest territory of the country precipitation was below normal (45%), near norm (35%) and above normal (20%).



Graphical presentation of the 2021 summer precipitation outlook

The summer on the most territory of Georgia was dry and near the norm, except the separately location in the eastern part of the country where it was wet conditions.

2. Analysis of the 2021 summer season:

summer temperatures (reference period 1981-2010)

In the most territory of Georgia summer mean seasonal temperature was above the normal by 1-3°C.

In June and July air temperature was above the normal by 1-3°C and near the norm the several locations.

In August the air temperature was above the normal by 1-3°C.

SUMMER 2021

Air Temperature (°C)

Name	Obs	JUNE	JULY	AUGUST	JJA_Obs	Dev	JUNE	JULY	AUGUST	JJA_Dev
Poti	Obs	21.8	25.6	26.3	24.5	Dev	0.7	1.8	2.1	1.5
Qobuleti	Obs	20.8	25.3	24.7	23.6	Dev	0.3	2.2	1.1	1.2
Zugdidi	Obs	22.3	26.3	26.6	25.1	Dev	0.9	2.6	2.4	2.0
Qutaisi	Obs	22.4	26.3	26.3	25.0	Dev	0.4	2.0	1.6	1.3
Zestaphoni	Obs	21.1	26.05	26.4	24.9	Dev	-0.2	1.5	1.3	0.9
Sachkhere	Obs	22.6	25.7	25.3	24.5	Dev	2.3	2.4	1.6	2.1
Ambrolauri	Obs	23.8	25.8	25.8	25.0	Dev	3.4	2.8	2.7	3.0
Mta-Sabueti	Obs	18.0	19.3	19.9	19.0	Dev	3.4	1.9	2.0	2.4
Khashuri	Obs	22.0	25.1	24.7	23.9	Dev	3.2	3.3	2.9	3.1
Gori	Obs	22.2	24.1	24.8	23.7	Dev	2.7	1.5	2.3	2.2
Tbilisi	Obs	25.6	26.8	28.3	26.9	Dev	3.3	1.3	3.1	2.6
Bolnisi	Obs	24.3	25.8	27.4	25.8	Dev	3.0	1.1	2.9	2.4
Telavi	Obs	23.6	24.4	26.0	24.7	Dev	2.4	0.2	2.2	1.6
Dedoplistskaro	Obs	23.9	25.35	27.2	25.5	Dev	3.7	2.2	4.3	3.4
Sagarejo	Obs	23.0	23.7	25.4	24.0	Dev	2.8	0.6	2.5	1.9
Pasanauri	Obs	19.4	20.3	21.4	20.4	Dev	2.3	0.2	1.6	1.4
Tianeti	Obs	18.6	21.2	22.15	20.7	Dev	1.6	1.2	2.5	1.8
Borjomi	Obs	20.6	23.1	23.9	22.5	Dev	2.1	1.5	2.3	2.0
Akhaltikhe	Obs	20.3	23.3	22.9	22.1	Dev	2.1	1.7	1.4	1.7
Tsalka	Obs	15.4	18.3	18.0	17.2	Dev	1.4	1.4	1.2	1.3
Akhalqalaqi	Obs	15.7	18.1	18.5	17.4	Dev	2.6	1.6	1.8	2.0

Semmer Precipitation (reference period 1981-2010)

The summer on the most territory of Georgia was dry and near the norm, except the separately location in the eastern part of the country where it was wet conditions.

SUMMER 2021

Precipitation (mm)

Name	Obs	JUNE	JULY	AUGUST	JJA_Obs	Dev	JUNE	JULY	AUGUST	JJA_Dev
Poti	Obs	114.2	305.4	253.7	673.3	Dev	71%	142%	105%	106%
Qobuleti	Obs	81	231.4	179.2	491.6	Dev	51%	131%	76%	86%
Zugdidi	Obs	34.1	245.9	54.9	334.9	Dev	16%	137%	34%	62%
Qutaisi	Obs	62.2	91.2	100.7	254.1	Dev	57%	93%	104%	85%
Zestaphoni	Obs	69.7	103	83.7	256.4	Dev	73%	148%	126%	116%
Sachkhere	Obs	44	84.4	108.0	236.4	Dev	48%	107%	151%	102%
Ambrolauri	Obs	33.4	56.4	77.4	167.2	Dev	35%	67%	97%	66%
Mta-Sabueti	Obs	55.1	24.2	49.0	128.3	Dev	65%	38%	87%	63%
Khashuri	Obs	39	41.1	35.8	115.9	Dev	60%	92%	97%	83%
Gori	Obs	59.8	86.0	72.9	218.7	Dev	97%	192%	180%	156%
Tbilisi	Obs	35.4	68.2	4.7	108.3	Dev	45%	159%	10%	72%
Bolnisi	Obs	30	91.2	3.2	124.4	Dev	45%	278%	9%	111%
Telavi	Obs	138.8	177.6	9.8	326.2	Dev	134%	262%	13%	136%
Dedoplistskaro	Obs	40.6	45.3	2	87.9	Dev	47%	90%	5%	47%
Sagarejo	Obs	46.7	89.1	15.2	151.0	Dev	48%	128%	26%	67%
Pasanauri	Obs	55.4	57.3	17.2	129.9	Dev	44%	55%	17%	39%
Tianeti	Obs	80.9	61.9	5.3	148.1	Dev	87%	97%	7%	64%
Borjomi	Obs	76.2	32.8	40.9	149.9	Dev	96%	63%	97%	85%
Akhaltsikhe	Obs	58.9	55.4	87.5	201.8	Dev	76%	91%	176%	114%
Tsalka	Obs	75.3	81.5	115.5	272.3	Dev	62%	132%	176%	123%

3. Verification of the SEECOF-25 climate outlook for the 2021 summer season:

Country	Seasonal temperature (JJA)		Seasonal precipitation (JJA)		High Impact Events
	Observed	SEECOF-25 climate outlook for temperature	Observed	SEECOF-25 climate outlook for precipitation	
Georgia	Above normal	Above normal	on the most territory of the country was below and near the norm, only several location in the eastern part of the country was above the norm	No Signal for The Black Sea Coastal Zone and below normal (45%) in the rest territory of the country was	During the summer season, extreme weather events were observed in the form of heavy rains and hail (June-July-August). The hail was mainly observed in eastern Georgia, causing damage to agriculture. Heavy rains have raised water levels on some rivers and flooded homes and farmlands.