

## Annex

Country: Georgia

Institute: National Environmental Agency (NEA)

Name: Khatuna Kokosadze

E-mail: kokosadze.k@gmail.com

### VERIFICATION OF THE SEECOF-29 SUMMER 2023 CLIMATE OUTLOOK FOR THE TERRITORY OF GEORGIA

#### 1. SEECOF-29 Climate outlook for the 2023 summer season:

**Temperature:** According to the SEECOF-29 consensus, the statement temperature was expected to be above normal (upper tercile) with 50 % for all over the country. Verification showed that the summer period in the country temperature was above the norm, so the outlook for Georgia was correct.



Figure 1. Graphical presentation of the 2023 summer temperature outlook

## 2. Analysis of the 2023 summer season:

### *summer temperatures (reference period 1981-2010)*

Summer mean seasonal temperature was above the normal by 1-2°C in the country, Exceptions of several stations of east Georgia where the temperature was near the norm.

In summer season August was the hottest month and cool period was in July.

#### SUMMER 2023 TEMPERATURE

Name	Obs	JUNE	JULY	AUGUST	JJA_Obs	Dev	JUNE	JULY	AUGUST	JJA Dev
WEST GEORGIA										
Poti	Obs	22.5	24.3	27.4	24.7	Dev	1.4	0.5	3.3	1.7
Qobuleti	Obs	22.0	23.6	26.4	24.0	Dev	1.6	0.5	2.8	1.6
Zugdidi	Obs	23.3	25.0	28.1	25.5	Dev	2.0	1.3	4.0	2.4
Qutaisi	Obs	22.9	24.1	27.4	24.8	Dev	0.9	-0.1	2.7	1.2
Zestaphoni	Obs	22.9	24.5	28.3	25.2	Dev	0.7	0.0	3.2	1.3
Sachkhere	Obs	22.1	23.0	26.1	23.7	Dev	1.9	-0.2	2.4	1.3
Ambrolauri	Obs	21.5	23.3	26.6	23.8	Dev	1.5	0.4	3.5	1.8
Mta-Sabueti	Obs	15.4	17.1	21.1	17.9	Dev	0.8	-0.3	3.3	1.3
EAST GEORGIA										
Khashuri	Obs	20.4	22.6	25.9	23.0	Dev	1.6	0.8	4.1	2.2
Gori	Obs	21.0	22.8	26.2	23.3	Dev	1.6	0.2	3.7	1.8
Tbilisi	Obs	23.7	25.9	28.2	25.9	Dev	1.5	0.4	3.0	1.6
Bolnisi	Obs	22.3	24.6	27.0	24.6	Dev	1.0	-0.1	2.5	1.1
Telavi	Obs	21.8	24.1	25.6	23.8	Dev	0.6	-0.1	1.8	0.8
Dedoplistskaro	Obs	20.7	24.9	26.8	24.1	Dev	0.6	1.7	3.9	2.1
Pasanauri	Obs	17.5	19.5	21.7	19.6	Dev	0.4	-0.6	1.9	0.6
Tianeti	Obs	18.3	20.5	22.7	20.5	Dev	1.3	0.5	3.1	1.6
Borjomi	Obs	19.5	20.9	24.2	21.5	Dev	1.0	-0.7	2.7	1.0
Akhaltikhe	Obs	18.4	20.4	23.5	20.8	Dev	0.3	-1.1	2.0	0.4
Tsalka	Obs	15.3	16.6	18.5	16.8	Dev	1.3	-0.3	1.7	0.9
Akhalqalaji	Obs	14.4	15.8	19.1	16.4	Dev	1.3	-0.7	2.4	1.0

**Precipitation:** The SEECOF-29 climate outlook indicated approximately equal probabilities for below-near-above precipitation for the entire territory of Georgia.

Climatological monitoring showed that Precipitation was above and near the norm for the most territory of the country.

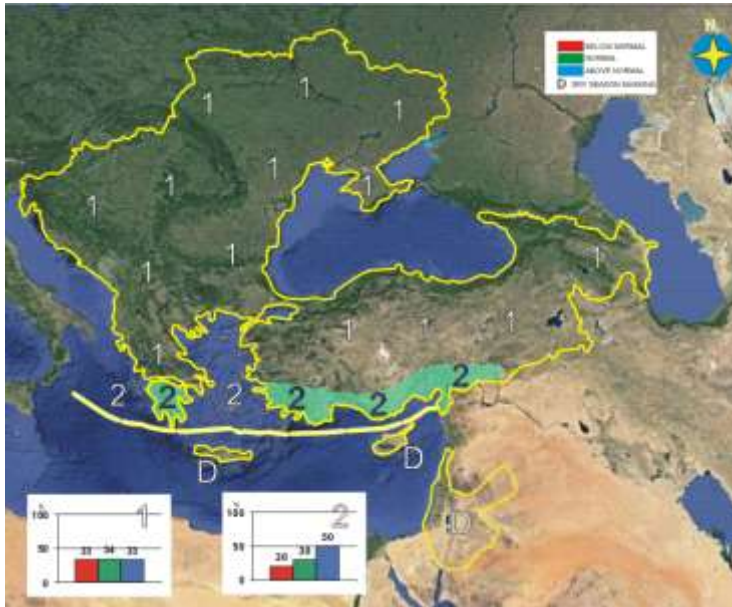


Figure 2. Graphical presentation of the 2023 summer precipitation outlook

## 2. Analysis of the 2023 summer season:

### *Summer Precipitation (reference period 1981-2010)*

The summer 2023 precipitation was above and near the norm for the entire territory of country, Exceptions of several stations of Georgia where the precipitation was below the norm.

In Georgia June and July were the most rainy period in the summer season. August was relatively dry, though there were several station where precipitation was above norm.

#### SUMMER 2023 PRECIPITATION

Name	Obs	JUNE	JULY	AUGUST	DJF_Obs	Dev	JUNE	JULY	AUGUST	JJA Dev
WEST GEORGIA										
Poti	Obs	262	267	206	736	Dev	163%	125%	85%	124%
Qobuleti	Obs	220	305	91	615	Dev	138%	173%	39%	117%
Zugdidi	Obs	168	230	59	457	Dev	76%	129%	37%	81%
Qutaisi	Obs	216	262	60	539	Dev	197%	267%	63%	176%
Zestaphoni	Obs	163	73	61	297	Dev	172%	105%	92%	123%
Sachkhere	Obs	182	66	112	360	Dev	198%	83%	157%	146%
Ambrolauri	Obs	112	58	19	189	Dev	117%	68%	24%	70%
Mta-Sabueti	Obs	110	67	15	192	Dev	129%	106%	27%	87%
EAST GEORGIA										
Khashuri	Obs	165	21	34	220	Dev	254%	47%	93%	131%
Gori	Obs	95	62	30	186	Dev	153%	138%	73%	122%
Tbilisi	Obs	78	44	160	282	Dev	100%	102%	349%	183%
Bolnisi	Obs	163	27	18	208	Dev	245%	82%	51%	126%
Telavi	Obs	274	50	80	404	Dev	264%	74%	105%	148%
Dedoplistskaro	Obs	175	48	67	290	Dev	203%	95%	156%	151%
Pasanauri	Obs	146	21	42	209	Dev	115%	21%	40%	59%
Tianeti	Obs	167	25	72	264	Dev	180%	39%	96%	105%
Borjomi	Obs	171	70	55	296	Dev	216%	135%	130%	160%
Akhaltzikhe	Obs	172	85	59	315	Dev	221%	139%	118%	159%
Tsalka	Obs	116	22	43	182	Dev	96%	35%	66%	66%

**3. Verification of the SEECOF-29 climate outlook for the 2023 summer season:**

Country	Seasonal temperature (JJA)		Seasonal precipitation (JJA)	
	Observed	SEECOF-29 climate outlook for temperature	Observed	SEECOF-29 climate outlook for precipitation
Georgia	Above the Normal	Above the Normal	Above and Near the Normal	Above - 33 % Near - 34 % Below - 33 %