

TEMPERATURILE ȘI CANTITĂȚILE DE PRECIPITAȚII

Date furnizate de Administrația Națională de Meteorologie – Centrul Meteorologic Regional Transilvania-Nord privind temperatura lunară a aerului (medie, maxima, minima și ziua în care s-a înregistrat maxima/minima), precipitațiile atmosferice (cantitatea lunară, cantitatea maximă pe 24 de ore și ziua în care s-a înregistrat maxima), numărul de zile cu fenomene meteorologice periculoase (vijelie, vânt tare, grindină și oraj), din intervalul **1990-2022**, înregistrate la Stația Meteorologică Județeană Zalău.

1990

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.3	13.2	31	-13.3	7	25.3	7.4	27	0	0	0
Febr	4.1	18.2	25	-4.2	12	23.7	6.8	15	1	0	0
Mar	8.4	22.7	19	-8.0	4	12.9	4.8	29	2	0	0
Apr	10.3	23.2	3	1.0	13	51.7	16.6	24	7	0	0
Mai	15.1	29.0	25	2.4	3	24.9	8.0	12	10	0	0
Iun	17.6	32.0	30	4.7	1	76.9	32.0	9	10	0	0
Iul	19.7	31.6	30	9.3	9	39.3	14.0	4	5	0	0
Aug	19.8	33.3	7	9.5	25	46.6	28.9	9	3	0	0
Sept	13.1	30.8	1	4.1	29	36.7	10.0	2	3	0	0
Oct	10.3	24.2	16	-4.2	23	49.2	26.7	30	0	0	0
Noi	6.4	17.4	22	-3.7	12	66.3	35.9	1	0	0	0
Dec	0.4	11.0	11	-9.0	24	43.8	11.7	15	0	0	0

Legenda: Tmed= temperatura medie lunara a aerului; Tmax= temperatura maxima lunara a aerului; Tmin= temperatura minima lunara a aerului; Ziua Tmax= ziua cand s-a inregistrat temperatura maxima lunara; Ziua Tmin= ziua cand s-a inregistrat temperatura minima lunara; RR tot.lunar=cantitatea lunara de precipitatii; RRmax/24h= cantitatea maxima de precipitatii in 24 de ore; Nr. zile oraj=numarul de zile din luna cu oraj (descarcari electrice); Nr.zile vant tare= numarul de zile din luna cu viteza medie a vantului egala sau mai mare de 16 m/s; Nr. zile vijelie= numarul de zile cu intensificari bruste ale vantului (o crestere cu cel puțin 8m/s), schimbarea directiei cu 180 grade si variatia unor parametri meteo (temperatura, umezeala si presiune).
Nr de zile cu grindina=numarul de zile in care s-a semnalat grindina (granule de gheata)

1991

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile vant tare	Nr. zile vijelie
Ian	-0.7	9.6	11	-16.4	31	17.8	7.8	1	0	0	0
Febr	-1.5	10.2	21	-15.3	1	6.3	1.7	9	0	0	0
Mar	7.2	25.4	24	-4.3	1	9.2	5.4	29	0	0	0
Apr	9.2	19.0	14	-0.6	22	34.7	18.4	28	1	0	0
Mai	11.8	23.7	3	2.5	26	173.5	56.0	12	3	0	0
Iun	18.0	32.2	17	7.8	6	59.3	14.1	20	9	0	0
Iul	20.8	30.9	14	10.3	23	74.3	11.0	14	11	0	0
Aug	18.5	29.7	9	9.2	31	85.1	41.6	4	5	0	0
Sept	15.5	28.6	30	1.5	9	55.0	20.2	18	3	0	0
Oct	9.6	25.7	1	-5.1	30	80.2	15.6	20	2	0	0
Noi	5.8	14.6	17	-5.0	2	39.0	22.1	18	1	0	0
Dec	-4.1	7.0	1	-16.3	10	29.2	11.9	21	0	0	0

1992

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile vant tare	Nr. zile vijelie
Ian	-2.0	5.2	9	-10.3	26	21.8	9.1	6	0	0	0
Febr	-0.3	10.1	29	-9.9	2	14.4	5.7	4	0	0	0
Mar	4.7	20.8	26	-4.8	18	6.8	2.3	14	0	0	0
Apr	10.7	25.1	27	-3.0	11	41.4	9.3	7	3	0	0
Mai	14.5	26.8	22	2.0	26	15.9	4.1	29	3	0	2
Iun	19.0	30.4	24	9.4	28	57.9	20.7	7	5	0	0
Iul	20.4	30.7	5	9.4	9	83.8	15.5	13	9	0	0
Aug	24.3	35.5	28	12.4	17	17.8	9.4	16	5	0	0
Sept	14.9	33.4	1	5.5	19	99.0	37.9	30	3	1	1
Oct	10.1	23.1	5	-2.0	13	94.0	30.1	31	2	0	0
Noi	5.2	17.7	3	-2.4	10	46.4	10.7	4	1	0	0
Dec	-1.2	11.8	6	-14.6	28	20.7	7.1	10	0	0	0

1993

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.1	11.8	23	-15.6	31	16.8	4.4	25	0	0	0
Febr	-4.1	7.0	11	-12.0	1	11.1	4.1	23	0	0	0
Mar	2.9	19.7	22	-11.0	6	48.0	15.7	26	0	0	0
Apr	9.3	24.9	28	-2.5	11	65.0	13.2	15	2	0	0
Mai	18.0	29.0	28	8.4	7	32.3	10.7	22	8	0	2
Iun	18.8	33.6	23	7.1	17	94.2	37.7	24	5	0	0
Iul	18.9	32.6	20	8.1	7	75.8	20.2	18	7	0	1
Aug	19.7	33.5	23	6.3	30	35.3	11.7	31	1	0	0
Sept	14.0	29.0	14	3.9	20	66.3	18.5	5	2	0	0
Oct	12.1	26.3	14	-2.5	30	30.4	8.5	8	2	0	0
Noi	2.0	16.8	8	-9.7	28	44.0	9.8	9	0	0	0
Dec	3.1	13.8	21	-5.8	2	59.3	10.2	16	0	0	0

1994

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile vant tare	Nr. zile vijelie
Ian	2.3	13.1	11	-6.6	22	19.5	6.6	26	0	0	0
Febr	2.5	17.6	28	-9.4	16	17.2	5.2	20	0	0	0
Mar	7.0	20.0	26	-1.4	23	43.8	10.2	27	0	0	1
Apr	11.2	24.2	12	-0.2	4	53.4	10.9	6	2	0	0
Mai	15.2	31.4	18	0.7	4	50.7	16.5	30	7	0	0
Iun	18.5	33.6	30	7.0	8	75.9	20.3	12	6	0	0
Iul	22.7	33.6	17	11.4	10	31.8	12.6	18	7	0	0
Aug	21.3	36.8	11	10.2	15	68.7	21.1	25	7	0	0
Sept	19.6	33.5	14	9.8	22	57.8	23.7	20	1	0	0
Oct	9.2	25.6	3	-2.0	19	38.9	14.9	4	0	0	0
Noi	5.0	18.3	1	-3.6	27	36.1	11.0	13	0	0	0
Dec	0.9	11.7	30	-8.2	2	34.4	6.4	31	0	0	0

1995

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.3	14.0	27	-14.0	16	57.8	17.2	24	0	0	0
Febr	4.6	13.8	22	-5.5	1	43.0	10.1	27	0	0	0
Mar	5.2	18.0	5	-5.1	31	35.1	20.3	20	0	0	0
Apr	9.3	26.3	22	-3.7	11	38.4	8.7	13	1	0	0
Mai	14.7	27.9	27	1.5	4	77.5	16.2	23	2	0	0
Iun	18.3	29.0	1	8.3	5	92.3	20.3	2	10	0	1
Iul	22.5	32.3	22	12.0	28	10.4	4.6	18	6	0	0
Aug	19.6	30.7	24	7.7	12	91.2	17.8	26	14	0	0
Sept	14.2	26.6	14	4.0	30	82.7	19.6	10	3	0	0
Oct	10.7	25.4	11	-1.6	24	4.3	4.2	1	0	0	0
Noi	1.4	14.0	17	-8.5	23	67.0	18.1	18	0	0	0
Dec	0.2	13.3	24	-11.6	29	76.0	19.1	26	0	0	0

1996

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.6	9.1	13	-11.3	31	42.6	11.7	2	0	0	0
Febr	-2.9	7.0	20	-13.7	1	42.4	9.0	21	0	0	0
Mar	0.7	12.0	17	-12.3	5	22.3	6.2	28	0	0	0
Apr	10.9	25.2	30	-2.2	1	14.2	5.1	13	2	0	0
Mai	17.2	31.5	19	7.0	22	79.2	18.3	28	8	1	0
Iun	19.5	31.6	10	6.5	17	59.6	20.0	23	7	0	0
Iul	18.4	32.2	8	6.7	18	36.6	10.1	2	8	0	1
Aug	19.5	31.7	3	9.1	9	49.8	14.9	23	7	0	0
Sept	11.8	25.4	1	3.5	29	155.3	20.3	24	3	0	0
Oct	10.5	22.3	17	1.1	28	72.8	57.4	19	0	0	0
Noi	7.8	18.1	7	-1.1	27	22.6	7.0	24	0	0	0
Dec	-1.0	10.3	19	-16.8	27	86.7	16.9	21	0	0	0

1997

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.5	4.6	4	-9.3	28	9.1	3.3	4	0	0	0
Febr	0.7	12.7	26	-10.8	18	16.7	2.6	13	0	0	0
Mar	3.1	16.1	3	-6.7	21	4.9	2.4	28	0	0	0
Apr	5.9	20.5	29	-5.6	9	65.7	18.6	17	0	0	0
Mai	16.1	29.3	16	1.3	26	95.0	29.8	9	8	0	0
Iun	18.7	31.2	29	7.0	2	123.8	44.9	7	11	0	2
Iul	18.5	30.5	5	10.0	15	126.9	20.4	26	10	0	0
Aug	18.8	29.2	29	10.3	23	79.8	19.2	7	10	0	0
Sept	13.5	26.0	7	1.9	29	76.5	34.6	1	3	1	0
Oct	7.1	24.1	9	-8.0	29	27.7	6.0	13	0	0	0
Noi	6.0	21.7	8	-5.9	21	36.4	14.5	29	0	0	0
Dec	1.9	11.4	1	-8.6	17	70.0	19.1	29	0	0	0

1998

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile vant tare	Nr. zile vijelie
Ian	1.7	11.5	8	-9.4	28	20.6	6.7	4	0	0	0
Febr	3.2	17.2	23	-14.2	1	12.1	4.4	15	0	0	0
Mar	2.0	17.4	4	-7.6	23	35.4	9.0	21	0	0	0
Apr	11.9	23.5	5	2.4	1	62.7	11.4	20	3	0	0
Mai	14.4	26.5	29	3.2	24	65.3	11.8	20	4	0	0
Iun	18.8	30.5	8	8.7	19	185.0	45.0	19	9	0	0
Iul	19.8	32.0	23	8.9	9	136.6	29.0	8	8	1	0
Aug	19.2	33.5	4	8.0	26	46.1	16.1	25	2	0	0
Sept	14.4	25.7	12	6.4	24	104.5	21.1	6	1	0	0
Oct	11.0	22.6	7	0.3	23	82.4	14.8	4	0	0	0
Noi	3.1	18.5	5	-5.8	20	49.5	15.6	11	0	0	0
Dec	-3.9	5.6	14	-16.1	12	18.3	8.4	22	0	0	0

1999

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile vant tare	Nr. zile vijelie
Ian	-0.2	10.5	18	-10.9	1	34.6	10.2	14	0	0	0
Febr	-0.8	12.9	28	-9.6	1	78.0	14.5	22	0	0	0
Mar	6.1	19.8	26	-4.8	14	10.9	3.6	5	0	0	0
Apr	11.1	22.5	16	-0.2	20	78.0	36.3	19	2	0	0
Mai	14.4	28.5	31	4.2	19	118.8	31.3	23	7	0	0
Iun	19.5	30.4	12	9.5	23	138.3	34.0	14	18	0	0
Iul	21.7	31.9	7	12.0	19	79.8	15.8	12	12	0	0
Aug	19.4	32.2	10	9.3	26	58.4	21.7	31	6	0	0
Sept	17.2	28.1	26	7.7	5	41.2	21.2	29	0	0	0
Oct	10.3	25.6	4	-2.2	18	26.3	7.1	6	0	0	0
Noi	3.2	16.7	7	-6.1	25	42.8	17.2	23	0	0	0
Dec	0.1	12.5	4	-16.8	24	98.4	21.9	5	0	0	0

2000

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-4.4	6.9	31	-17.0	25	33.0	8.7	21	0	0	0	0
Febr	1.3	9.5	2	-6.4	23	23.2	8.3	15	0	0	0	0
Mar	4.5	18.5	29	-5.5	6	54.7	9.7	12	1	0	0	0
Apr	13.5	25.6	18	-1.3	9	50.3	30.5	6	2	0	0	0
Mai	17.2	29.5	28	6.5	24	44.8	10.5	21	6	0	0	0
Iun	19.9	34.6	14	5.7	19	53.9	15.4	25	7	1	0	0
Iul	19.7	34.2	4	10.2	10	88.8	18.0	16	9	0	0	1
Aug	21.7	37.0	22	8.7	27	7.9	4.2	8	2	0	0	0
Sept	14.8	27.3	14	4.2	27	37.7	8.1	6	1	0	0	0
Oct	13.1	26.6	15	-0.5	22	3.4	2.8	27	0	0	0	0
Noi	9.3	20.2	18	-1.6	29	6.1	2.4	2	0	0	0	0
Dec	2.9	12.7	27	-9.8	24	48.6	12.6	16	0	0	0	0

2001

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/ 24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	1.0	13.6	7	-9.0	15	35.0	17.1	31	0	0	0	0
Febr	1.1	16.8	9	-9.3	27	37.2	6.1	23	0	0	0	0
Mar	7.7	24.2	25	-1.7	28	83.0	11.0	28	0	0	0	0
Apr	10.7	25.1	30	-0.6	14	72.8	35.2	24	2	0	0	0
Mai	16.4	28.3	18	5.4	14	32.4	12.1	19	9	0	0	0
Iun	17.0	31.1	11	7.0	5	154.0	40.5	20	7	0	0	1
Iul	20.7	32.3	16	12.3	1	193.1	44.0	21	11	0	0	0
Aug	21.0	33.0	10	8.2	31	29.4	16.3	12	2	0	0	0
Sept	14.1	25.4	1	5.1	28	113.0	27.7	9	3	0	0	0
Oct	12.4	25.3	4	-1.3	28	10.9	5.4	29	0	0	0	0
Noi	2.3	15.3	1	-9.0	27	81.6	27.5	14	0	0	0	0
Dec	-4.9	6.4	30	-17.0	18,25	44.1	25.3	30	0	0	0	0

2002

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax / 24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.5	12.8	31	-19.2	4	16.7	5.0	2	0	0	0	0
Febr	4.8	14.4	4	-5.3	15	28.9	11.8	19	0	0	0	0
Mar	6.8	20.7	15	-2.5	27	28.8	14.6	20	1	0	0	0
Apr	10.8	22.1	19	-3.1	7	20.0	10.6	30	1	0	0	0
Mai	17.9	29.6	26	6.3	1	91.8	20.0	29	7	0	0	0
Iun	19.8	34.7	24	8.6	2	52.2	12.6	10	6	0	0	0
Iul	22.9	35.0	11	10.1	1	49.2	12.2	5	15	0	0	0
Aug	20.0	28.8	4	9.8	22	103.6	30.4	3	11	0	0	0
Sept	14.9	28.3	5	3.5	13	86.8	20.8	25	6	0	0	0
Oct	10.4	23.2	17	0.2	30	47.8	10.4	12	0	0	0	0
Noi	7.2	21.3	17	-1.8	4	46.0	10.2	4	0	0	0	0
Dec	-1.0	11.8	5	-16.2	27	33.3	8.8	1	0	0	0	0

2003

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/ 24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.9	10.1	3	-18.1	13	42.3	13.3	10	0	0	0	0
Febr	-4.5	7.7	28	-14.7	18	23.5	5.8	1	0	0	0	0
Mar	3.3	19.3	29	-9.2	22	13.2	5.0	31	1	0	0	0
Apr	9.1	27.6	30	-4.3	9	25.4	6.6	16	0	0	0	0
Mai	19.5	31.8	8	4.6	17	43.7	14.8	26	12	1	0	0
Iun	21.2	32.0	13	9.1	23	14.0	4.8	2	3	0	0	0
Iul	20.9	33.9	1	11.8	14	96.2	26.6	5	12	0	0	0
Aug	22.3	35.6	29	9.8	26	6.8	3.8	16	1	0	0	1
Sept	15.4	30.2	23	4.0	4	37.6	17.0	12	0	0	0	0
Oct	8.0	24.6	3	-3.8	28	77.6	18.0	6	4	0	0	0
Noi	6.7	19.2	2	-3.2	14	34.1	11.9	7	0	0	0	0
Dec	0.2	12.3	2	-12.1	26	28.5	10.0	22	0	0	0	0

2004

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-3.5	7.8	14	-14.6	23	54.1	15.0	14	0	0	0	0
Febr	0.2	17.4	7	-17.8	13	46.4	6.0	15	0	0	0	0
Mar	5.4	22.6	19	-10.7	6	28.8	10.7	25	0	0	0	0
Apr	11.4	23.7	30	2.4	1,15	63.4	17.0	11	1	0	0	0
Mai	14.4	24.8	28	2.1	24	43.3	10.8	16	5	0	0	0
Iun	18.8	29.0	25	8.6	18	66.2	20.6	11	8	1	0	0
Iul	20.8	35.8	9	11.3	15	171.6	43.2	30	12	0	0	1
Aug	19.8	32.1	20	9.9	16	111.8	32.8	27	9	1	0	1
Sept	14.4	27.8	15	2.2	11	63.0	28.6	25	1	0	0	0
Oct	11.7	23.0	27	0.9	12	23.2	7.8	20	0	0	0	0
Noi	5.5	22.8	2	-6.5	22	94.1	25.4	14	0	0	0	0
Dec	0.9	14.8	27	-8.7	23	26.4	6.2	18	0	0	0	0

2005

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-0.8	10.1	9	-13.8	30	38.1	9.9	26	0	0	0	0
Febr	-2.8	7.7	15	-15.0	11	27.6	7.4	13	0	0	0	0
Mar	2.5	19.0	27	-12.0	1	32.5	10.8	13	0	0	0	0
Apr	10.5	23.0	13	-0.9	23	96.3	22.5	22	4	0	0	0
Mai	16.1	30.2	28	2.7	13	67.1	29.4	19	8	0	0	0
Iun	17.9	28.4	16	7.1	3	106.9	44.0	9	2	0	0	0
Iul	20.3	33.4	29	10.5	8	132.8	23.6	6	6	0	0	0
Aug	19.2	32.1	1	10.7	9	138.1	37.8	24	10	0	0	0
Sept	16.4	27.2	10	7.5	22	46.6	17.0	30	4	0	0	0
Oct	10.8	23.1	3	-1.8	31	13.3	4.0	13	0	0	0	0
Noi	4.4	16.5	2	-7.2	23	34.7	14.8	17	0	0	0	0
Dec	0.7	10.6	6	-10.8	22	52.7	10.8	2	0	0	0	0

2006

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-4.0	8.2	5	-18.4	25	16.3	6.0	3	0	0	0	0
Febr	-1.7	11.8	20	-16.3	6	32.9	5.6	9	0	0	0	0
Mar	3.6	19.5	28	-8.6	8	104.7	22.3	23	1	0	0	0
Apr	11.2	24.2	27	0.3	9	69.6	13.6	13	5	0	0	0
Mai	14.9	28.6	23	4.9	7	125.4	29.0	25	7	0	0	0
Iun	18.4	31.9	27	5.8	1	102.4	31.8	30	7	0	0	0
Iul	22.3	33.0	29	9.5	18	28.5	8.8	1	5	0	0	0
Aug	18.9	32.5	20	9.1	30	230.0	55.6	8	8	0	0	0
Sept	16.5	25.6	4,8	5.7	10	10.9	5.8	20	1	0	0	0
Oct	11.3	27.1	4	-5.7	31	32.7	23.4	30	2	0	0	0
Noi	6.1	17.7	17	-4.1	3,4	32.2	11.5	6	0	0	0	0
Dec	1.9	12.5	10	-7.4	27	13.1	7.2	10	0	0	0	0

2007

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	4.1	13.3	11	-5.6	28	45.8	5.8	29	0	0	0	0
Febr	4.0	13.5	8	-2.9	19	60.3	10.4	22	0	0	0	0
Mar	8.4	19.7	19	-1.5	6	28.8	9.3	2	0	0	0	0
Apr	11.4	23.3	28	-0.1	23	8.6	7.0	25	0	0	0	0
Mai	17.9	31.3	26	-1.2	2	61.2	17.2	30	9	0	0	0
Iun	21.5	32.2	26	11.9	29	64.0	18.2	11	10	0	0	0
Iul	23.2	38.2	21,22	10.9	13	38.0	25.4	5	5	0	0	0
Aug	21.7	36.4	24	11.9	5	61.2	13.6	4	6	0	0	0
Sept	14.0	27.1	18	3.9	20	127.8	46.2	12	3	0	0	0
Oct	9.9	23.2	2	-1.2	15	105.3	27.8	24	2	0	0	0
Noi	3.3	13.6	25	-8.0	29	50.1	9.4	4	0	0	0	0
Dec	-1.4	11.9	10	-7.9	31	16.2	4.6	4	0	0	0	0

2008

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	0.7	11.8	21	-8.3	1	23.8	6.0	19	0	0	0	0
Febr	2.9	17.3	25	-14.5	17	33.0	20.5	7	0	0	0	0
Mar	6.0	16.5	28	-2.6	21	51.4	7.9	4	0	0	0	0
Apr	11.1	22.7	11,21	2.5	14	54.3	9.8	13	2	1	0	0
Mai	15.8	27.7	18	4.6	10	134.3	27.9	20	8	2	0	0
Iun	20.3	31.1	23	11.5	16	74.4	27.6	18	9	0	0	0
Iul	20.0	31.1	13	11.6	10	169.1	48.0	23	5	0	0	0
Aug	21.1	33.8	15	6.7	31	36.2	19.6	24	3	0	0	0
Sept	14.3	32.9	7	2.8	14	57.3	15.6	15	3	0	0	0
Oct	11.8	22.4	2	2.2	28	56.9	19.8	5	0	0	0	0
Noi	6.4	22.9	2	-4.0	19	36.3	10.0	25	0	0	0	0
Dec	2.9	14.5	2	-10.7	29	72.8	19.1	7	0	0	0	0

2009

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.2	11.6	22	-14.1	4	21.9	3.2	24	0	0	0	0
Febr	0.3	14.0	7	-12.4	19	39.6	9.3	13	0	0	0	0
Mar	4.4	20.8	30	-4.4	21	71.1	13.4	13	0	0	0	0
Apr	14.3	23.7	6	5.1	16	5.8	3.2	30	1	0	0	0
Mai	16.3	30.1	22	3.8	30	35.3	15.6	28	1	0	0	0
Iun	18.9	30.5	9	7.5	1	97.2	20.6	23	13	0	0	1
Iul	22.2	33.3	23	11.6	28	63.8	18.8	3	7	0	0	0
Aug	21.4	33.7	3	10.4	31	43.0	14.6	8	5	0	0	0
Sept	18.1	29.3	3	7.4	26	5.0	4.4	5	1	0	0	1
Oct	10.4	25.9	8	-2.3	31	88.3	46.8	13	1	0	0	0
Noi	7.3	16.6	8	-2.7	1,2	76.0	15.2	11	0	0	0	0
Dec	2.2	15.2	26	-13.0	21	55.1	14.7	31	1	0	0	0

2010

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.5	14.2	9	-13.5	25	66.8	15.3	1	0	0	0	0
Febr	2.3	14.0	24	-7.6	2	27.3	6.1	13	0	0	0	0
Mar	5.2	20.9	25,26	-8.6	8	34.3	12.2	5	0	0	0	0
Apr	11.2	23.8	25	1.8	18	46.6	9.0	10	0	0	0	0
Mai	15.8	26.8	1	7.1	17	150.2	24.0	16	8	0	0	0
Iun	19.3	33.2	12	8.9	2	213.9	37.2	22	9	0	0	2
Iul	21.5	32.1	23	12.1	7	123.2	34.4	27	9	0	0	0
Aug	21.2	33.4	14	8.8	30	48.4	18.6	31	7	0	0	0
Sept	14.7	24.2	16	6.8	22	95.4	18.4	1	0	0	0	0
Oct	7.9	18.4	18	-1.0	30	29.1	22.8	20	0	0	0	0
Noi	9.2	20.9	16	-2.8	28	39.5	11.4	10	0	0	0	0
Dec	-0.3	14.8	9	-14.2	18	79.9	14.3	2	0	0	0	0

2011

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-0.9	10.7	9	-14.9	31	34.7	9.6	22	0	0	0	0
Febr	-2.0	10.4	7	-12.2	2	28.1	9.7	25	0	0	0	0
Mar	5.8	20.0	16	-8.4	8	40.2	15.6	19	1	1	0	0
Apr	11.7	22.7	29	-0.1	11	34.7	14.0	13	1	0	0	0
Mai	16.0	28.8	28,31	0.4	6	30.8	13.4	2		4	0	0
Iun	20.1	34.2	23	8.7	26	48.8	13.4	9	8	1	0	0
Iul	21.1	35.1	10	9.1	3	80.6	16.0	25	10	1	0	0
Aug	21.8	35.5	24	10.2	11	12.4	5.0	16	2	0	0	0
Sept	18.9	32.5	12	7.1	25	23.4	14.4	2	1	0	0	0
Oct	9.2	25.9	5	-3.9	18	16.6	9.2	21	0	0	0	0
Noi	1.7	16.9	6	-7.5	25	0.1	0.1	26	0	0	0	0
Dec	2.8	14.3	5	-7.2	1	39.2	7.9	18	0	0	0	0

2012

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-0.3	7.9	12	-10.3	31	37.7	10.4	13	0	0	0	0
Febr	-5.0	7.6	23	-15.5	11	29.8	5.7	4	0	0	0	0
Mar	5.2	20.4	18	-10.0	7	15.9	7.9	30	1	0	0	0
Apr	12.3	29.1	30	-2.9	10	100.2	16.2	15	4	0	0	0
Mai	16.5	29.8	1,2	6.0	14	95.6	24.6	17	7	0	0	0
Iun	21.1	32.9	21	10.7	7	96.0	19.8	10	6	1	0	1
Iul	24.1	36.1	25	11.7	17	28.4	8.4	30	9	0	0	0
Aug	22.4	37.8	6	8.7	29	18.8	8.8	27	3	0	0	0
Sept	19.1	32.8	1,3	5.4	22	22.4	13.4	20	1	0	0	0
Oct	11.7	30.3	1	-1.1	31	40.2	14.0	28	2	0	0	0
Noi	7.4	21.2	5	-2.5	16	38.0	16.2	6	1	0	0	0
Dec	-0.5	9.7	26	-11.7	10	45.7	12.8	16	0	0	0	0

2013

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	0.0	11.8	21	-10.4	8	54.2	15.8	30	0	0	0	0
Febr	3.3	14.3	25	-4.1	18	17.8	3.8	2	0	0	0	0
Mar	3.7	16.8	9	-10.2	24	125.4	19.0	22	1	0	0	0
Apr	12.6	29.8	30	-0.1	2	58.8	19.4	4	3	0	0	0
Mai	17.0	29.0	1,2	7.6	31	59.4	13.2	22	6	0	0	0
Iun	19.5	32.3	21	9.2	1	151.4	42.6	6	9	1	0	0
Iul	21.2	36.2	29	10.0	2	10.4	6.6	15	5	0	0	0
Aug	21.9	36.0	8	10.6	31	78.2	25.8	10	6	0	0	0
Sept	13.6	26.2	8	1.8	28	64.4	9.8	26	1	0	0	0
Oct	12.3	25.0	12	-2.7	4	47.6	20.4	17	1	0	0	0
Noi	8.3	20.8	9	-4.7	27	16.7	4.1	25	0	0	0	0
Dec	0.5	14.2	28	-7.7	11	9.1	7.5	9	0	0	0	0

2014

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	3.0	12.8	6	-5.2	27	47.2	13.1	22	0	0	0	0
Febr	5.8	18.4	12	-5.9	5	21.8	10.6	17	0	0	0	0
Mar	9.4	21.4	23	-0.9	11	23.4	7.3	25	0	0	0	0
Apr	12.6	23.0	28	1.8	10	28.0	9.4	29	1	0	0	0
Mai	16.0	28.7	22	2.0	6	69.8	14.4	4,27	8	1	0	0
Iun	19.7	32.7	10	8.3	3	41.6	14.6	25	3	0	0	0
Iul	21.6	31.7	7,21	9.7	4	116.5	23.8	8	12	0	0	1
Aug	20.7	35.2	14	8.4	29	65.0	15.0	21	8	0	0	0
Sept	17.4	29.2	4	4.8	25	48.0	32.8	10	3	0	0	0
Oct	11.9	26.3	13	-1.5	28	93.4	21.8	23	2	0	0	0
Noi	7.2	21.6	7	-5.4	26	34.0	15.4	29	0	0	0	0
Dec	3.4	12.5	24	-12.8	31	60.6	10.7	8	0	0	0	0

2015

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	1.5	11.9	11,22	-17.1	7	39.1	9.6	11	0	0	0	0
Febr	2.0	16.2	24	-9.0	18	10.5	2.0	8	0	0	0	0
Mar	6.3	22.0	26	-3.5	20	34.0	8.9	1	0	0	0	0
Apr	10.0	24.5	27	-1.1	4	40.4	12.2	18	0	0	0	0
Mai	16.0	29.0	6	5.9	29	132.2	44.2	27	7	0	0	0
Iun	20.1	31.6	13	8.9	21	48.4	20.4	16	7	0	0	0
Iul	22.9	34.9	8	10.7	11	38.4	10.0	13	4	0	0	0
Aug	23.6	35.8	12	11.2	1	61.0	36.0	18	6	0	0	0
Sept	18.1	35.4	19	7.7	30	99.0	27.0	26	6	0	0	0
Oct	10.3	23.0	4	1.0	27	54.6	11.2	12	1	0	0	0
Noi	7.0	18.0	12	-2.2	3,5	60.3	19.0	22	0	0	0	0
Dec	2.5	10.1	23	-8.0	31	8.2	6.7	1	1	0	0	0

2016

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.4	13.7	12	-13.2	4	59.1	15.6	7	0	0	0	0
Febr	6.4	18.4	22	-2.9	6	73.5	15.6	24	0	0	0	0
Mar	6.7	20.7	31	-3.9	20	37.7	11.8	24	0	0	0	0
Apr	13.3	26.8	17	1.0	27	48.6	25.2	25	1	0	0	0
Mai	15.4	28.3	29	5.3	8	97.2	57.6	30	4	2	0	0
Iun	20.5	34.4	17	7.5	8	137.4	25.0	18	10	0	0	0
Iul	21.5	33.4	13	9.4	8	87.4	34.2	16	7	0	0	0
Aug	20.2	32.3	6	8.6	13	92.2	32.6	2,11	7	0	0	0
Sept	17.4	31.0	10	4.3	22	15.4	6.0	6	2	0	0	0
Oct	9.2	24.3	1	1.0	10	102.2	22.6	16	0	0	0	0
Noi	4.5	18.5	6	-6.8	15	80.6	35.3	13	0	0	0	0
Dec	-2.1	9.1	11	-9.3	14	19.0	8.7	2	0	0	0	0

2017

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-4.9	5.9	29	-16.9	7	5.6	2.0	13	0	0	0	0
Febr	2.7	19.4	28	-4.8	14	35.9	7.6	21	0	0	0	0
Mar	8.8	23.9	22	-2.0	27	37.1	15.6	18	0	0	0	0
Apr	10.3	25.7	28	0.1	20	62.6	29.3	20	0	0	0	0
Mai	16.5	27.2	31	3.1	10	25.8	6.4	13	5	0	0	0
Iun	21.3	32.9	29	8.7	9	61.0	24.2	8	7	0	0	0
Iul	21.7	33.8	21	10.3	14	75.2	32.2	25	9	0	0	0
Aug	23.2	37.7	4,5	8.6	24	21.4	8.6	13	4	0	0	0
Sept	16.4	30.7	1	6.9	30	123.6	44.8	3	4	0	0	1
Oct	11.0	24.4	19	-0.2	31	44.8	17.2	24	0	0	0	0
Noi	5.9	13.6	7,13	-3.5	29	47.9	10.9	27	0	0	0	0
Dec	2.4	16.2	12	-4.9	22	64.1	17.7	15	0	0	0	0

2018

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	2.0	13.4	7	-9.1	24	33.4	6.5	22	0	0	0	0
Febr	0.6	12.9	2	-10.6	28	59.4	13.4	9	0	0	0	0
Mar	3.8	20.1	31	-14.3	1	64.1	13.3	17	0	0	0	0
Apr	16.1	28.8	29	2.2	3	22.0	5.8	2	2	0	0	0
Mai	19.6	31.0	5	9.1	20	54.0	19.0	16	5	0	0	0
Iun	20.2	30.6	12	8.9	24	154.6	44.8	13	19	1	0	0
Iul	21.0	30.4	30	9.0	2	66.6	14.0	24	12	0	0	1
Aug	23.0	32.2	21	12.7	29,30,31	34.4	17.8	15	12	0	0	0
Sept	16.8	31.3	2	1.3	26	24.6	13.8	24	4	0	0	0
Oct	13.6	25.9	29	2.6	5	29.8	11.8	24	0	0	0	0
Noi	7.5	25.9	3	-7.8	30	38.7	13.8	26	0	0	0	0
Dec	0.4	8.4	22	-11.0	1	92.1	24.6	24	0	0	0	0

2019

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian	-1.4	7.1	17	-12.1	8	55.9	6.1	14	0	0	0	0
Febr	2.8	14.5	28	-8.6	23	12.8	7.9	22	0	0	0	0
Mar	7.6	19.8	17	-3.2	13	21.4	6.5	6	0	0	0	0
Apr	12.9	28.6	26	1.5	16	41.4	22.4	27	1	0	0	0
Mai	14.3	25.4	26	4.4	7	189.8	27.6	21	9	1	0	0
Iun	22.7	32.3	16	11.3	29	53.2	12.0	1	12	0	0	0
Iul	21.0	33.0	1	8.9	12	20.2	7.6	27	3	0	0	0
Aug	23.2	35.2	12	10.9	17	31.5	14.4	3	7	0	0	0
Sept	17.2	32.0	1	4.1	19	21.6	8.9	25	0	0	0	0
Oct	12.8	25.7	21	-1.7	8	23.2	7.1	6	0	0	0	0
Noi	10.9	20.8	13	0.0	1	38.1	9.2	15	1	0	0	0
Dec	3.4	15.1	22	-8.0	6	43.1	14.5	24	0	0	0	0

2020

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian.	-1.0	7.8	31	-11.1	8	10.8	4.5	5	0	0	0	0
Febr.	4.2	15.2	25	-7.8	8	45.6	12.7	5	0	0	0	1
Mar.	6.7	19.7	12	-3.5	31	34.4	8.4	23	0	0	0	0
Apr.	11.	22.3	28	-4.6	1	17.3	7.8	14	1	0	0	0
Mai	13.5	28.2	11	1.0	13	87.8	14.5	24	4	0	0	0
Iun.	19.3	30.8	29	6.3	2	124.3	27.9	11	10	1	0	0
Iul.	20.5	31.5	30	8.2	14	102.8	30.2	3	7	0	0	0
Aug.	22.2	33.6	30	11.5	2	38.6	18.3	19	2	0	0	0
Sept.	17.8	29.8	15,16	6.0	19	55.3	22.1	26	3	0	0	0
Oct.	11.9	25.2	4	1.9	19	71.0	17.2	13	2	0	0	0
Noi.	4.4	14.6	8,9	-5.4	26	21.2	6.1	20	0	0	0	0
Dec.	4.5	14.3	5	-5.4	2	33.4	11.7	11	0	0	0	0

2021

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax/24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vant tare	Nr. zile vijelie
Ian.	0.9	11.3	22	-11.4	16	62.6	13.7	5	0	0	0	0
Febr.	2.4	17.4	26	-12.4	12	56.0	9.8	11	0	0	0	0
Mar.	3.5	16.5	31	-6.4	11	44.0	11.4	15	0	0	0	0
Apr.	8.4	22.2	12	-2.1	8	78.0	19.9	14	4	0	0	0
Mai	14.5	28.0	11	3.3	9	112.4	18.8	26	9	0	0	0
Iun.	20.9	34.4	25	6.8	2	46.3	25.2	26	4	0	0	0
Iul.	23.3	33.3	14	13.3	5	108.8	38.2	28	10	0	0	1
Aug.	20.1	32.6	15,16	9.7	28	95.4	42.9	29	5	0	0	2
Sept.	15.1	27.9	16	4.0	21	62.9	31.0	1	2	0	0	0
Oct.	9.5	21.3	4	-1.3	25	15.6	9.4	12	0	0	0	0
Noi.	5.9	24.7	4	-2.9	24	54.5	16.5	5	0	0	0	0
Dec.	1.3	11.1	2	-10.5	23	90.5	23.1	24	0	0	0	0

2022

Luna	Tmed (°C)	Tmax (°C)	Ziua Tmax	Tmin (°C)	Ziua Tmin	RR tot.lunar (l/m ²)	RRmax /24h (l/m ²)	Ziua RRmax	Nr. zile oraj	Nr. zile grindina	Nr. zile vijelie
Ian.	-0.4	14.4	5	-13.6	24	30.6	4.8	9	0	0	0
Febr.	3.5	13.2	17	-4.0	4	26.5	9.5	7	0	0	0
Mar.	4.2	21.6	29	-9.2	11	8.4	7.5	16	0	0	0
Apr.	9.1	21.3	24	-2.1	18	80.3	30.5	28	2	0	0
Mai	16.8	27.3	25	5.3	19	28.3	8.9	30	4	0	0
Iun.	22.0	35.7	30	10.0	15	28.9	20.1	26	3	0	0
Iul.	23.1	37.7	23	9.1	12	41.4	26.1	30	6	0	1
Aug.	22.5	34.3	6	12.9	11	94.9	30.3	9	12	0	0
Sept.	/	/	/	/	/	167.4	27.4	10	8	0	0
Oct.	12.0	23.0	1	0.2	21	25.3	9.1	3	2	0	0
Noi.	6.8	18.6	6	-0.5	29	76.1	22.2	17	0	0	0
Dec.	3.3	13.3	11	-7.1	14	43.5	13.5	17	0	0	0

Legenda: Tmed= temperatura medie lunara a aerului; Tmax= temperatura maxima lunara a aerului;
Tmin= temperatura minima lunara a aerului; Ziua Tmax= ziua cand s-a inregistrat temperatura maxima lunara;
Ziua Tmin= ziua cand s-a inregistrat temperatura minima lunara; RR tot.lunar=cantitatea lunara de precipitatii;
RRmax/24h= cantitatea maxima de precipitatii in 24 de ore; Nr. zile oraj=numarul de zile din luna cu oraj
(descarcari electrice); Nr.zile vant tare= numarul de zile din luna cu viteza medie a vantului egala sau mai mare de
16 m/s; Nr. zile vijelie= numarul de zile cu intensificari bruste ale vantului (o crestere cu cel putin 8m/s),
schimbarea directiei cu 180 grade si variatia unor parametri meteo (temperatura, umezeala si presiune).
Nr de zile cu grindina=numarul de zile in care s-a semnalat grindina (granule de gheata)

Întocmit
Consilier protecție civilă
Radu Călin Rus