

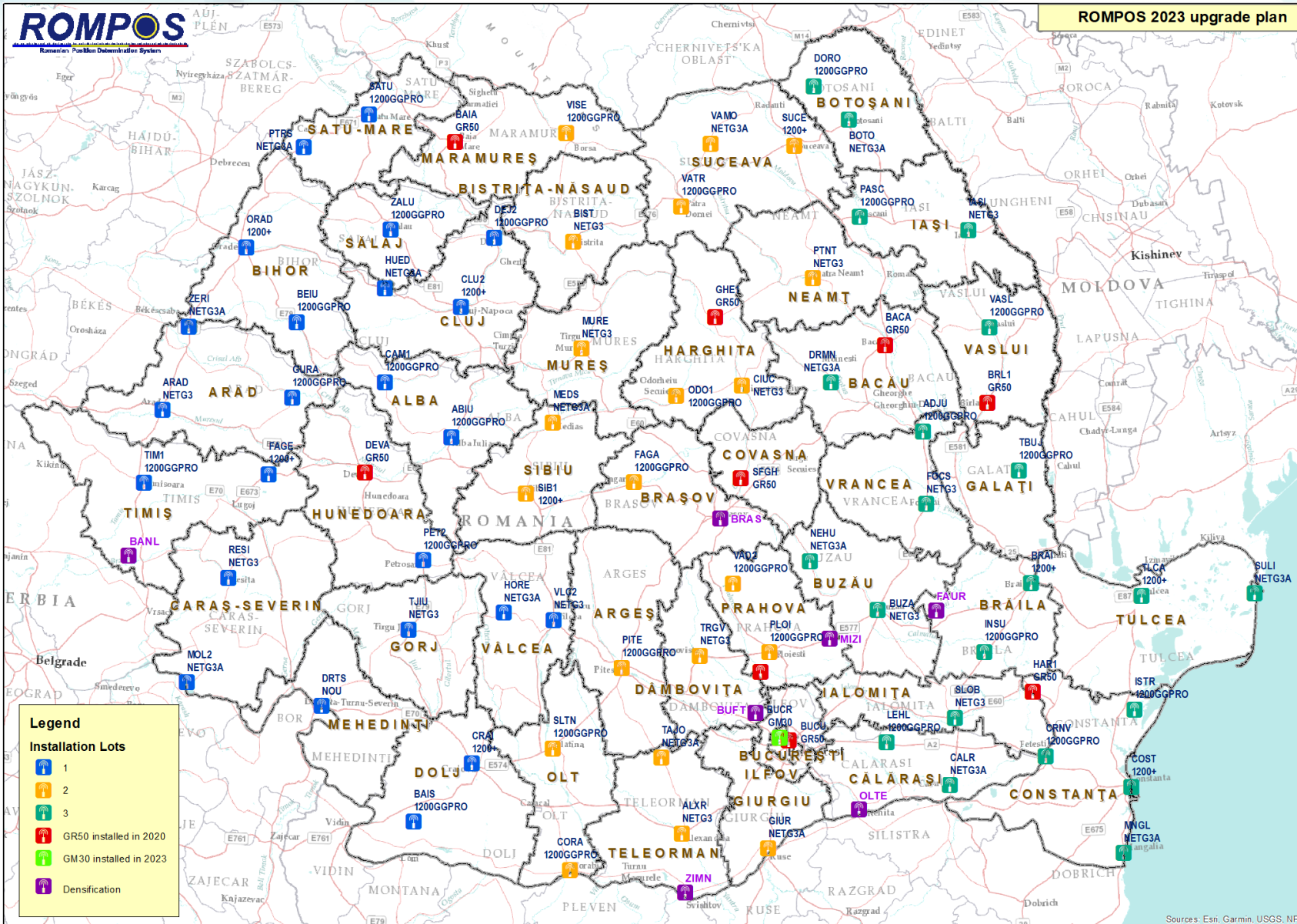
NATIONAL AGENCY FOR CADASTRE AND LAND REGISTRATION  
National Center for Cartography  
ROMANIA



NATIONAL REPORT OF ROMANIA TO EUPOS 2023  
Vlad SORTA

Riga, 22.11.2023

# CORS Network ROMPOS | Current Status & upgrade plan



Operating stations

75

Last upgrade

1 new station in 2023

Upgrade plan for 2023/2024

5

New station locations

50

Stations will be upgraded

Changes in 2023

1

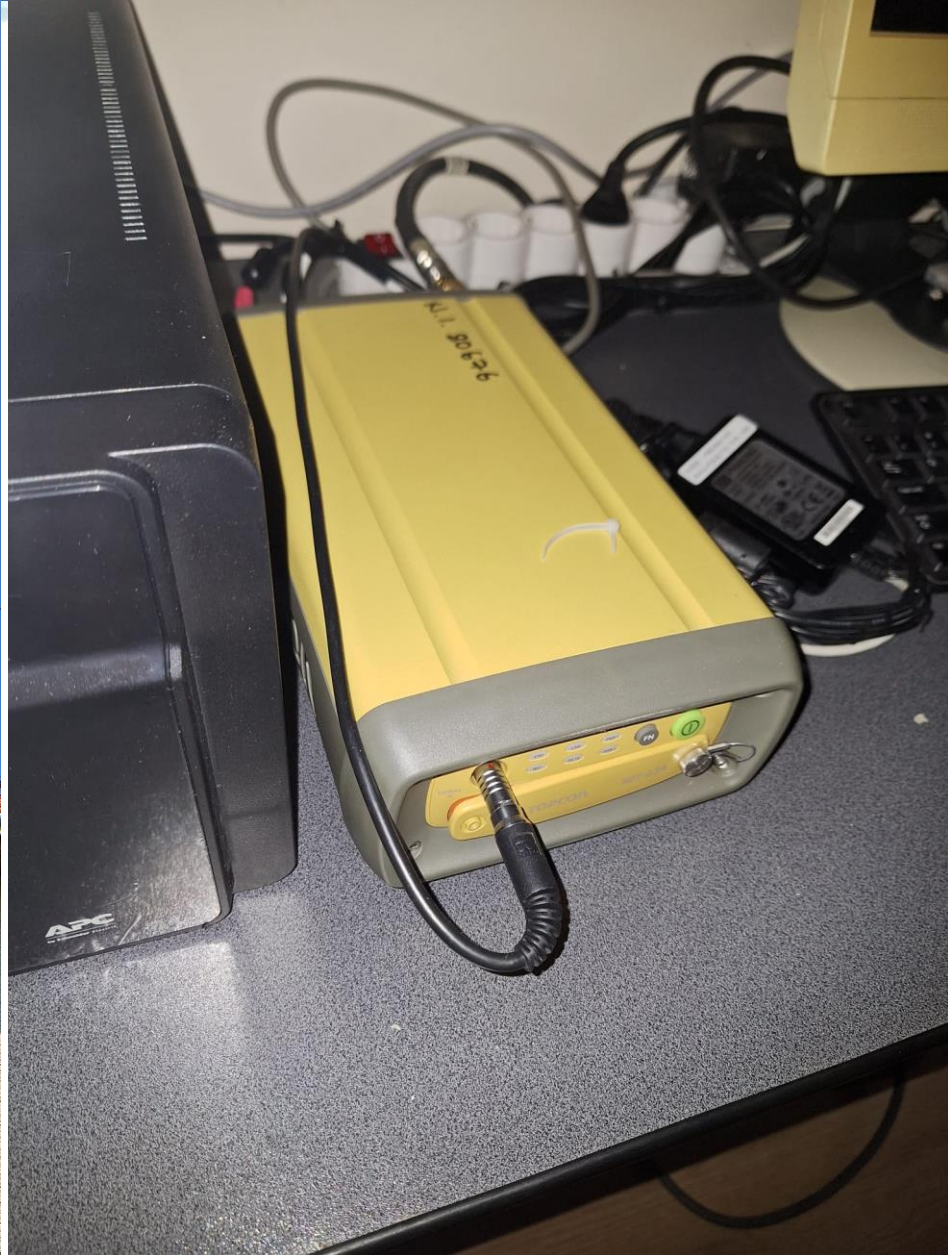
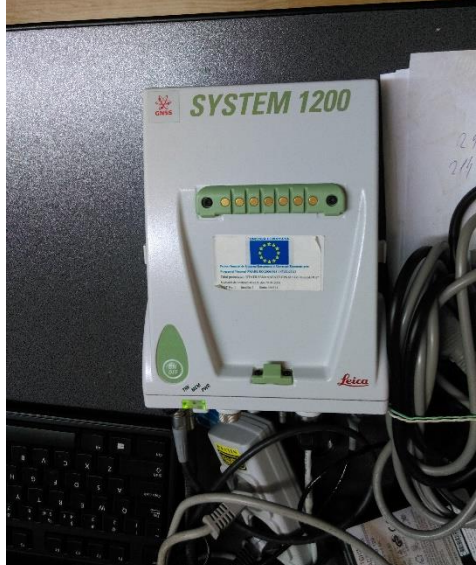
Location change (MOLD -> MOL2)

1

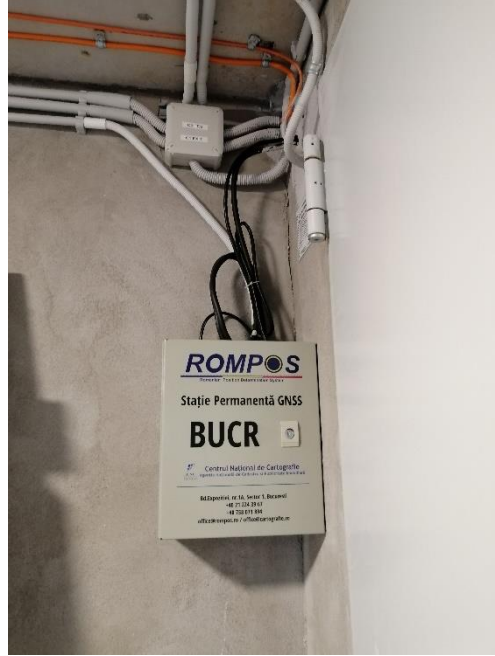
Equipment change (GURA)

Software  
Leica GNSS Spider  
V.7.8.3



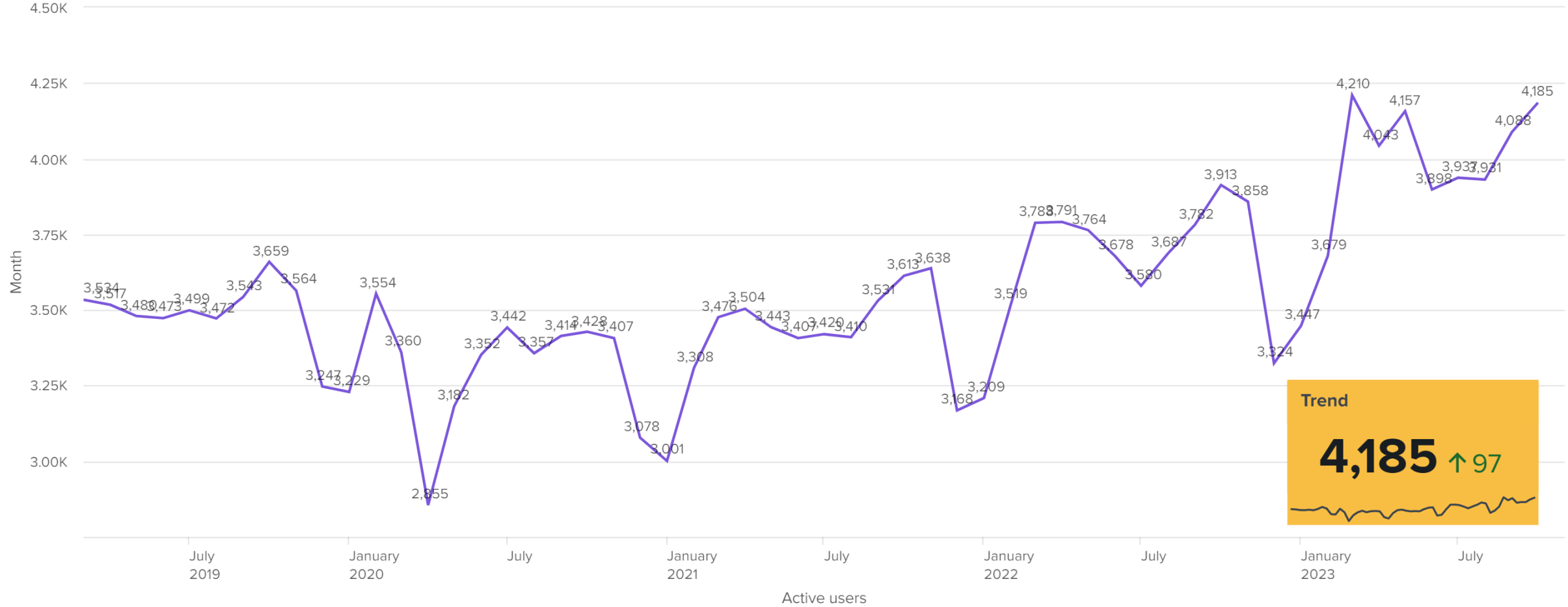


## 1 Equipment change (GURA)



# CORS Network ROMPOS | Usage - Active Users

Active users/month

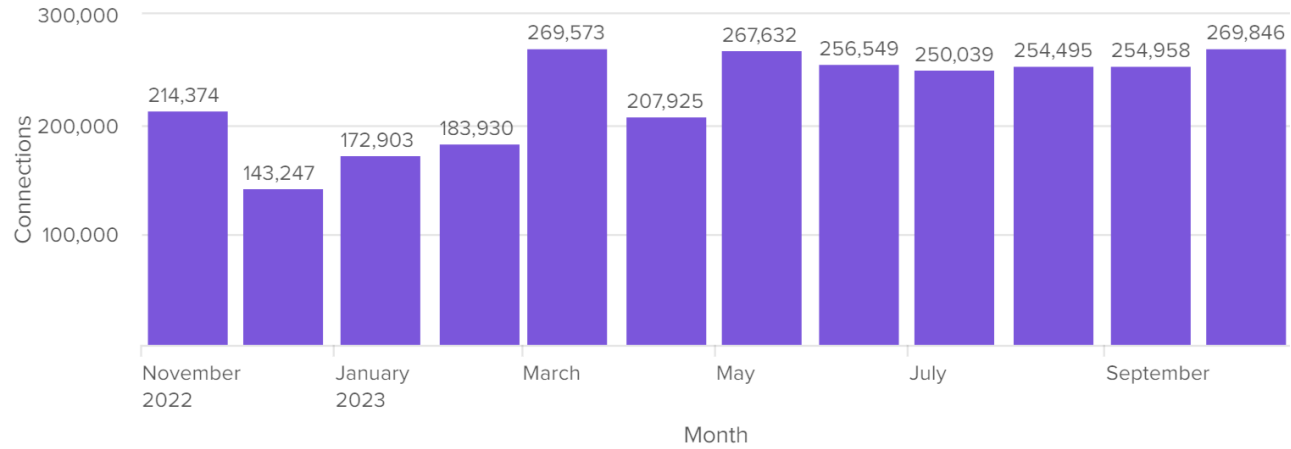


Trend

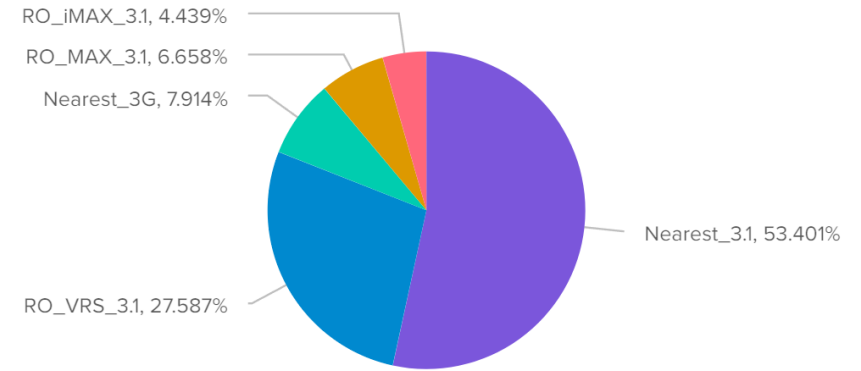
**4,185** ↑ 97

## RTK monthly connections

(without virtual rovers)

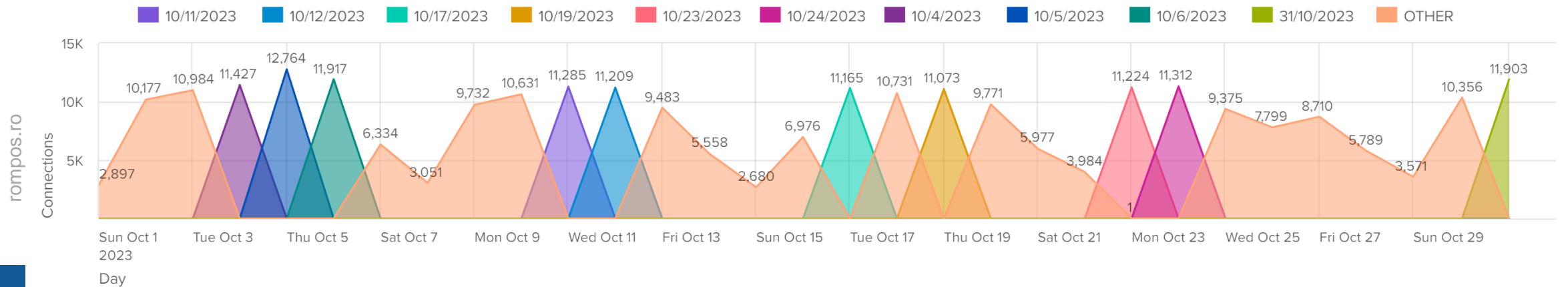


## Most used RT products for the last 12 months



## Daily connections for past month

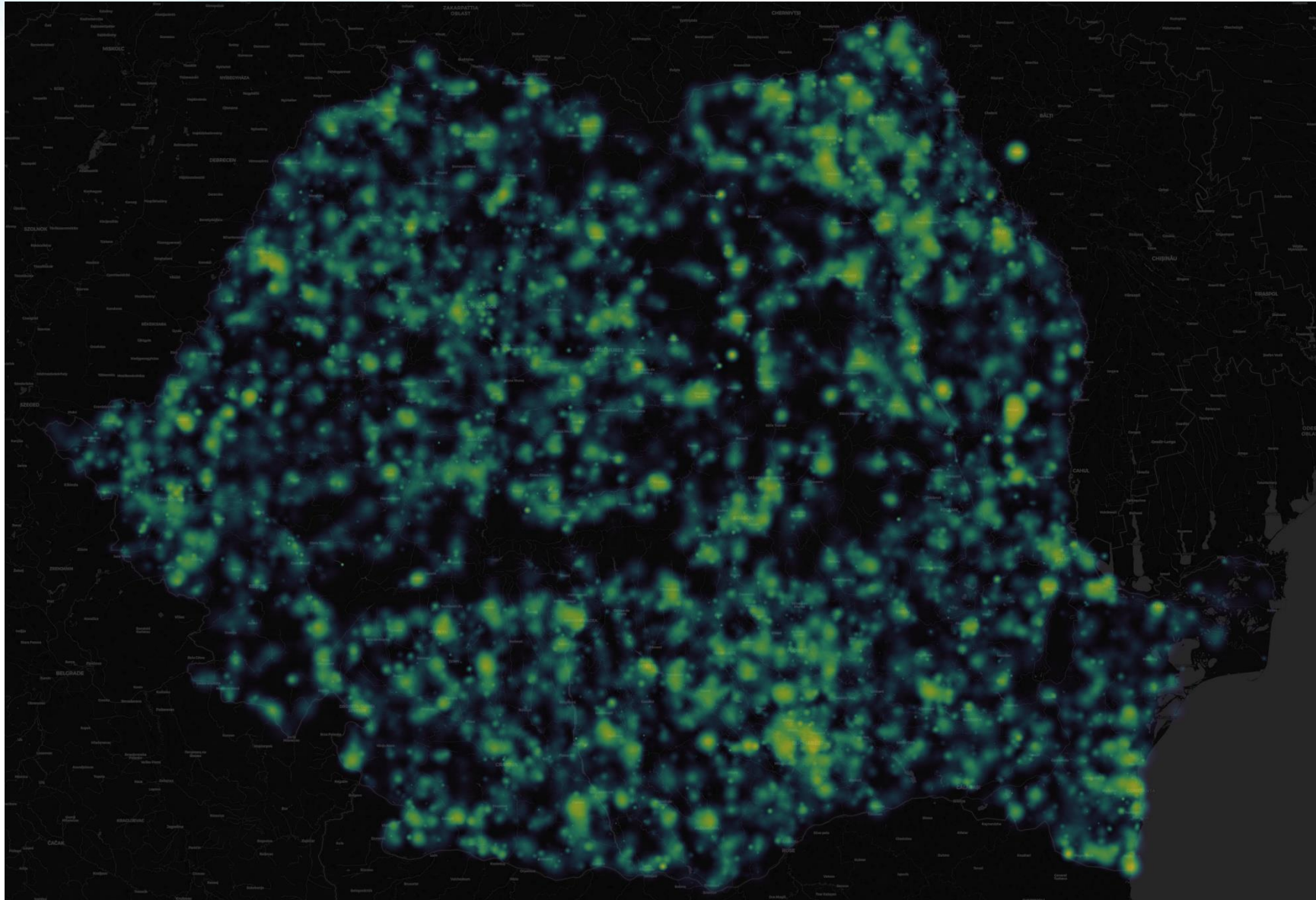
(without virtual rovers)

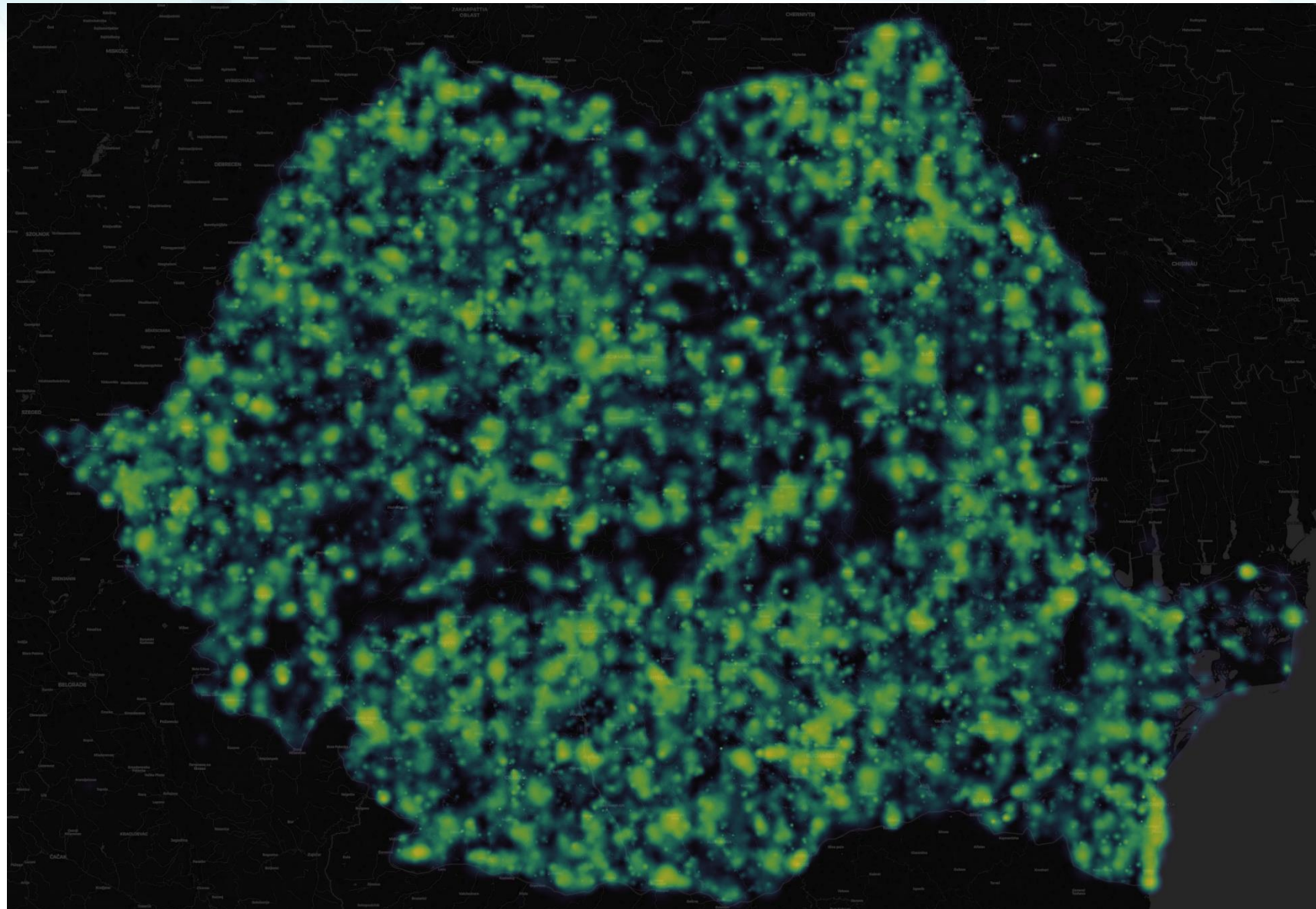


### Monthly Sessions Nearest 3G









### Tranzacții E-pay

2022-01-01 - 2022-12-31

**3.264.765,00 RON**

15005 tranzactii

### Tranzacții OP

2022-01-01 - 2022-12-31

**669.399,00 RON**

536 tranzactii

### OP + E-pay

2022-01-01 - 2022-12-31

**3.934.164,00 RON**

15541 tranzactii

### Fisiere RINEX

2022-01-01 - 2022-12-31

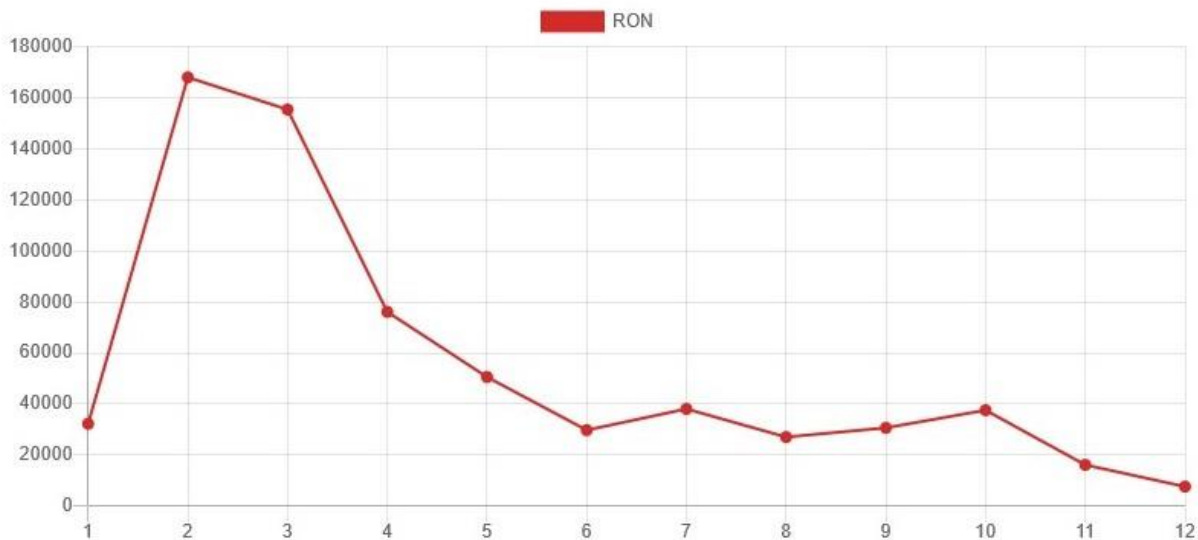
**62.925,00 RON**

-13108 fisiere

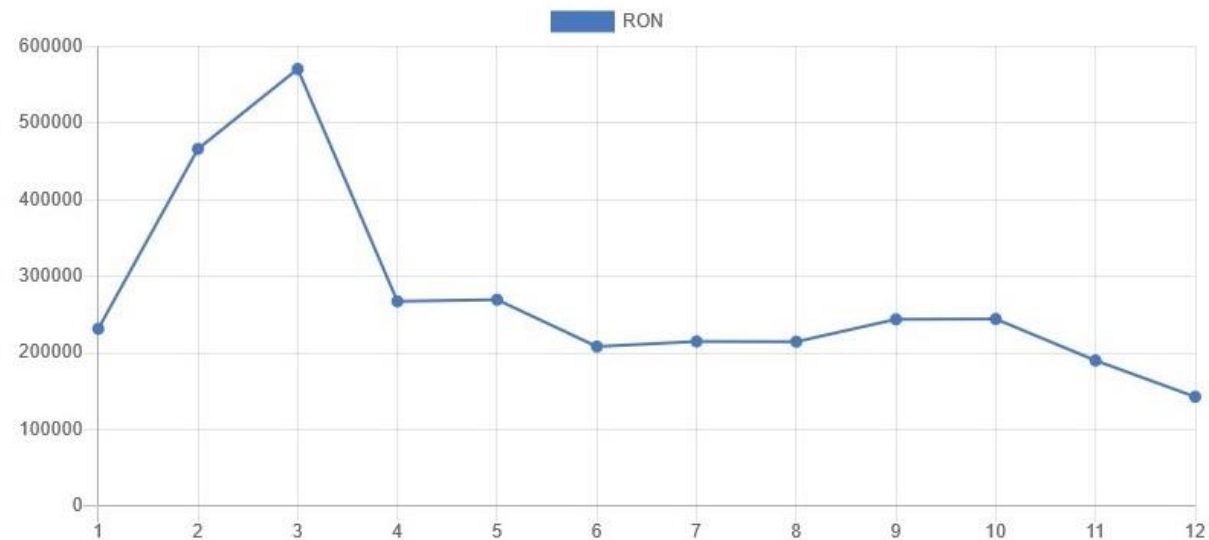
**Aprox. 804K EUR**

Filtrează graficul 2022-01-01 - 2022-12-31

Valoare tranzacții OP 2022-01-01 00:00:00 - 2022-12-31 23:59:59

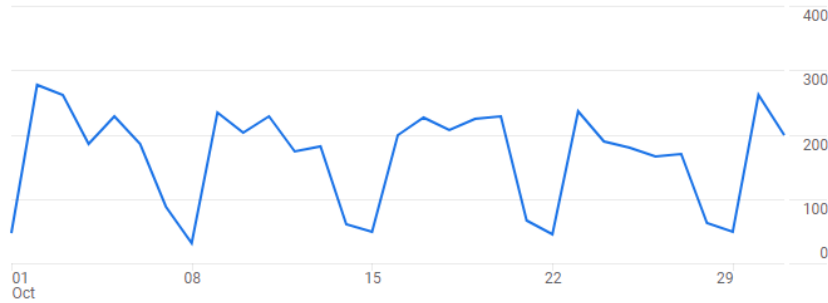


Valoare tranzacții e-pay 2022-01-01 00:00:00 - 2022-12-31 23:59:59

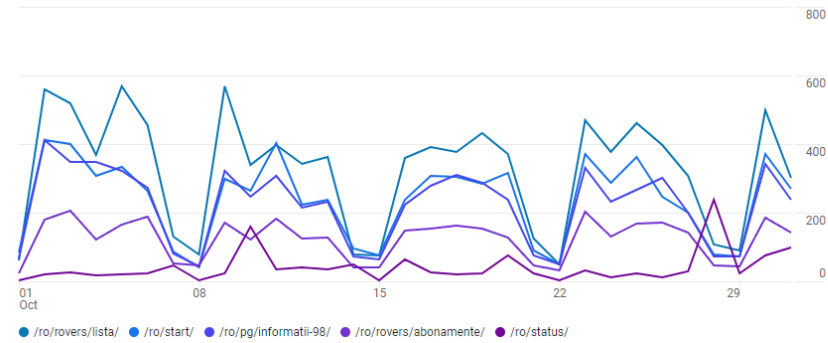


# CORS Network ROMPOS | Usage - App usage - October 2022

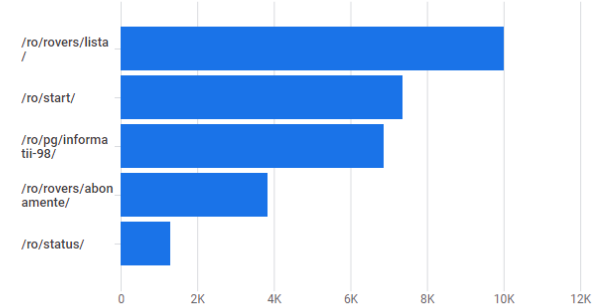
**Users** 3.6K   
 **New users** 2.5K   
 **Average engagement time** 3m 20s   
 **Total revenue** RON0.00



Views by Page path and screen class over time



Views by Page path and screen class



Page path and screen class	Views	Users	Views per user	Average engagement time	Event count
	34,924 100% of total	3,622 100% of total	9.64 Avg 0%	3m 20s Avg 0%	109,525 100% of total
1 /ro/rovers/lista/	10,008	2,922	3.43	2m 10s	29,840
2 /ro/start/	7,371	3,222	2.29	11s	28,261
3 /ro/pg/informatii-98/	6,869	2,951	2.33	15s	20,274
4 /ro/rovers/abonamente/	3,841	1,749	2.20	27s	11,374
5 /ro/status/	1,284	492	2.61	3m 14s	3,664
6 /ro/contulmeu/tranzactii/	1,018	429	2.37	41s	3,020
7 /ro/rinex/comenzi/	1,003	375	2.67	1m 39s	3,309
8 /ro/contulmeu/stare-sistem/	607	281	2.16	46s	1,479
9 /ro/rovers/descarca-jurnal/	507	217	2.34	29s	1,579
10 /ro/contulmeu/inregistrare-plata/	446	224	1.99	48s	1,322

### Users by Operating system

OPERATING SYSTEM	USERS
Windows	2.9K
Android	406
iOS	224
Linux	80
Macintosh	30

[View operating systems](#) →

### Users by Platform / device category

PLATFORM / DEVICE CATEGORY	USERS
web / desktop	3K
web / mobile	625
web / tablet	5

[View platform devices](#) →



## STARE SISTEM

Utilizatori conectați\*: 294  
Total soluții fixe: 244  
Soluții fixe rețea\*\*: 87  
TTF\*\*\* [sec]: 147  
% FIX: 80.27

Informații actualizate la 10 secunde  
\* utilizatorii care primesc corecții  
\*\* MAX, I-MAX, VRS, FKP  
\*\*\* Time To Fix (calculat ca abatere standard medie în ultimele 5 minute)

## SERVERE

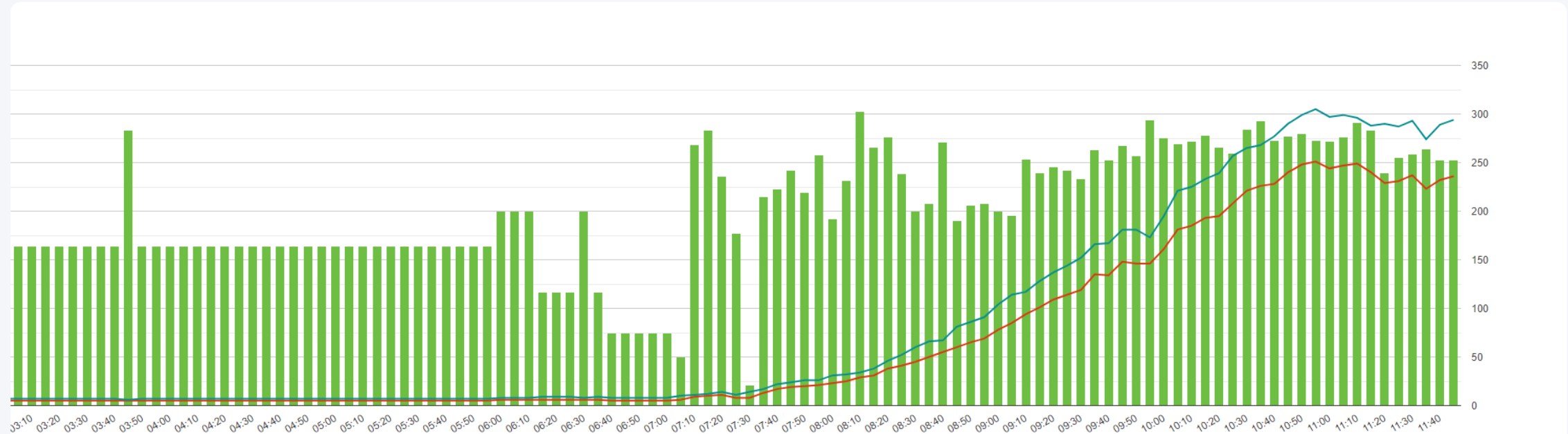
Cluster Server: 4/4 online  
RTKServer: online  
SBC Central Server: online  
SBC Proxy Server: online  
Site Server: online

## EFICIENȚĂ CLUSTERE PROCESARE PENTRU SOLUȚII NETWORK

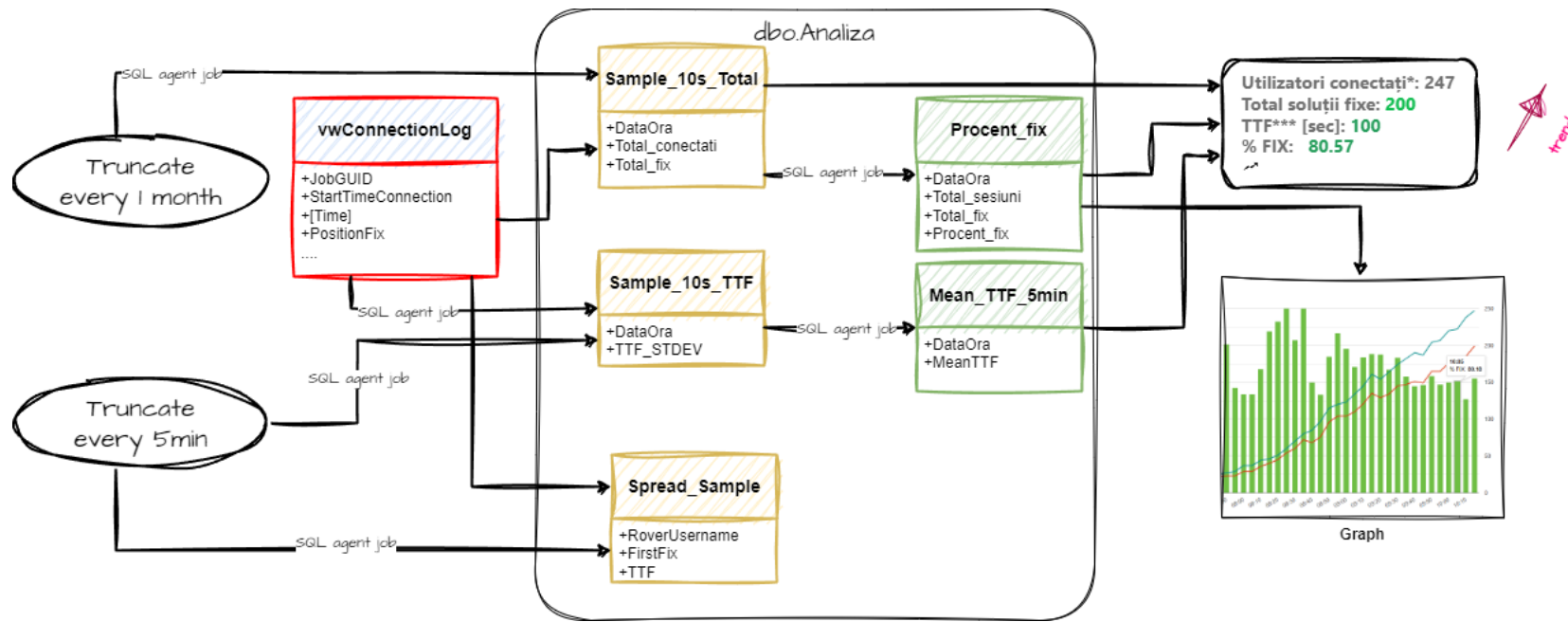
KPI cluster = (nr. sateliți fixed / nr. sateliți observabili) \* 100

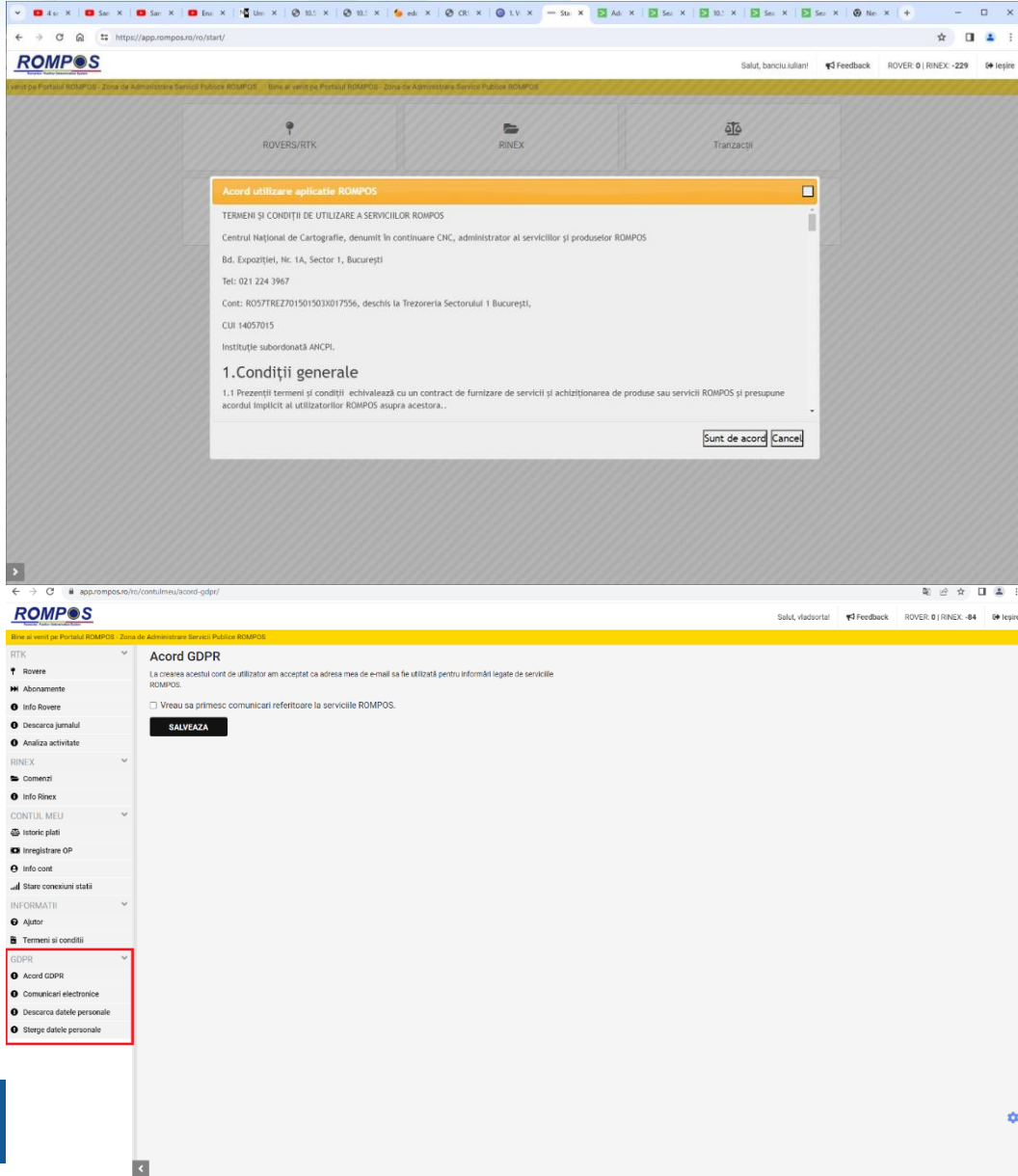


## SOLUȚII FIXE



Job Number	Frequency	Operations and Steps
Job 1	Every 5 minutes	<ol style="list-style-type: none"> <li>Truncate `analiza.dbo.Spread_Sample`.</li> <li>Calculate avg of `TTF_STDEV` from `analiza.dbo.Sample_10s_TTF`, insert into `analiza.dbo.Mean_TTF_5min`.</li> <li>Truncate `analiza.dbo.Sample_10s_TTF`.</li> <li>Insert data into `analiza.dbo.Spread_Sample` from `SpiderNetwork.dbo.vwConnectionLog`.</li> </ol>
Job 2	Every 5 minutes	1. Calculate session counts in `SpiderNetwork`, insert into `analiza.dbo.Procent_fix`.
Job 3	Every 10 seconds	1. Calculate session counts in `SpiderNetwork`, insert into `analiza.dbo.Sample_10s_Total`.
Job 4	Every 10 seconds	1. Calculate `@TTF_min`, `@TTF_max`, `@TTF_STDEV` in `SpiderNetwork`, insert into `analiza.dbo.Sample_10s_TTF`.
Job 5	1st day of each month	1. Truncate `analiza.dbo.Sample_10s_Total`.






## Setări de confidențialitate



Decideți ce module cookie permiteți. Puteți modifica oricând aceste setări. Cu toate acestea, vă rugăm să aveți în vedere că restricționarea utilizării cookie-urilor poate duce la nefuncționarea corectă a portalului. Pentru informații despre ștergerea modulelor cookie, consultați funcția de ajutor a browserului.

Cu cursorul, puteți activa sau dezactiva diferite tipuri de module cookie:




Esențial





Funcționalitate



Google Analytics

### Incluse

- ✓ Esențial: Amintirea setării pentru cookies
- ✓ Esențial: Permișiunea modulelor cookies pentru sesiuni
- ✓ Esențial: Autentificarea în contul de utilizator
- ✓ Funcționalitate: Amintirea filtrelor de căutare

### Excluse

- ✗ Google Analytics: Monitorizarea traficului
- ✗ Google Analytics: Urmărirea vizitelor
- ✗ Google Analytics: Urmărirea vizitatorilor

**SALVAȚI ȘI ÎNCHIDEȚI**

GDPR satisfy the 10 key requirements, respectively:

1. Lawful, fair and transparent processing
2. Limitation of purpose, data and storage
3. Data subject rights:
  - the right of access;
  - the right to rectification;
  - the right to erasure;
  - the right to restrict processing;
  - the right to data portability;
  - the right to object;
  - rights related to automated decision making including profiling + automatic notifications and password exchange.
4. Consent + storage of agreement of the user for the services
5. Personal data breaches
6. Privacy by design
7. Data protection impact assessment
8. Data transfers
9. Data protection officer
10. Awareness and training

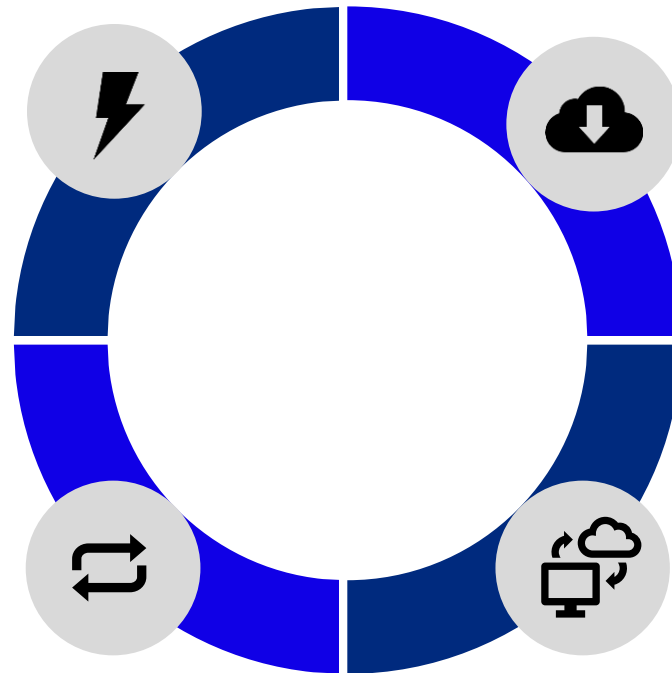


## **2023/2024 BEIDOU Upgrade**

After the new reference stations are installed

## **Ongoing Bernese Workflow Implementation**

In September 2022 one of our colleagues attended the Bernese Introductory Course in Bern and we are working with Hungarian colleagues to configure the workflow



## **RINEX 3 Workflow**

After the new reference stations are installed

## **4 year maintenance tender**

The new maintenance agreement was signed in May 2023.



THANKS FOR YOUR ATTENTION!