

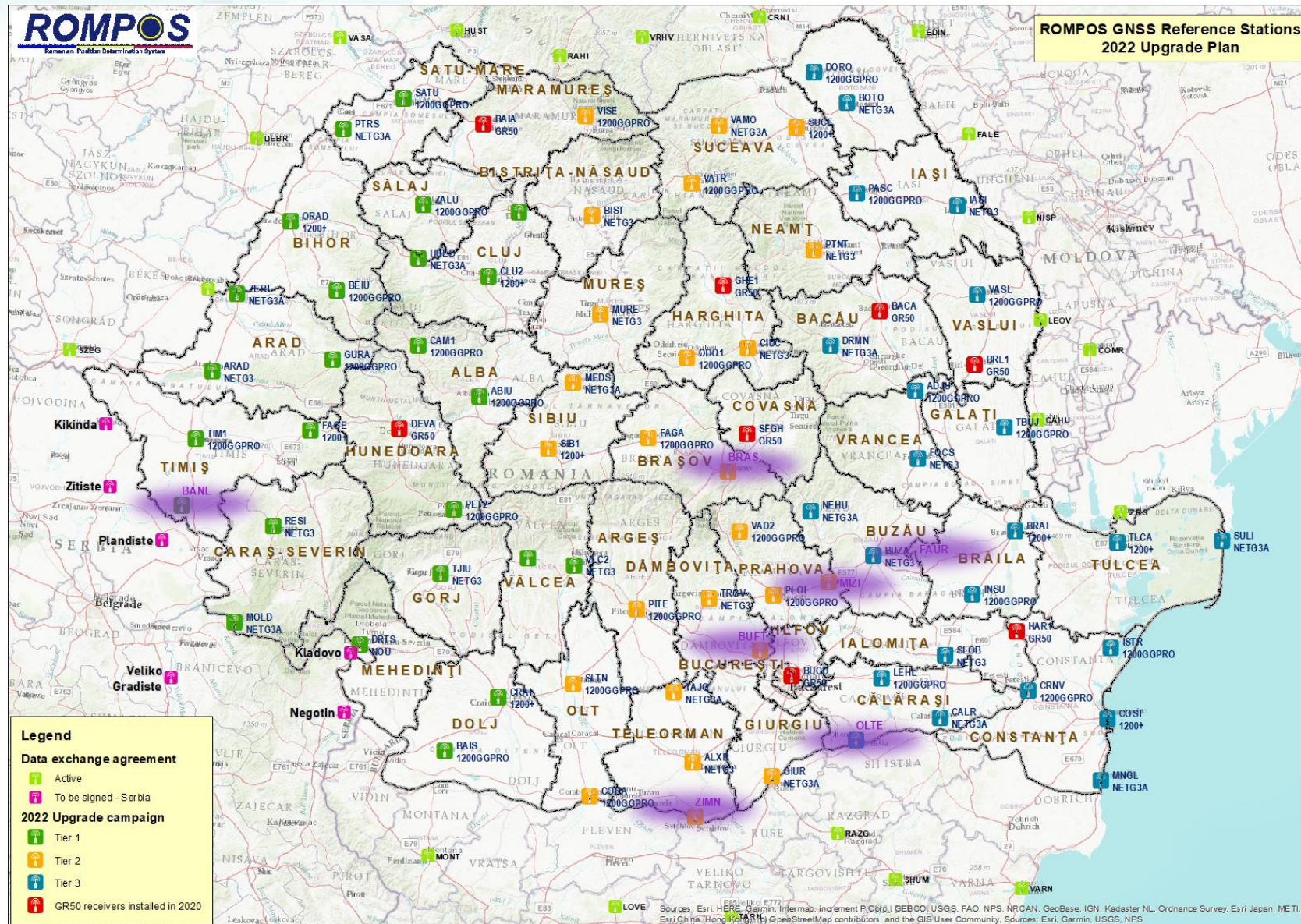
NATIONAL AGENCY FOR CADASTRE AND LAND REGISTRATION
National Center for Cartography
ROMANIA



NATIONAL REPORT OF ROMANIA TO EUPOS 2022
Miluța FLUERAȘ

16.11.2022

CORS Network ROMPOS | Current Status & upgrade plan



Operating stations

75

Last upgrade
8 receivers in 2020

Upgrade plan for 2023

7

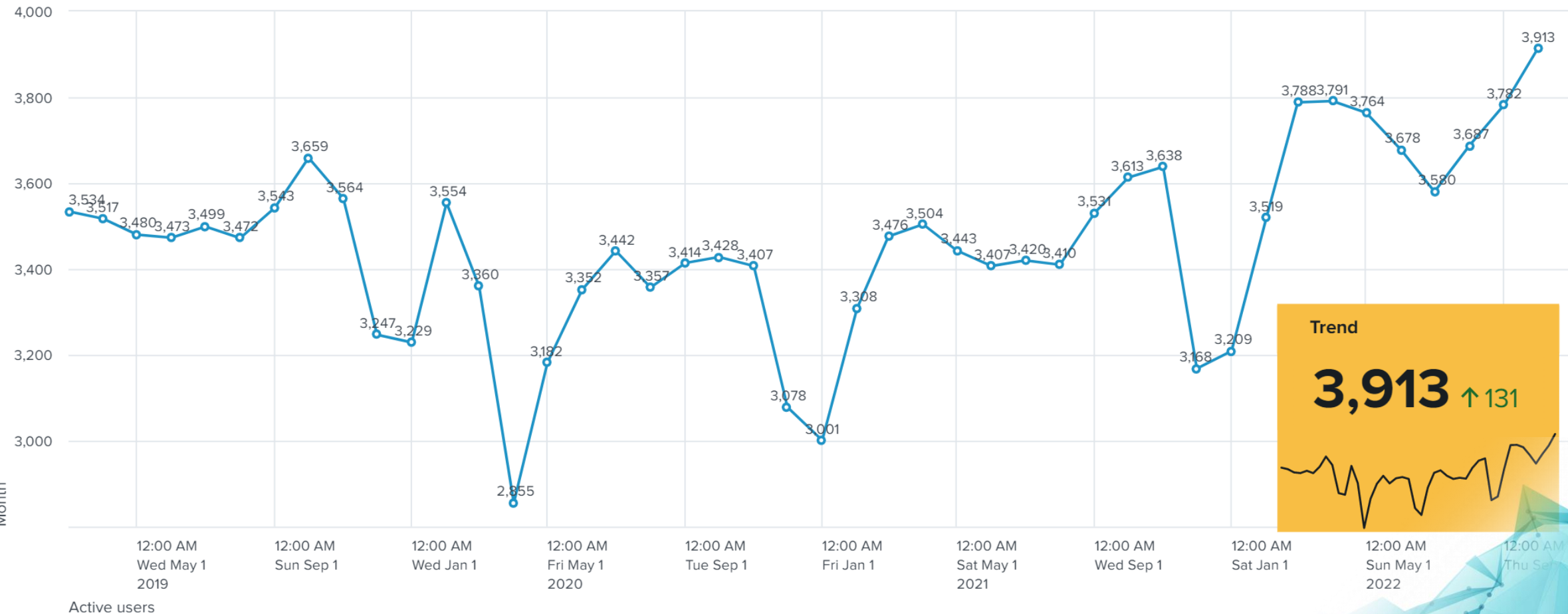
New station locations

67

Stations will be upgraded

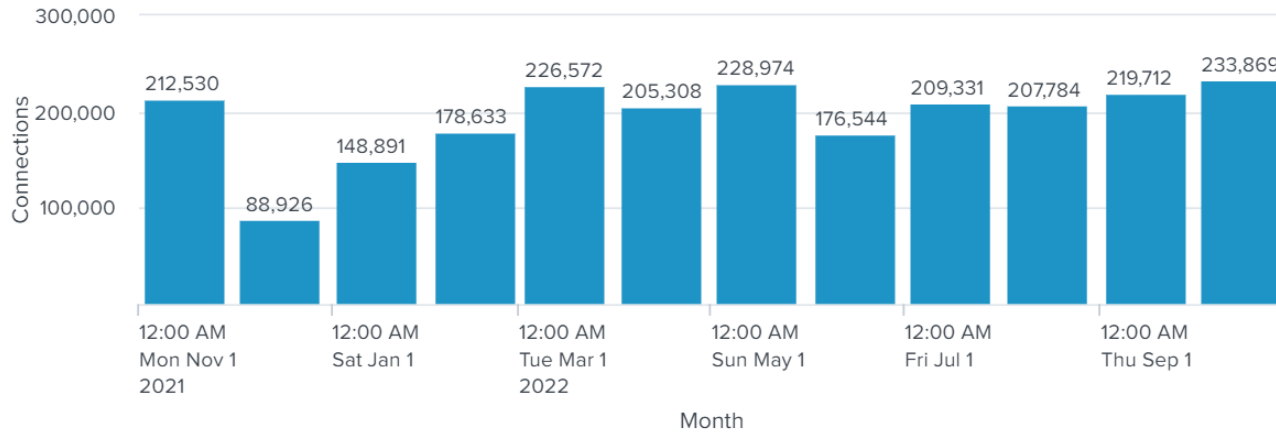
Software
Leica GNSS Spider
V 7.80

Active users/month

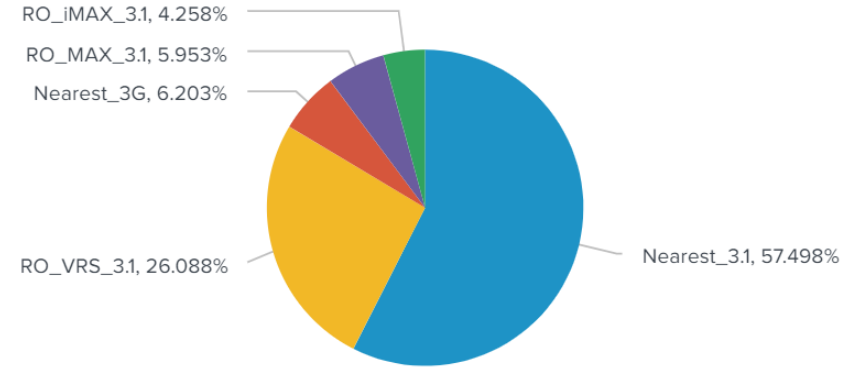


RTK monthly connections

(without virtual rovers)

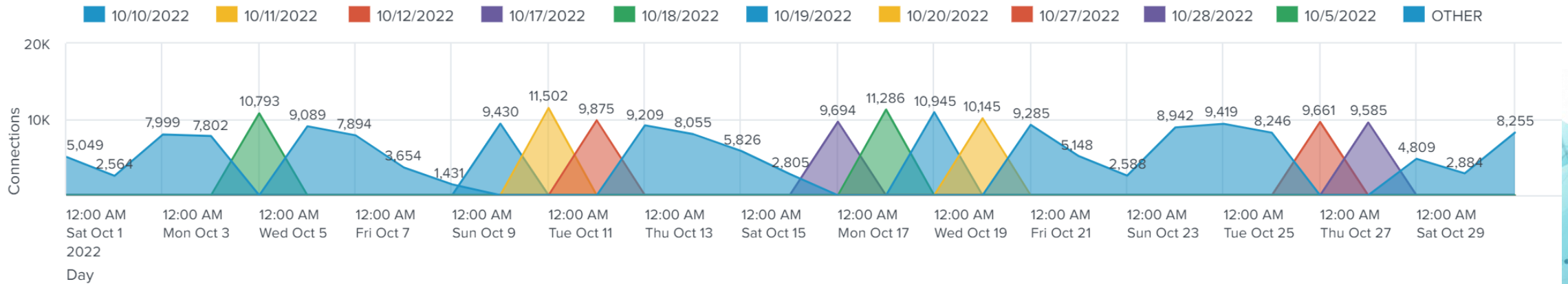


Most used RT products for the last 12 months

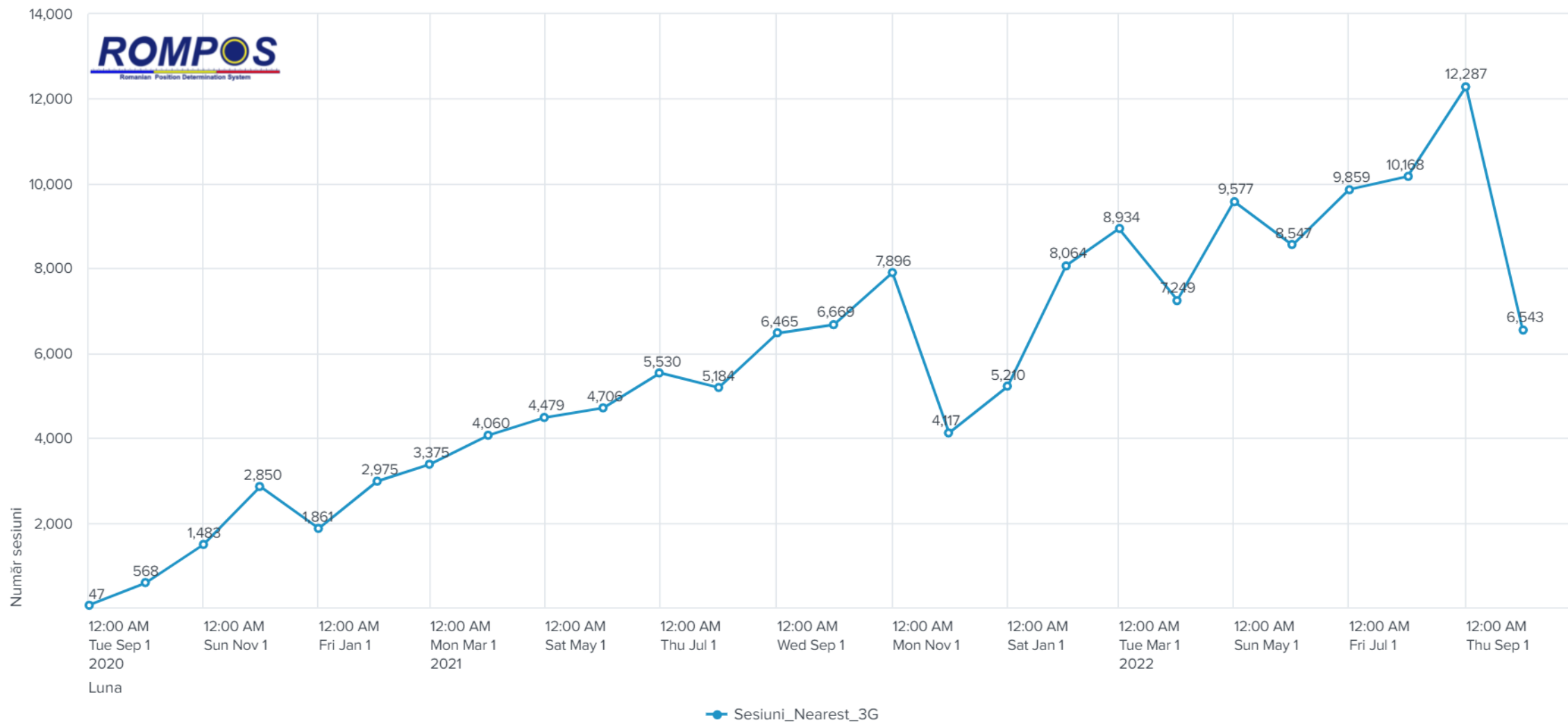


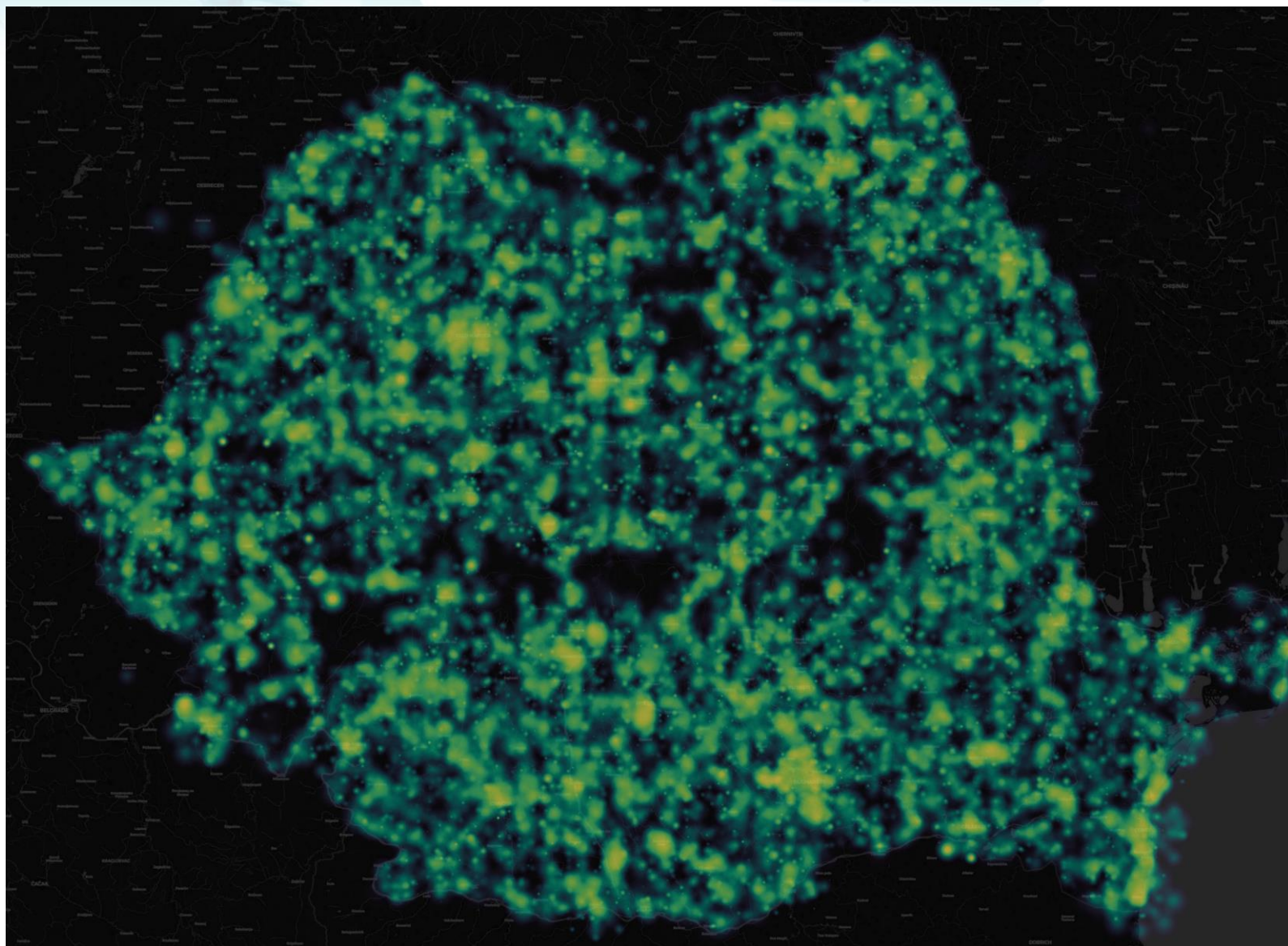
Daily connections for past month

(without virtual rovers)

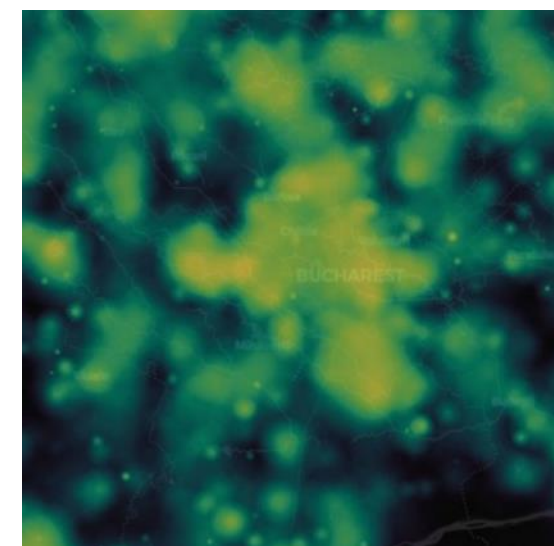


Statistică sesiuni lunare Nearest_3G





1 month



1 year

Tranzacții E-pay

2021-01-01 - 2021-12-31

2.932.555,00 RON

14758 tranzactii

Tranzacții OP

2021-01-01 - 2021-12-31

662.462,00 RON

581 tranzactii

OP + E-pay

2021-01-01 - 2021-12-31

3.595.017,00 RON

15339 tranzactii

Fisiere RINEX

2021-01-01 - 2021-12-31

49.120,00 RON

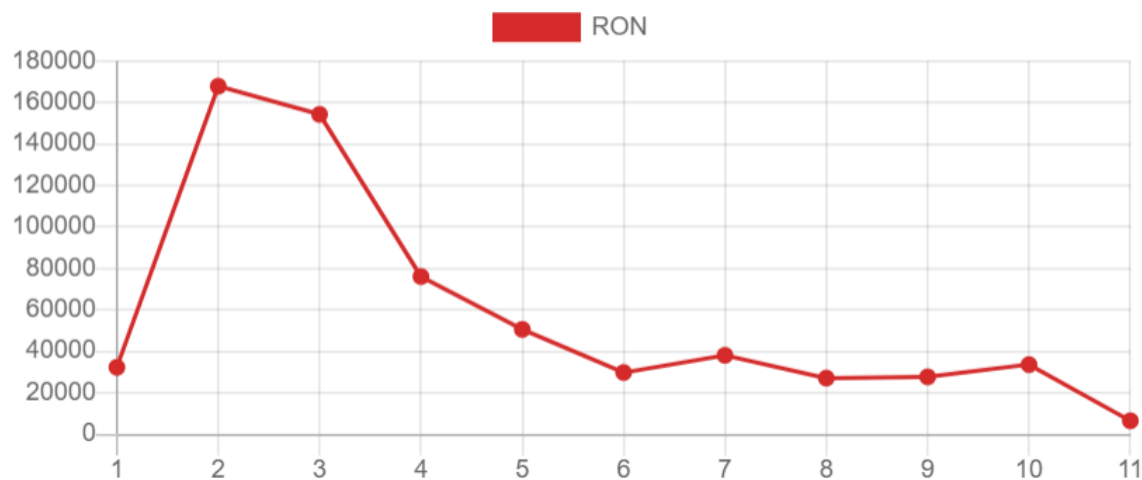
-6897 fisiere

Aprox. 740K EUR

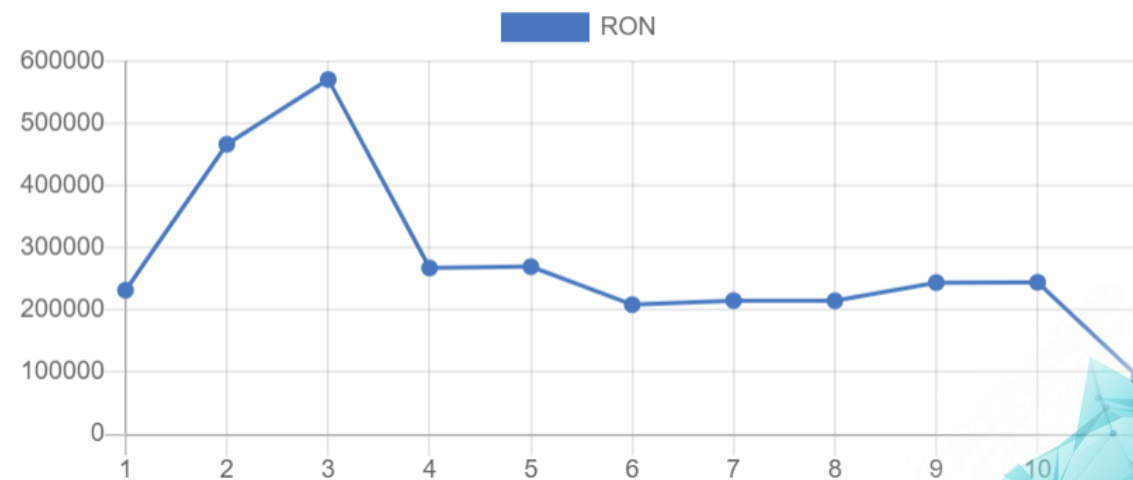
Filtrează graficul

2022-01-01 - 2022-12-31

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

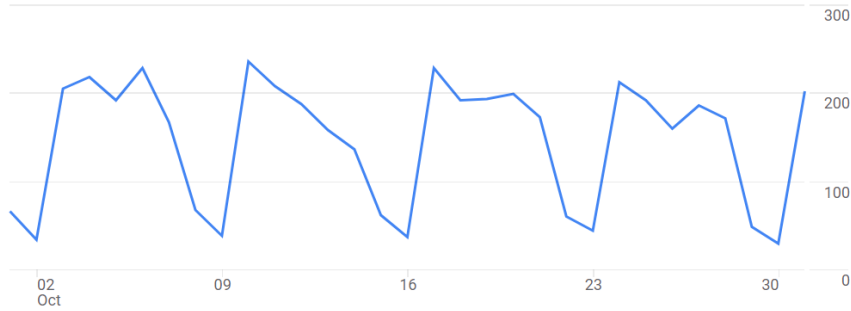


Valoare tranzacții e-pay 2022-01-01 00:00:00 - 2022-12-31 23:59:59

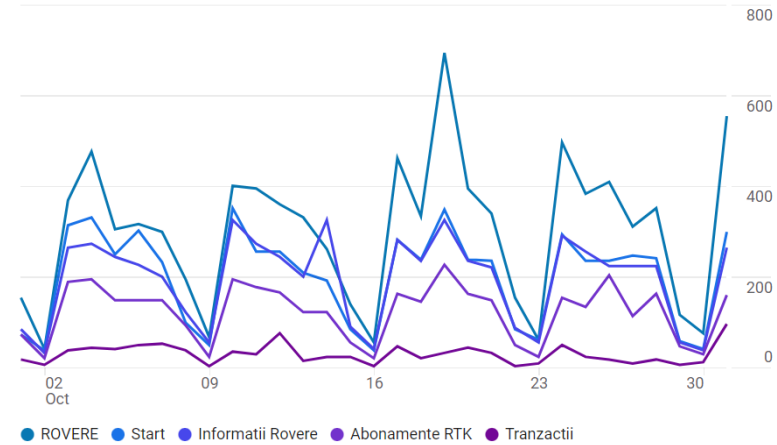


CORS Network ROMPOS | Usage - App usage - October 2022

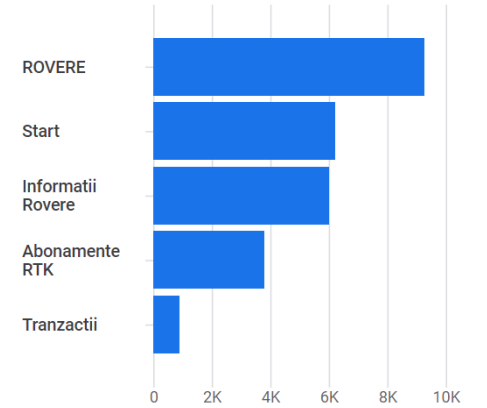
Users **3.2K** New users **2.3K** Average engagement time **3m 16s** Total revenue **RON0.00**



Views by Page title and screen class over time



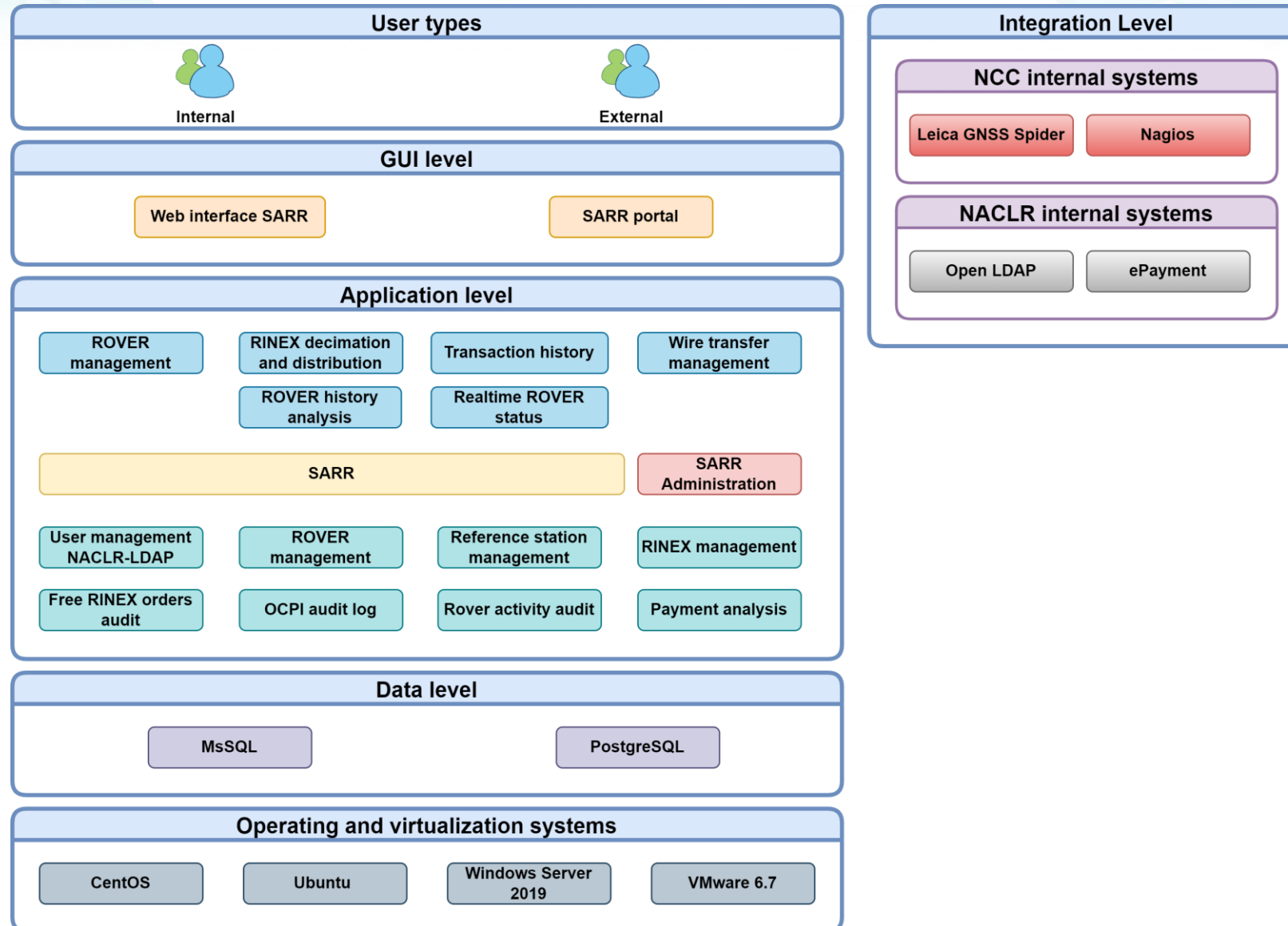
Views by Page title and screen class



Page title and screen class	Views	Users	Views per user	Average engagement time	Event count
	30,909 100% of total	3,192 100% of total	9.68 Avg 0%	3m 16s Avg 0%	98,268 100% of total
1 ROVERE	9,281	2,616	3.55	2m 20s	27,734
2 Start	6,204	2,917	2.13	0m 10s	24,517
3 Informatii Rovere	6,007	2,687	2.24	0m 13s	17,817
4 Abonamente RTK	3,794	1,619	2.34	0m 28s	11,234
5 Tranzactii	898	351	2.56	1m 06s	2,668
6 Comenzi RINEX	792	362	2.19	1m 44s	2,695
7 Informatii Rinex	639	340	1.88	0m 35s	1,593
8 Stare conexiuni statii	587	274	2.14	0m 47s	1,498
9 Stare ROMPOS	576	372	1.55	0m 28s	1,966
10 Datele mele	522	294	1.78	0m 21s	1,560

Users by Platform / device category

PLATFORM / DEVICE CATEGORY	USERS
web / desktop	2.6K
web / mobile	440
web / tablet	6





STARE SISTEM

Utilizatori conectați*: **417**
Soluții fixe rețea: 120**
 * utilizatorii care primesc corecții
 ** MAX, i-MAX, VRS, FKP (produsele Nearest nu sunt contorizate în Network Server)

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. sateliții fixed / nr. sateliții observabili) * 100

KPI cluster 1 NV
93.75%



KPI cluster 2 NE
80.00%



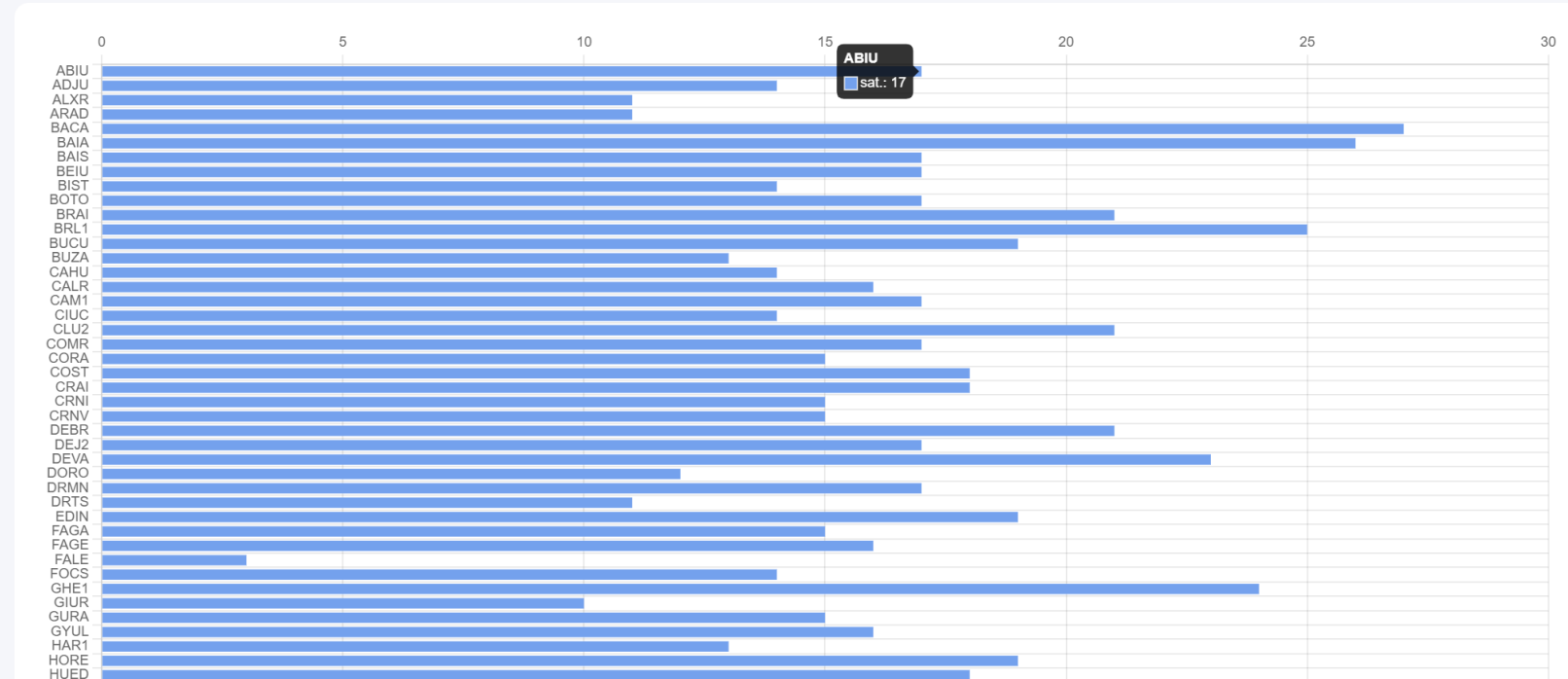
KPI cluster 3 SE
92.31%

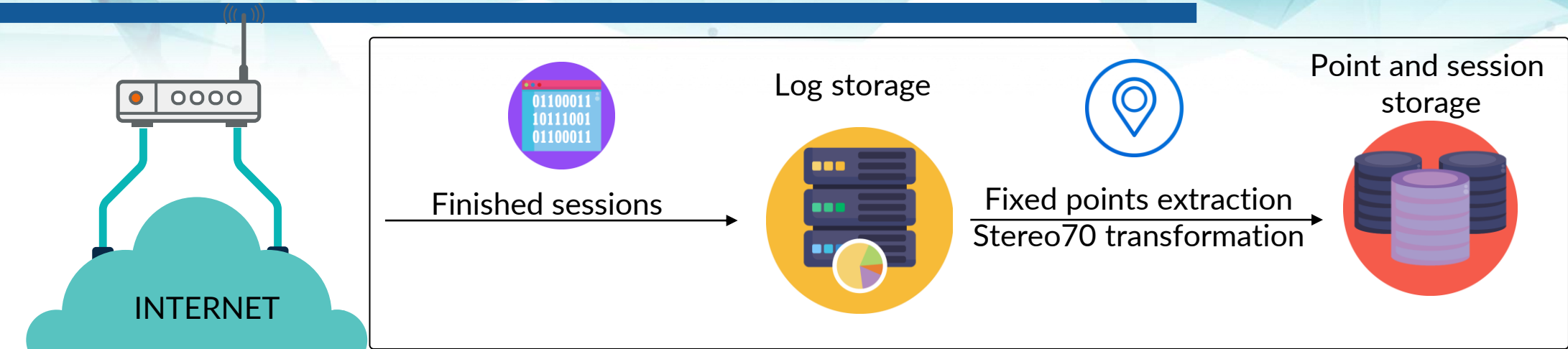


KPI cluster 4 SV
92.86%



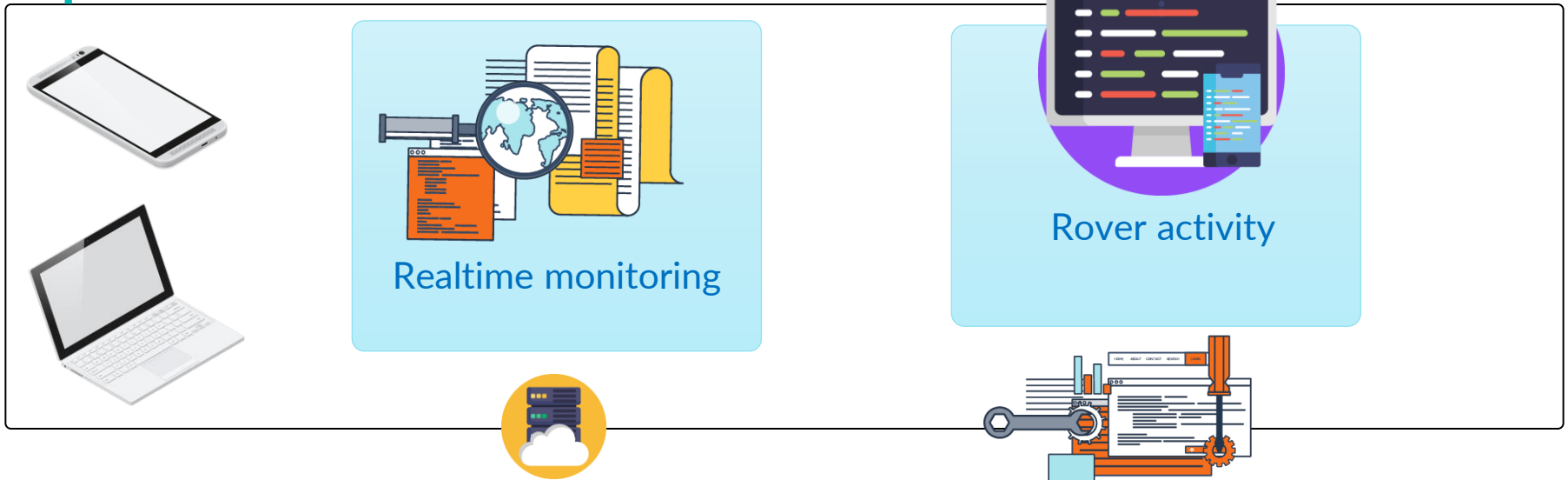
NUMĂR SATELIȚI FIXAȚI PENTRU PENTRU FIECARE SP GNSS





App infrastructure development

New features



Download session log

Extract activity logs

The **activity analysis** module permits RTK users to view all their measurements sessions.

Data is available in 10 mins after the sessions end.

ANALIZA ACTIVITATE

Salut, Miluta! Personalizare ? Ajutor Ieşire

2022-03-01 - 2022-03-31 miluta # 8044451 (309 puncte, 2022-03-24 11:09:38 - 2022-03-24 12:22:07) Generază DXF

Inventar de coordonate ale punctelor cu pozitie fixă pentru sesiunea(-ile): 8044451

#	O	Utilizator	RTProductname	Last site code	Data și ora	X	Y
1	●	miluta	RO_MAX_3.1	CORA	2022-03-24 12:22:07	458546.402	252554.128
2	●	miluta	RO_MAX_3.1	CORA	2022-03-24 12:21:52	458549.509	252554.264
3	●	miluta	RO_MAX_3.1	CORA	2022-03-24 12:21:47	458549.479	252554.264
4	●	miluta	RO_MAX_3.1	CORA	2022-03-24 12:21:42	458549.479	252554.280
5	●	miluta	RO_MAX_3.1	CORA	2022-03-24 12:20:57	458549.508	252554.257
6	●	miluta	RO_MAX_3.1	CORA	2022-03-24 12:20:47	458549.505	252554.262
7	●	miluta	RO_MAX_3.1	CORA	2022-03-24 12:20:37	458550.338	252554.290
8	●	miluta	RO_MAX_3.1	CORA	2022-03-24 12:20:27	458559.022	252553.676
9	●	miluta	RO_MAX_3.1	CORA	2022-03-24 12:20:22	458563.615	252554.341
10	●	miluta	RO_MAX_3.1	CORA	2022-03-24 12:20:17	458565.160	252554.678

Showing 1 to 10 of 309 entries

The **Download log** module permits RTK users to download the session log in html or xml format.

Data is available in 10 mins after the sessions end.

Perioada*

20 May 2022 Friday

20 May 2022 Friday

← May 2022 June 2022 →

MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN
25	26	27	28	29	30	1	30	31	1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28	29	30	1	2	3
30	31	1	2	3	4	5	4	5	6	7	8	9	10

Ranges: Astăzi Ieri Săptămâna trecută Luna curentă Luna trecută

Alege roverele*

Format download*

Formă crudă (xml)

VERIFICĂ

Fişierul a fost generat pentru perioada 2022-03-01 - 2022-03-30 pentru roverele miluta.

Descarcă fişierul.

Realtime position monitoring available from user account. Great for multi-rover monitoring.

Quality info available on display:

- Type of solution
- Satellites used
- HDOP

Tip soluție	Utilizator	Sateliiți U/F/GPS/GLO	Timestamp	Produs RT (mountpoint)	HDOP	Distanță stație (m)	Latitudine	Longitudine	Cotă elipsoidală	Hartă
RTK/PPS Fix (4)	[redacted]	10 F -1 -1	2022-07-29 08:26:42	BUCU - Nearest_3G	1.400	4,787	44.473262196667 N	26.066994306667 E	115.785	deschide
DGPS Fix (2)	[redacted]	12 F -1 -1	2022-07-29 08:26:37	BUCU - Nearest_3G	1.000	4,787	44.473262196667 N	26.066994306667 E	115.785	deschide
Navigated/SPS Fix (-1)	[redacted]	-1 28 11 8	2022-07-29 08:26:33	BUCU - Nearest_3G	-1.000	4,787	44.473262196667 N	26.066994306667 E	115.785	deschide
1 (1)	[redacted]	11 F -1 -1	2022-07-29 08:26:32	BUCU - Nearest_3G	1.100	4,787	44.473262196667 N	26.066994306667 E	115.785	deschide
Navigated/SPS Fix (-1)	[redacted]	-1 F -1 -1	2022-07-29 08:26:32	- Nearest_3G	-1.000	4,787	44.473262196667 N	26.066994306667 E	115.785	deschide
Navigated/SPS Fix (-1)	[redacted]	-1 F -1 -1	2022-07-29 08:26:30	- Nearest_3G	-1.000	4,787	44.473262196667 N	26.066994306667 E	115.785	deschide

Data și ora	Mesajul
2022-07-19 08:19:06.998	incorrect password of user [redacted] Access denied.
2022-07-19 08:18:17.2	User [redacted] is not authorized. Access denied.

Afișare de la 1 la 2 din 2 înregistrări Afizează 50 înreg./pag.

Data și ora	Mesajul
2022-07-26 12:55:30.221	User [redacted] is not authorized. Too many concurrent authorization requests.
2022-07-26 12:55:10.297	Rover user [redacted] rejected. No GPGGA message received. Access denied. (Client Host: '46.97.[redacted]:60799')

Afișare de la 1 la 2 din 2 înregistrări Afizează 50 înreg./pag.

Realtime rover error reporting

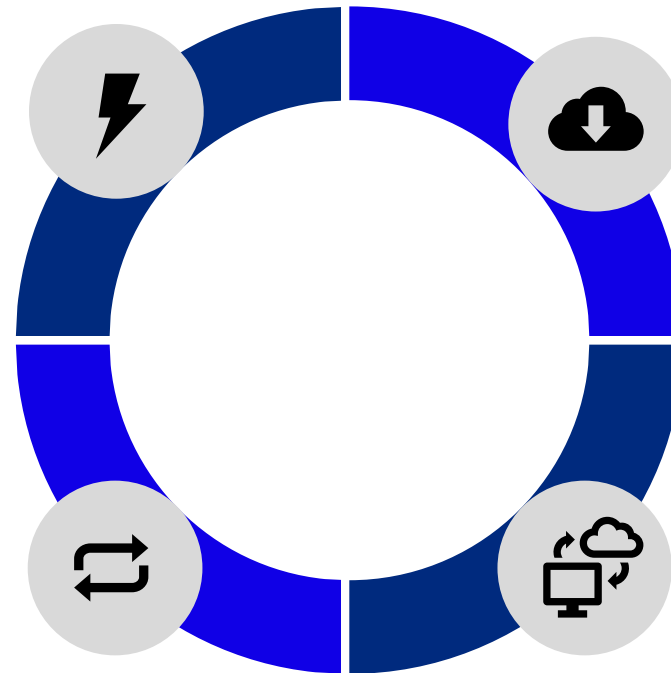
- Realtime via websocket
- 24h history

2023 BEIDOU Upgrade

After the new reference stations are installed

Ongoing Bernese Workflow Implementation

In September 2022 one of our colleagues attended the Bernese 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 is in public procurement



THANKS FOR YOUR ATTENTION!