

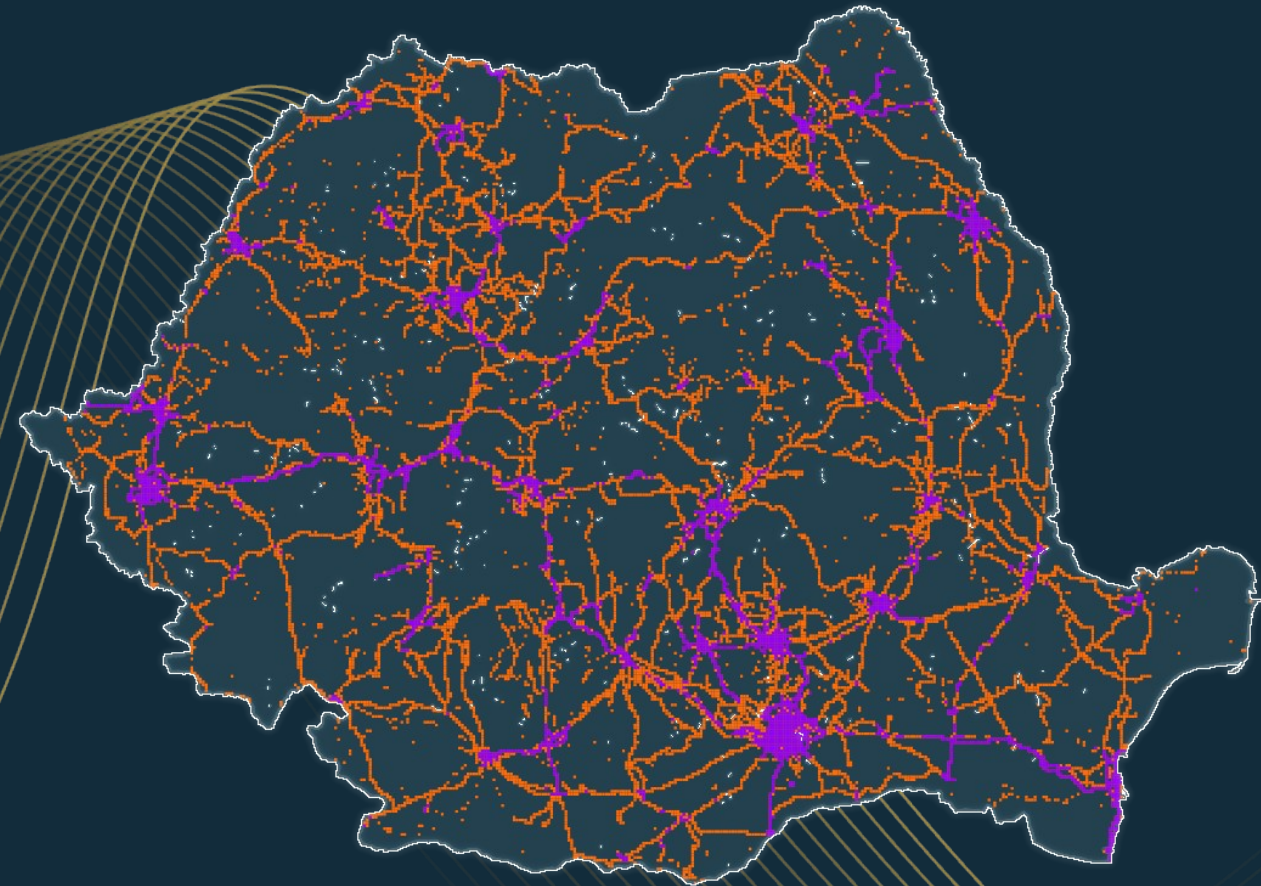
September 2026



Barometer of mobile coverage in Romania

4G/5G

09/01/2025 - 08/31/2026



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1. Introducing nPerf



An independent authority in network performance

nPerf is an independent French Internet performance measurement platform, powered by real user experience. By turning millions of individual measurements into connectivity insights, nPerf helps operators enhance their networks and contributes to building a faster, more reliable Internet for everyone.

 **300k+** tests daily
worldwide.

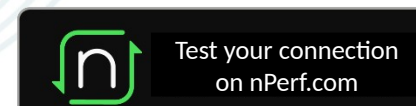
 **26Md+** coverage
scans in total.

 **3k+** servers all
around the world.

A comprehensive suite of tools to measure real-world connectivity

nPerf provides a complete ecosystem of complete measurement tools designed to capture the true quality of fixed, mobile, and Wi-Fi connections with precision, reaching speeds of up to 10 Gbps.

Users test. Operators learn. Everyone benefits.



2. Methodology (1/2) — Measuring coverage in the field



A field study, not a simulation

Mobile operators publish coverage maps computed from radio-propagation models. This barometer contains no modelling: every figure comes from measurements recorded in the field by real users, in real conditions of use — outdoors, indoors, in a car or on a train. It complements the operators' theoretical maps; it does not replace them.

A crowdsourced panel

Measurements are collected by the nPerf mobile application, on Android only: Apple does not open the signal-strength APIs to developers. The application records the signal level reported by the handset every time the device's position is requested by the operating system or by another installed application — maps, navigation, games — and throughout the active mapping sessions users can start themselves. Each record is time-stamped and geolocated to within 20 metres. Anyone can join the panel simply by installing the nPerf app.

Which measurements are kept

- Each measurement is attributed to the network that actually serves the handset, identified by its MCC/MNC codes.
- Measurements reporting no signal at all are kept — the absence of coverage is a result in its own right.
- A country is published only when the volume of measurements and the share of its inhabited territory actually surveyed are sufficient.

Which ISPs are kept

- Only ISPs operating their own network are included; MVNOs are excluded.
- An ISP is published only when its share of measurements is sufficient to be reliably represented in this report.

2. Methodology (2/2) — From measurements to a coverage rate



A grid of parcels

The territory is divided into a regular grid. Each parcel is roughly 400 to 600 m on a side depending on latitude — about 425 m at the latitude of France. A parcel is taken into account for an operator as soon as one of that operator's users has recorded at least one measurement inside it, with or without signal.

Each operator is measured on its own customers' data

This is the cornerstone of the method: an operator's coverage rate is computed from **the measurements collected by its own subscribers, not from those of all operators combined**. The reference perimeter — the denominator of the rate — is therefore specific to each operator: it consists of the parcels its own customers actually visited. Every operator is assessed precisely where its own customer base lives, works and travels.

Technologies are nested

A parcel counts as covered by a technology as soon as at least one measurement of that technology — or of a higher generation — was recorded in it. **3G coverage** is therefore the area where at least 3G is available, **4G coverage** the area where at least 4G is available, and **5G coverage** the area where 5G is available.

Three indicators

- **Geographical Coverage** — the share of the operator's reference parcels in which the technology was recorded. Every parcel carries the same weight, whatever its population.
- **In mobility Pop. Coverage** — the same parcels, each weighted by the number of distinct nPerf devices observed in it. The weighting reflects where users actually are, rather than the number of inhabitants declared per municipality: busy roads and city centres therefore weigh more than sparsely travelled areas.
- **nPerf Coverage Score** — the average of the two indicators above, in equal parts. The higher the score, the better the coverage.

Regional results

Regional figures follow exactly the same method, restricted to the parcels located inside each region's official administrative boundaries.

Reading the 5G figures

All the frequency bands used by each operator are taken into account. Low bands (700 MHz) reach further than mid (2,100 MHz) and high (3,500 MHz) bands but deliver lower speeds: coverage figures should be read alongside the speed results of the nPerf mobile barometer.

3. Executive Summary 4G



The subscribers of Digi enjoyed the best 4G coverage in 2026 in Romania.

Mobile coverage rate in Romania			
	Digi	Orange	Vodafone
Geographical Coverage Rate	95.41	95.17	92.20
Population Coverage Rate	98.27	98.37	97.38
nPerf Coverage Score	96.84	96.77	94.79

Source : nPerf.com

DIGI

Best Mobile coverage in Romania

Source : nPerf.com

nPerf Podium

Source : nPerf.com

4. National 4G coverage maps

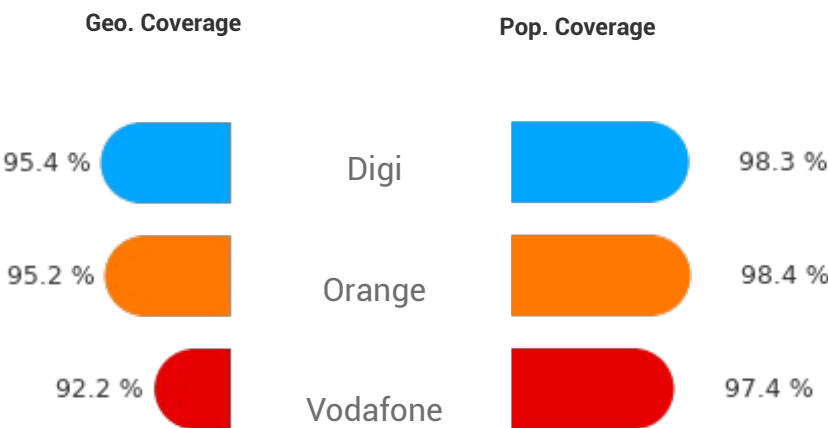


nPerf Coverage Score



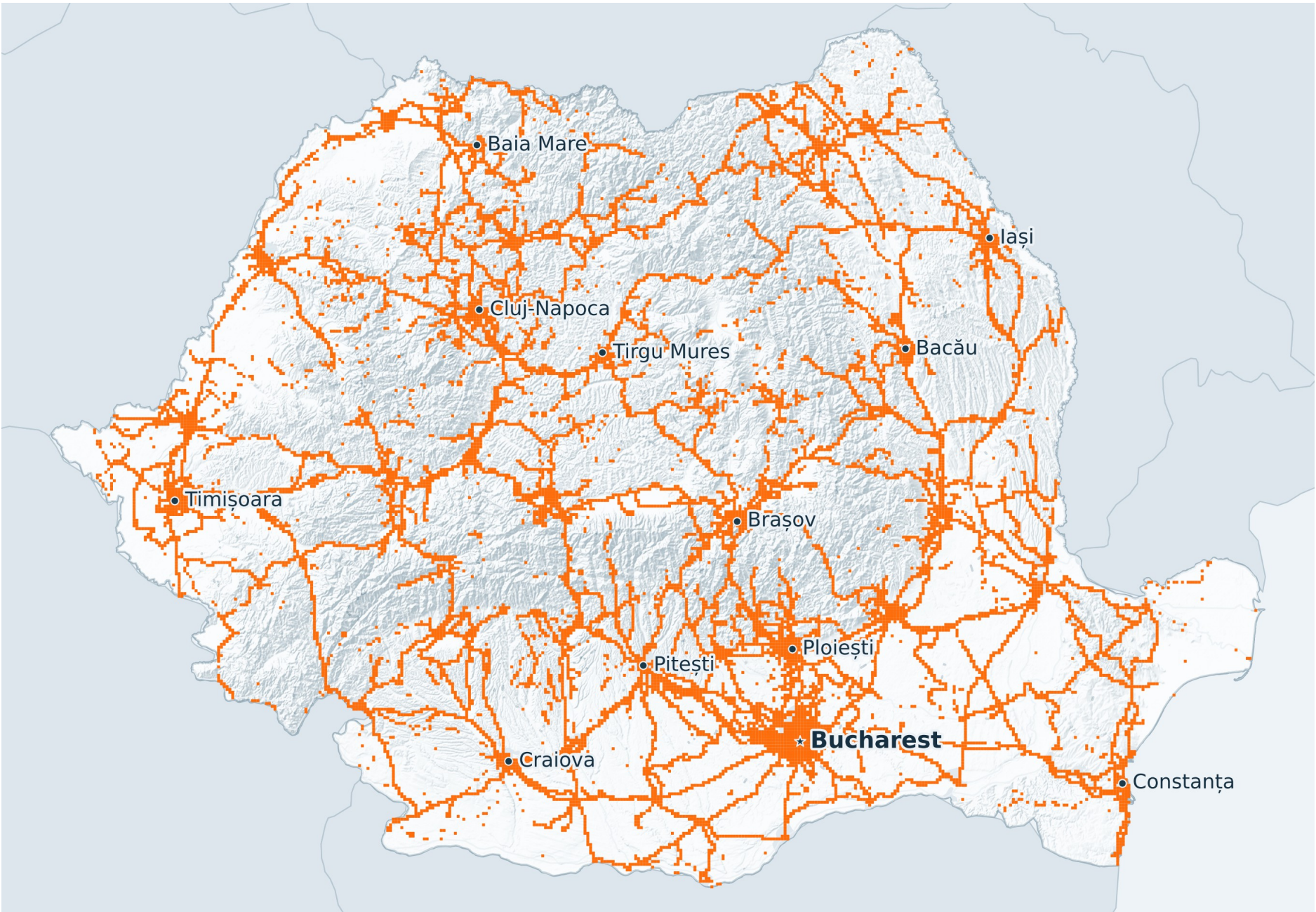
Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage

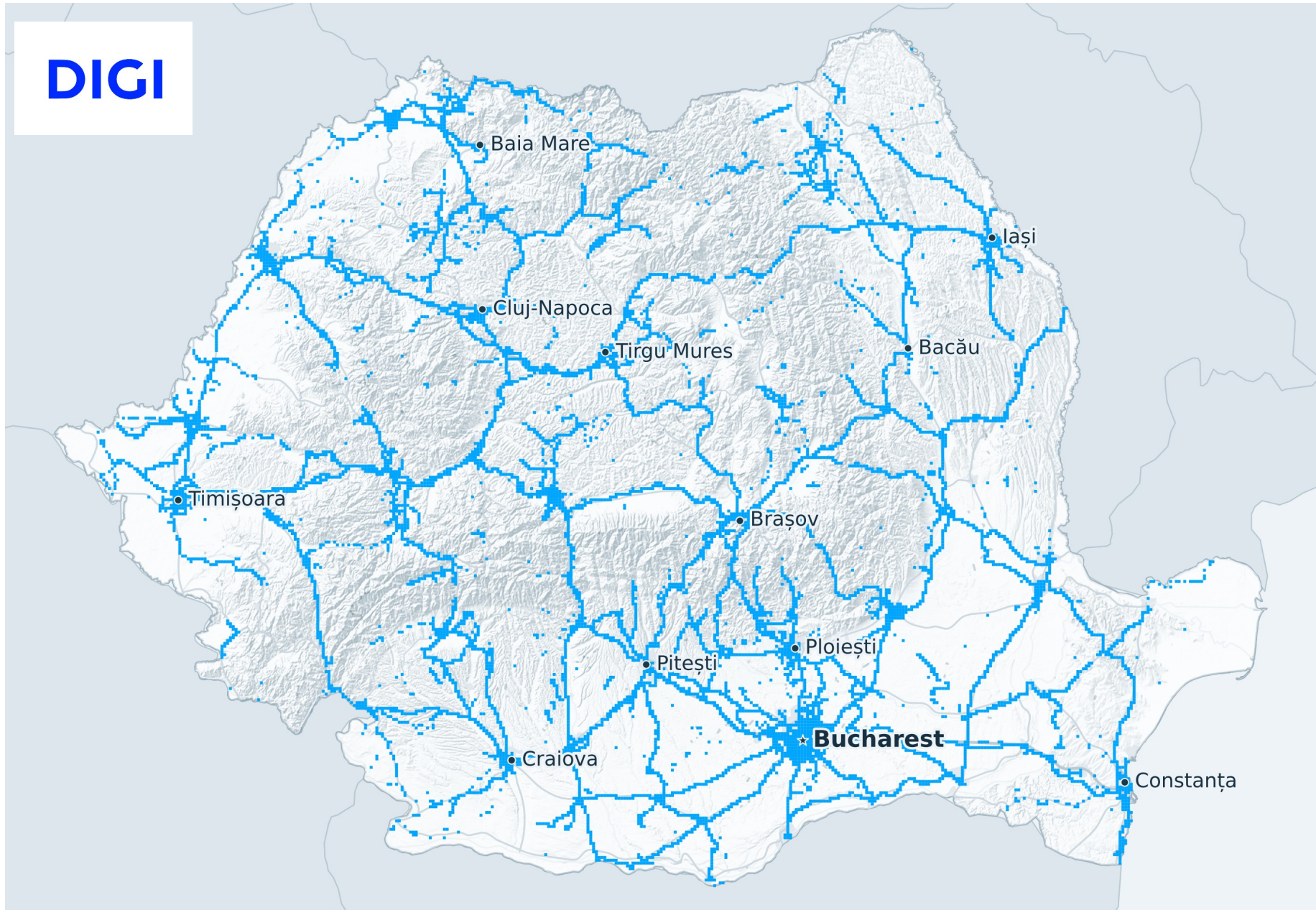


Digi

Geographical Coverage Rate (%) 95.41

Population Coverage Rate (%) 98.27

nPerf Coverage Score (%) 96.84



National 4G coverage maps for Orange

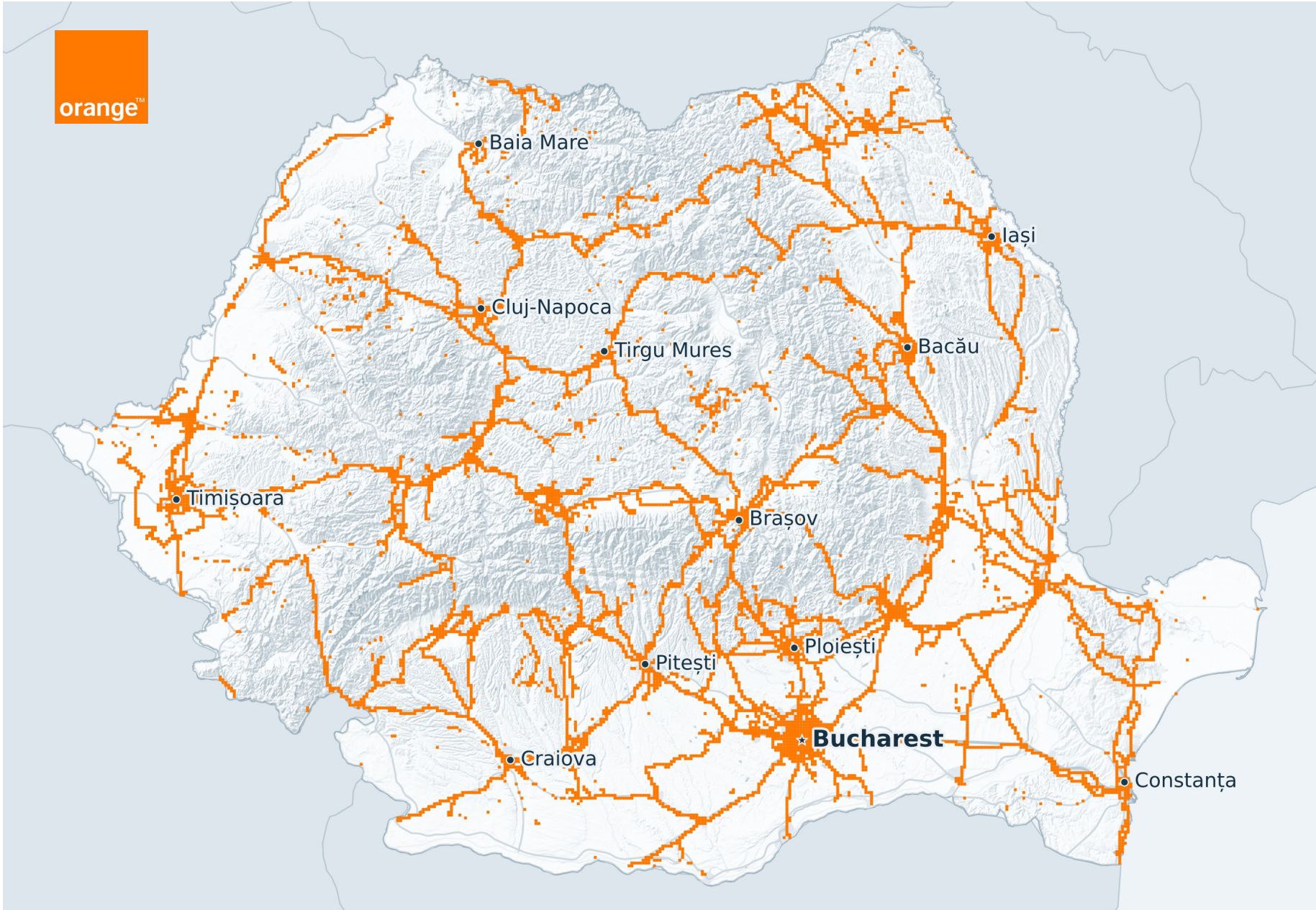


Orange

Geographical Coverage Rate (%) 95.17

Population Coverage Rate (%) 98.37

nPerf Coverage Score (%) 96.77

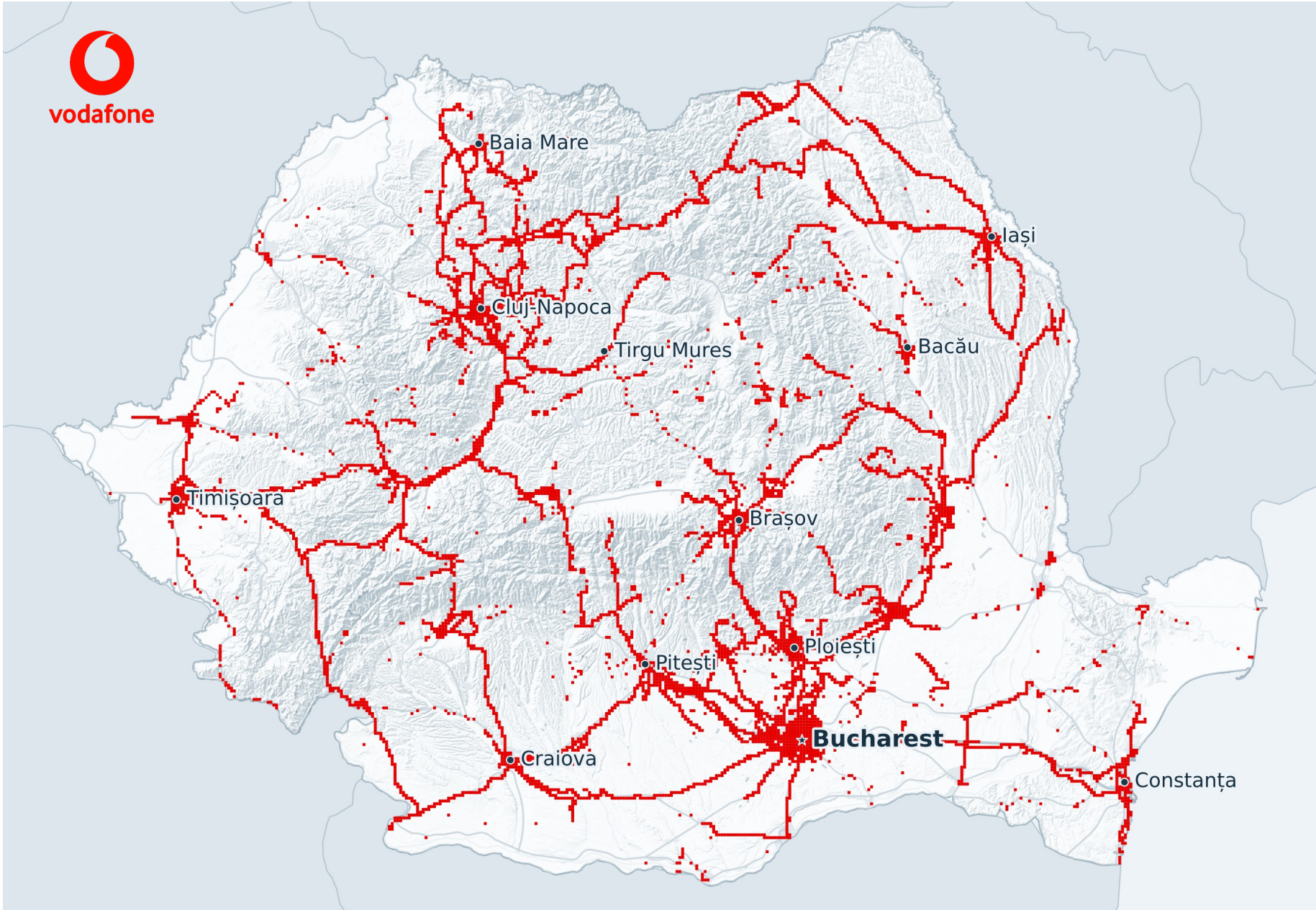


Vodafone

Geographical Coverage Rate (%) 92.20

Population Coverage Rate (%) 97.38

nPerf Coverage Score (%) 94.79



5. Executive Summary 5G



The subscribers of Orange enjoyed the best 5G coverage in 2026 in Romania.

Mobile coverage rate in Romania			
	Digi	Orange	Vodafone
Geographical Coverage Rate	14.44	32.08	17.70
Population Coverage Rate	28.01	47.42	31.89
nPerf Coverage Score	21.22	39.75	24.79

Source : nPerf.com



Best Mobile coverage in Romania



Source : nPerf.com

nPerf Podium



Source : nPerf.com

6. National 5G coverage maps

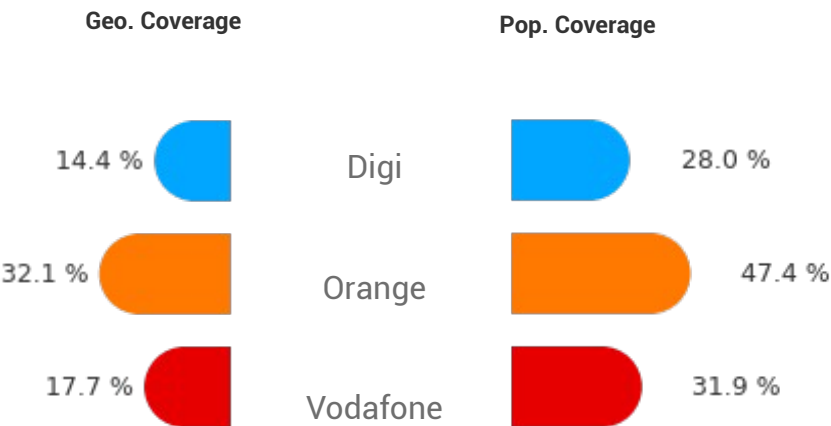


nPerf Coverage Score



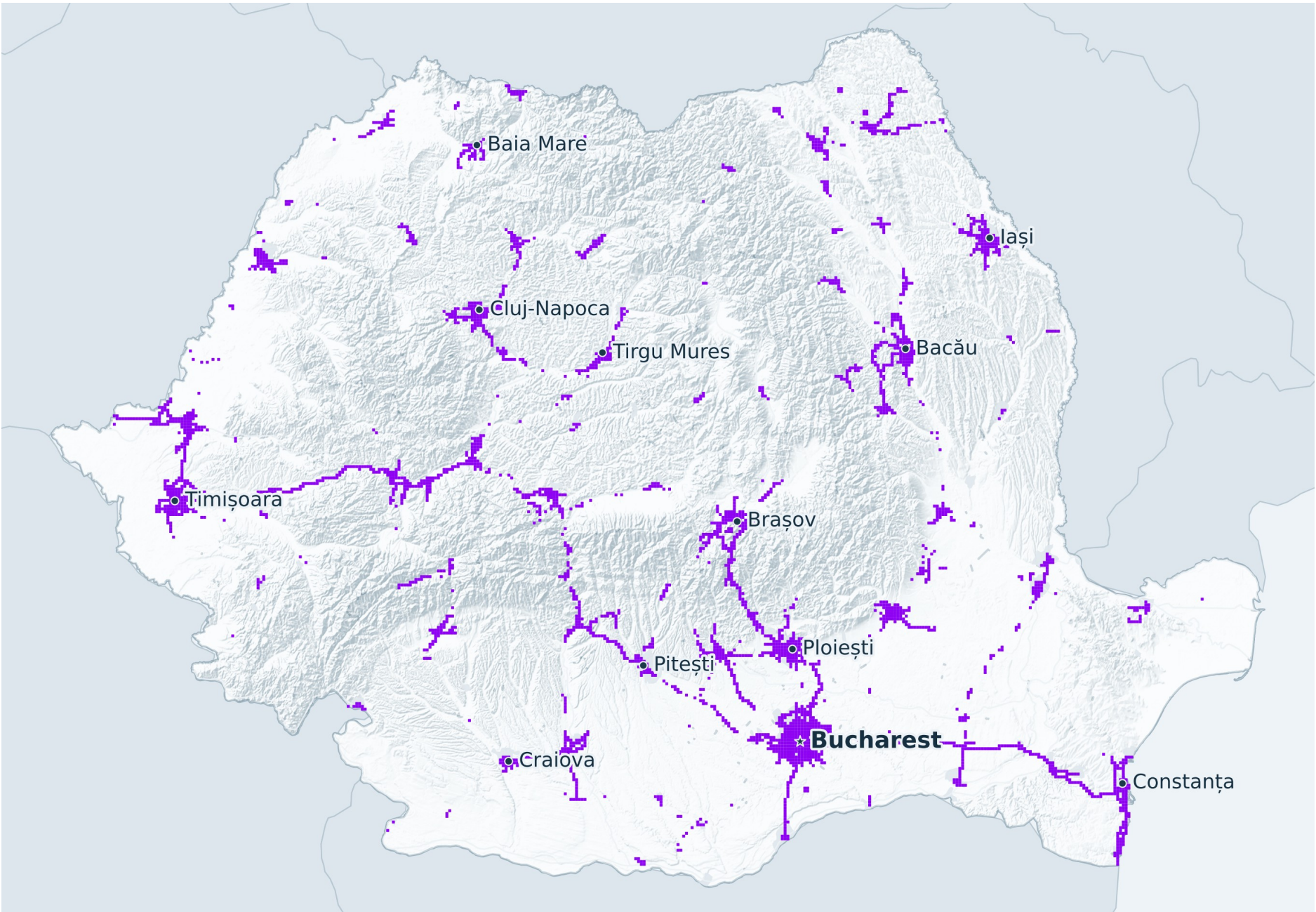
Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage



National 5G coverage maps for Digi

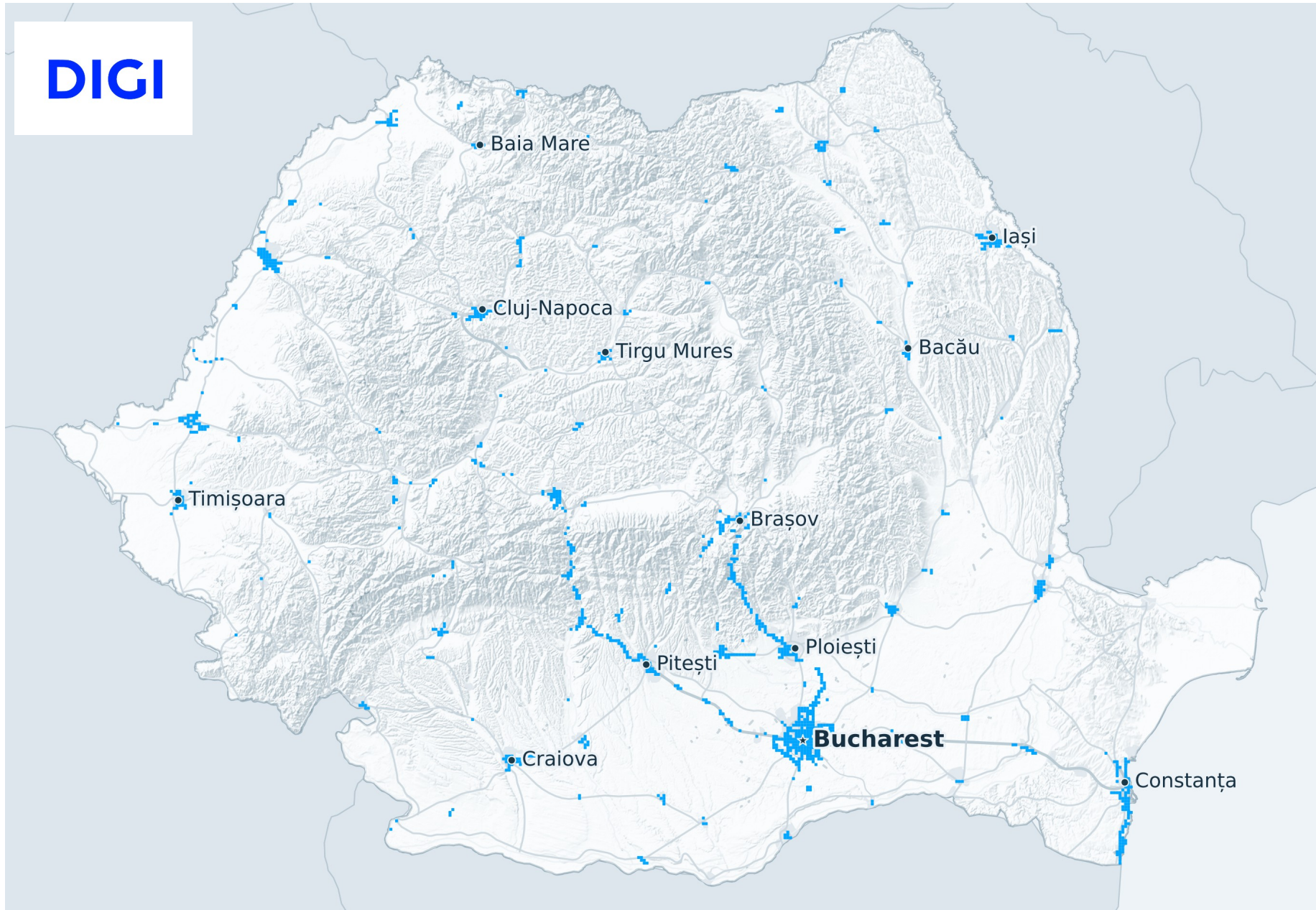


Digi

Geographical Coverage Rate (%) 14.44

Population Coverage Rate (%) 28.01

nPerf Coverage Score (%) 21.22



National 5G coverage maps for Orange

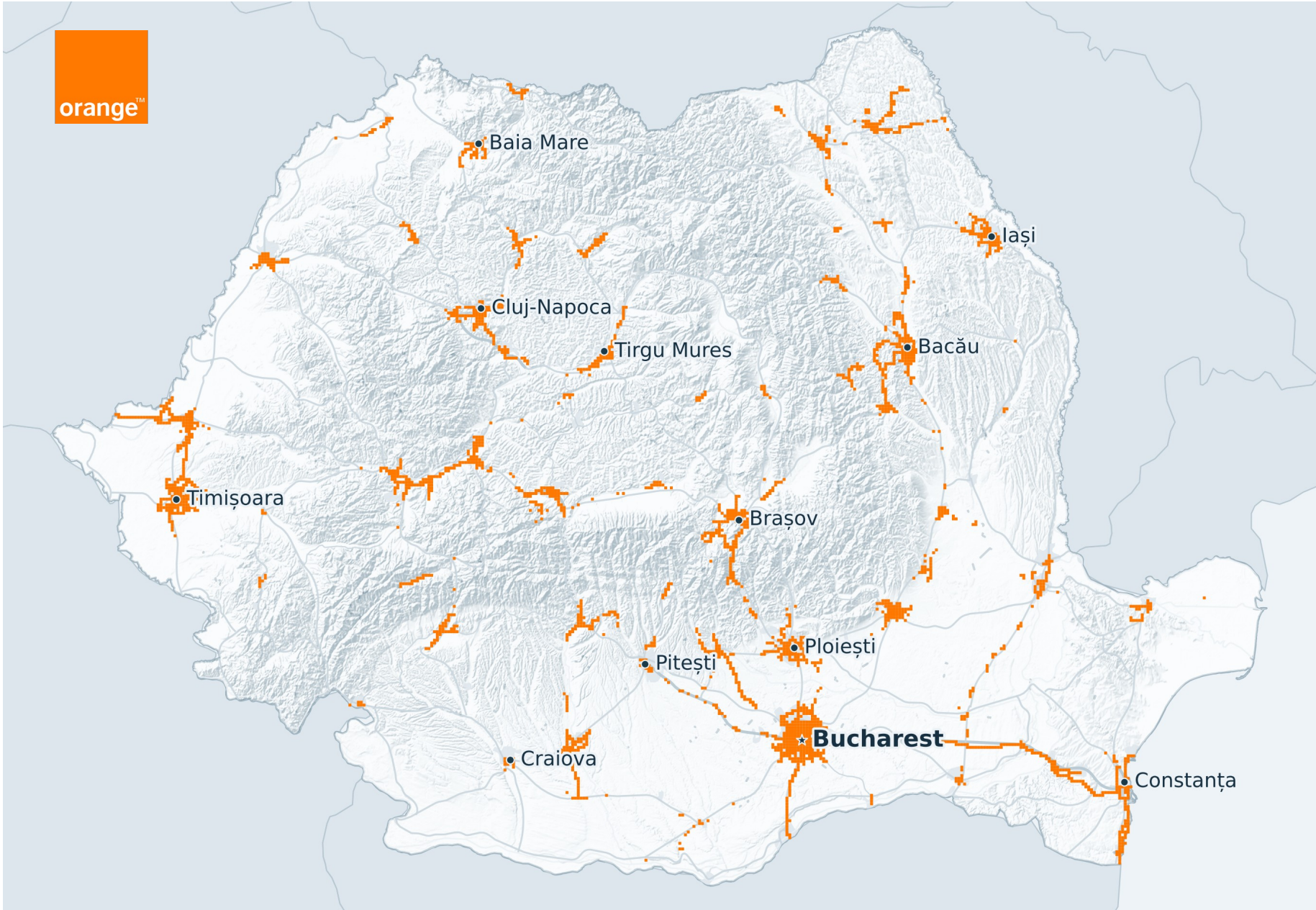


Orange

Geographical Coverage Rate (%) 32.08

Population Coverage Rate (%) 47.42

nPerf Coverage Score (%) 39.75

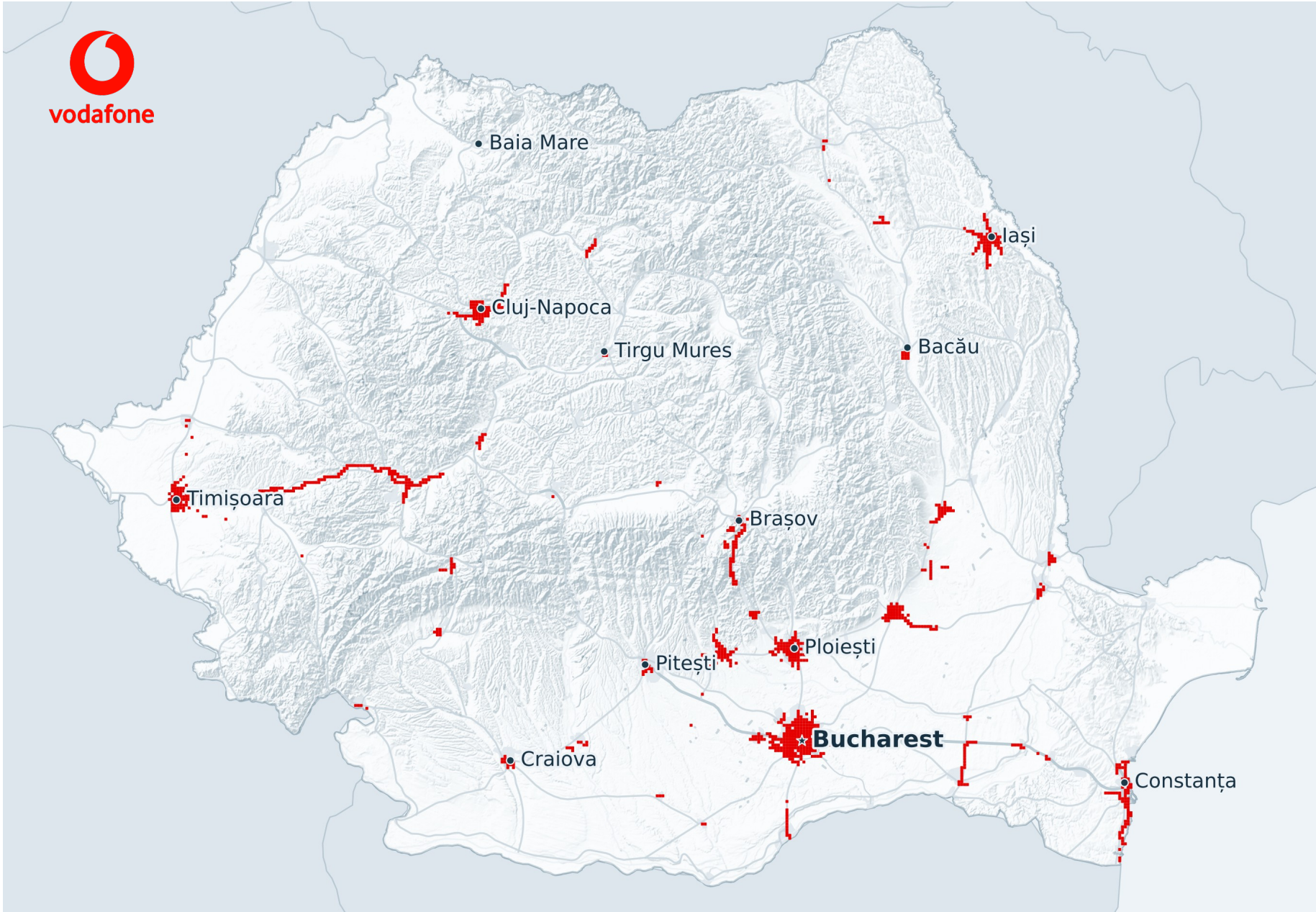


Vodafone

Geographical Coverage Rate (%) 17.70

Population Coverage Rate (%) 31.89

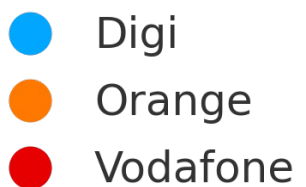
nPerf Coverage Score (%) 24.79



7. Regional 4G coverage: Methodology



Regions	Measurements	Device count	Measurements per operator
Sud-Muntenia	1 295 532	34 043	
București-Ilfov	1 261 724	21 633	
Nord-Est	852 290	15 986	
Nord-Vest	739 854	18 550	
Sud-Est	704 838	18 866	
Centru	566 106	19 995	
Vest	529 871	17 407	
Sud-Vest Oltenia	453 046	15 459	

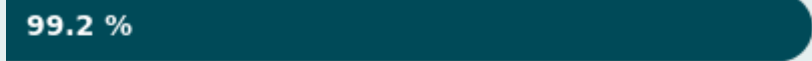


Regional 4G coverage

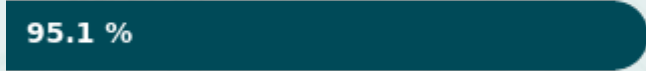


nPerf Coverage Score

București-Ilfov



Centru



Nord-Est



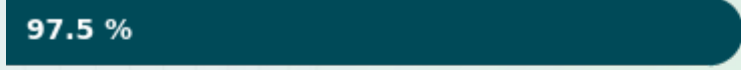
Nord-Vest



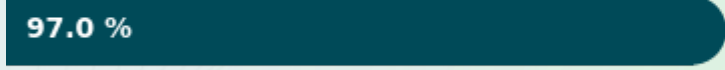
Sud-Est



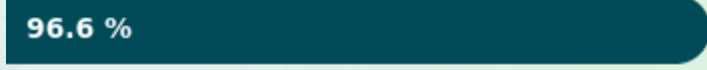
Sud-Muntenia



Sud-Vest Oltenia

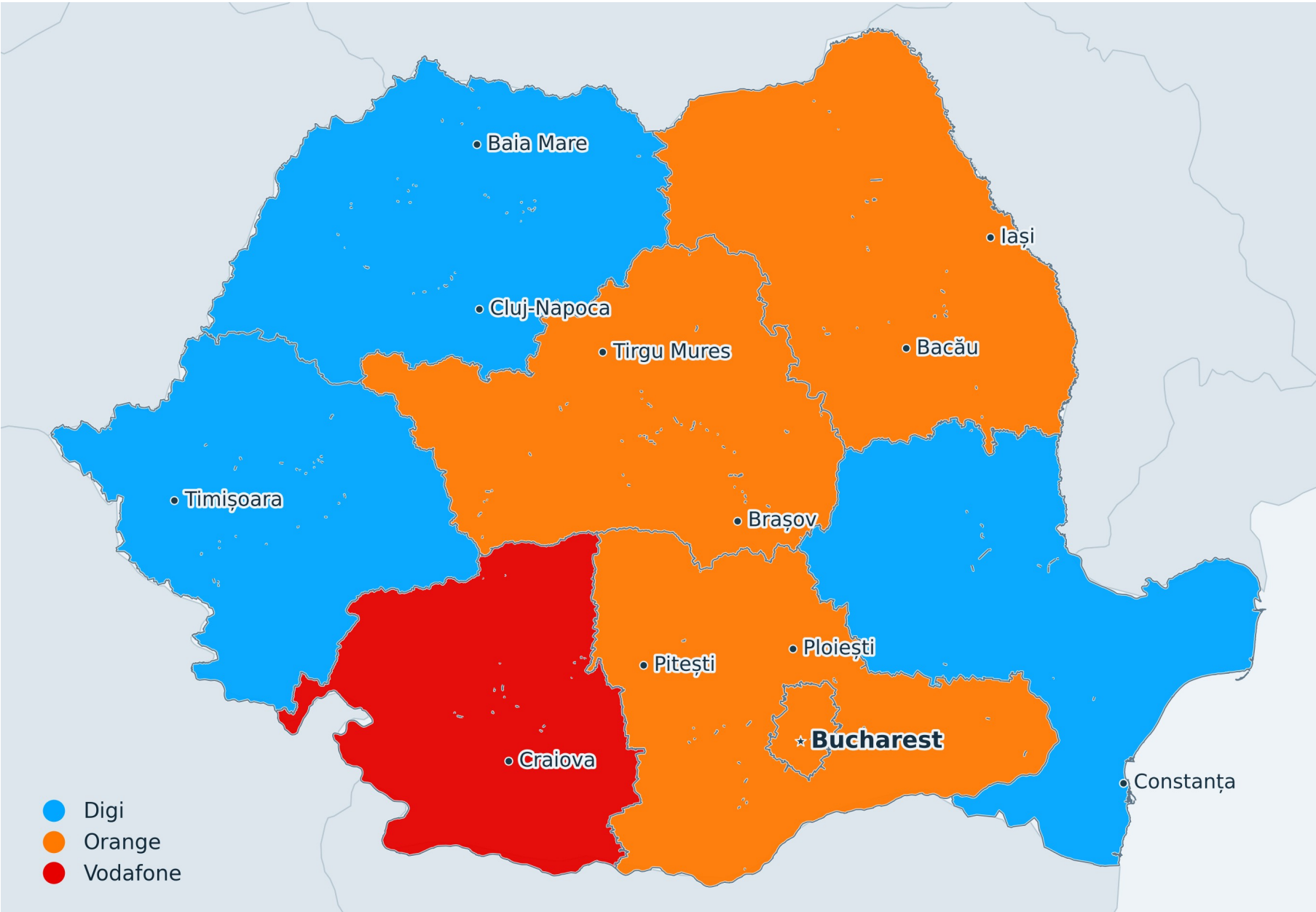


Vest



Source : nPerf.com

Regional Winner



Source : nPerf.com

4G coverage — București-Ilfov



DIGI

Geographical Coverage

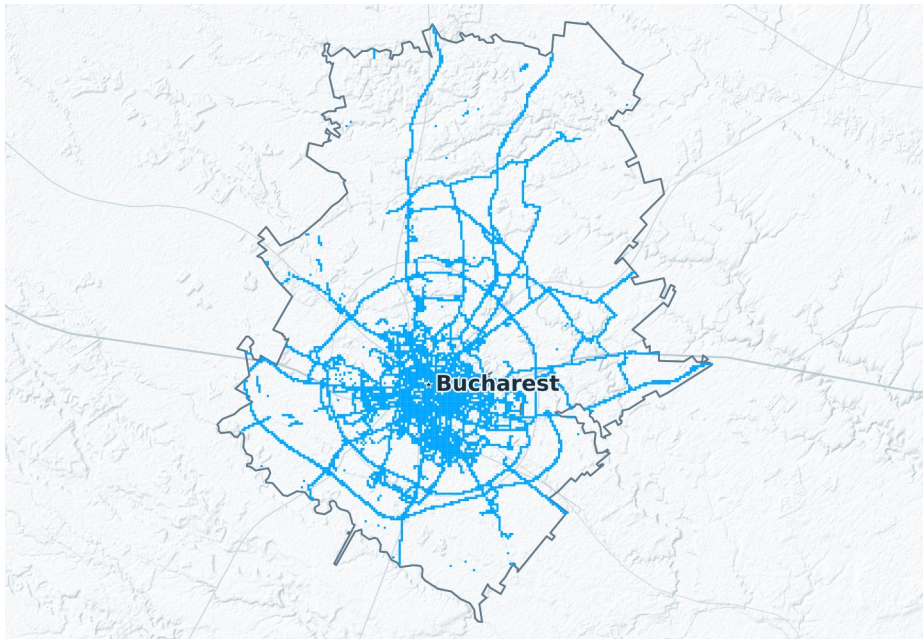
98,29 %

In mobility Pop. Coverage

99,21 %

nPerf Coverage Score

98,75 %



Geographical Coverage

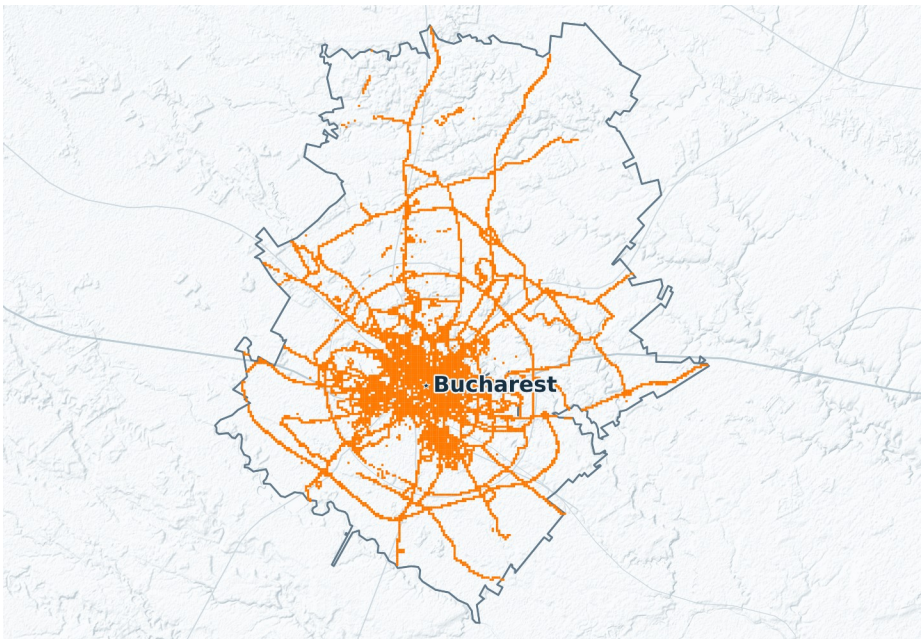
99,45 %

In mobility Pop. Coverage

99,83 %

nPerf Coverage Score

99,64 %



Geographical Coverage

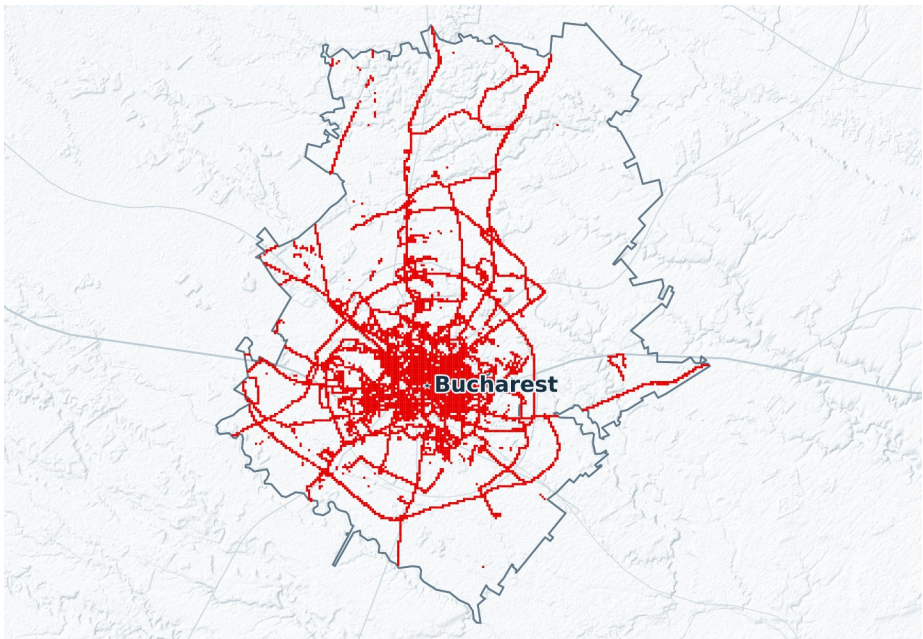
98,74 %

In mobility Pop. Coverage

99,68 %

nPerf Coverage Score

99,21 %



4G coverage — Centru



DIGI

Geographical Coverage

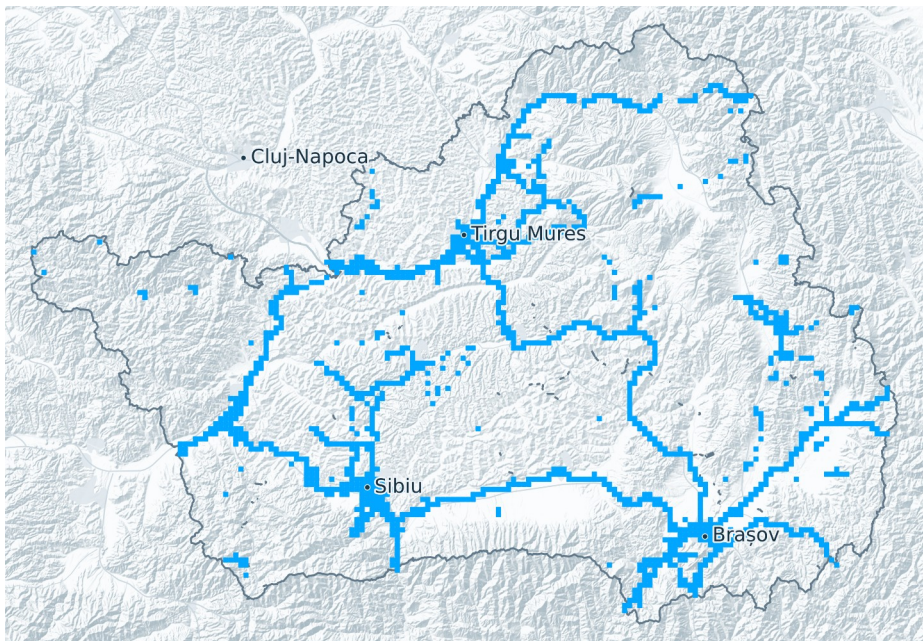
92,10 %

In mobility Pop. Coverage

96,95 %

nPerf Coverage Score

94,52 %



Geographical Coverage

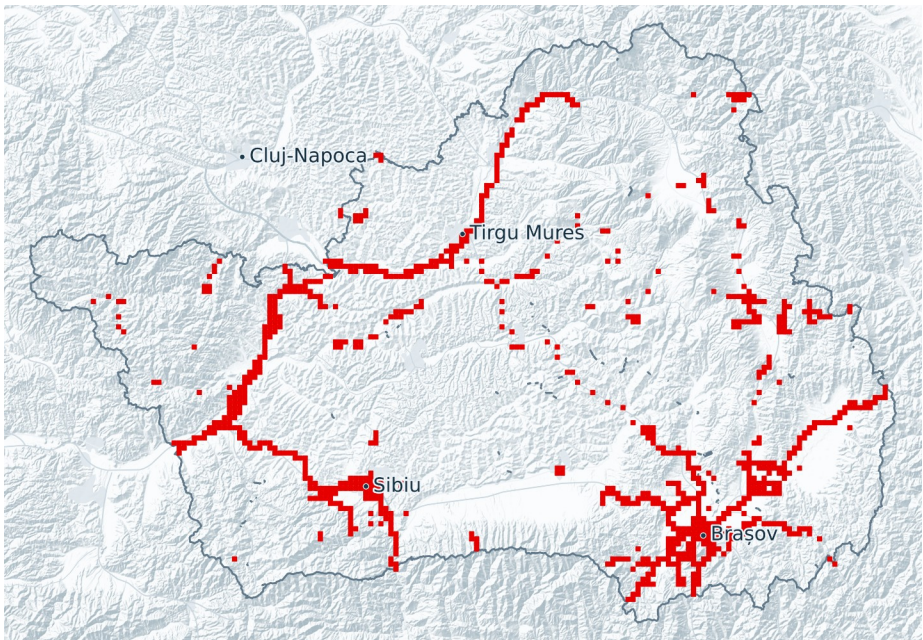
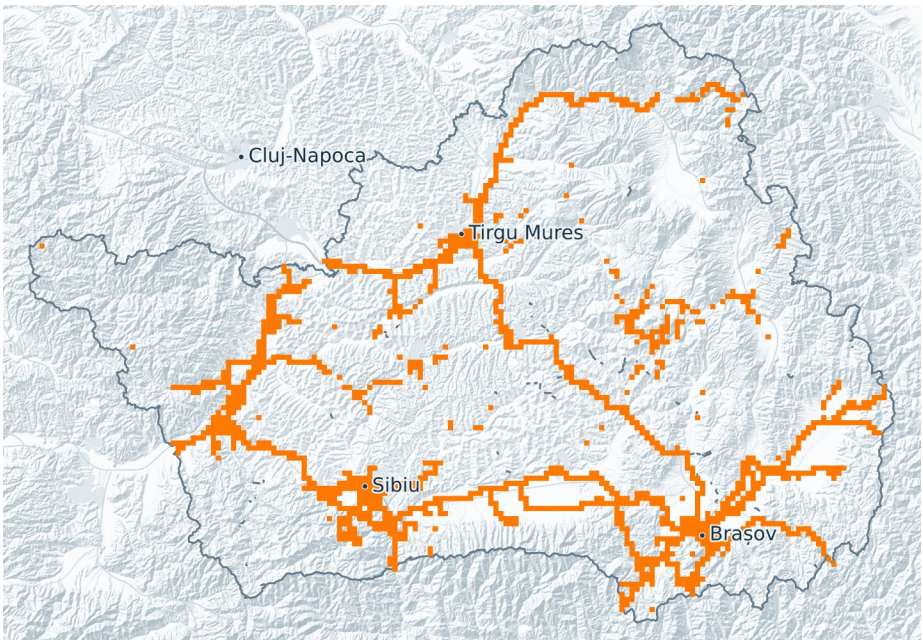
95,77 %

In mobility Pop. Coverage

98,18 %

nPerf Coverage Score

96,97 %



Geographical Coverage

91,53 %

In mobility Pop. Coverage

95,98 %

nPerf Coverage Score

93,75 %

4G coverage — Nord-Est



DIGI

Geographical Coverage

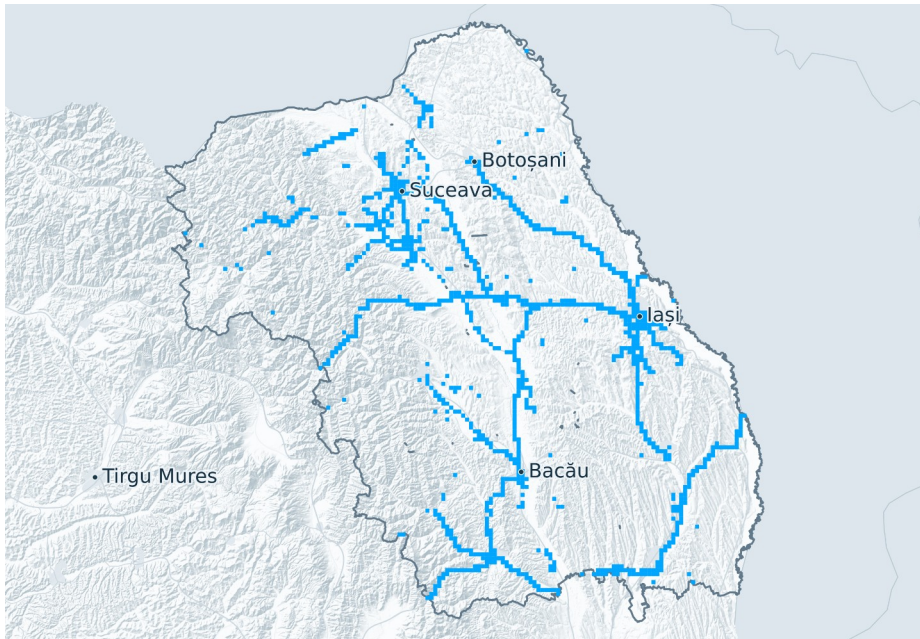
94,51 %

In mobility Pop. Coverage

95,77 %

nPerf Coverage Score

95,14 %



Geographical Coverage

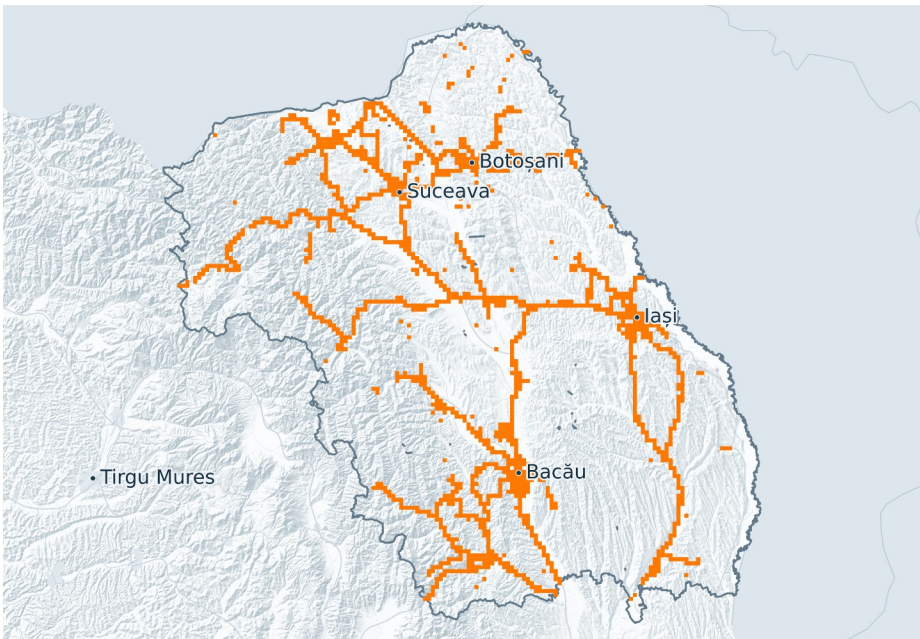
95,71 %

In mobility Pop. Coverage

97,38 %

nPerf Coverage Score

96,55 %



Geographical Coverage

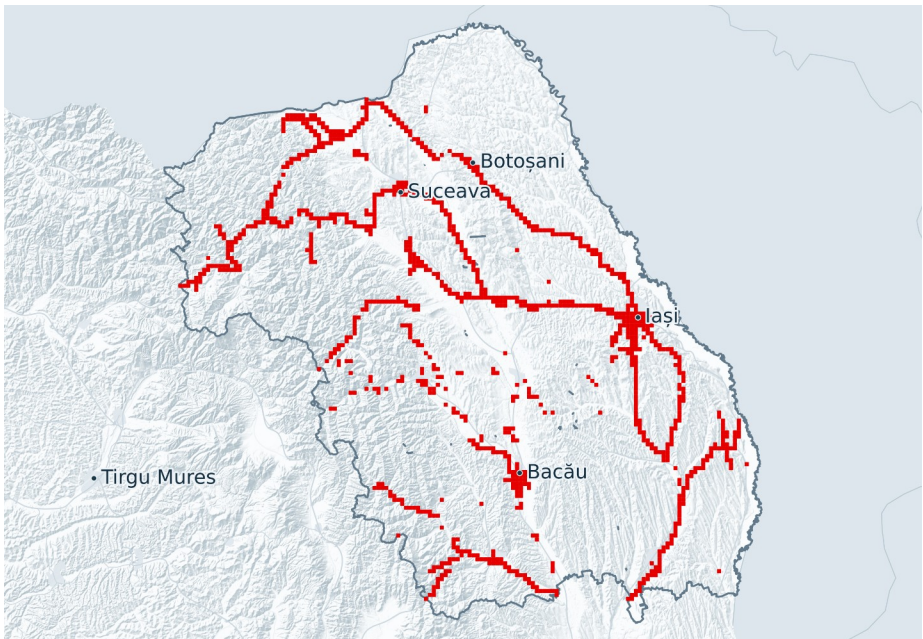
88,85 %

In mobility Pop. Coverage

93,35 %

nPerf Coverage Score

91,10 %



4G coverage — Nord-Vest



DIGI

Geographical Coverage

94,70 %

In mobility Pop. Coverage

97,63 %

nPerf Coverage Score

96,16 %



Geographical Coverage

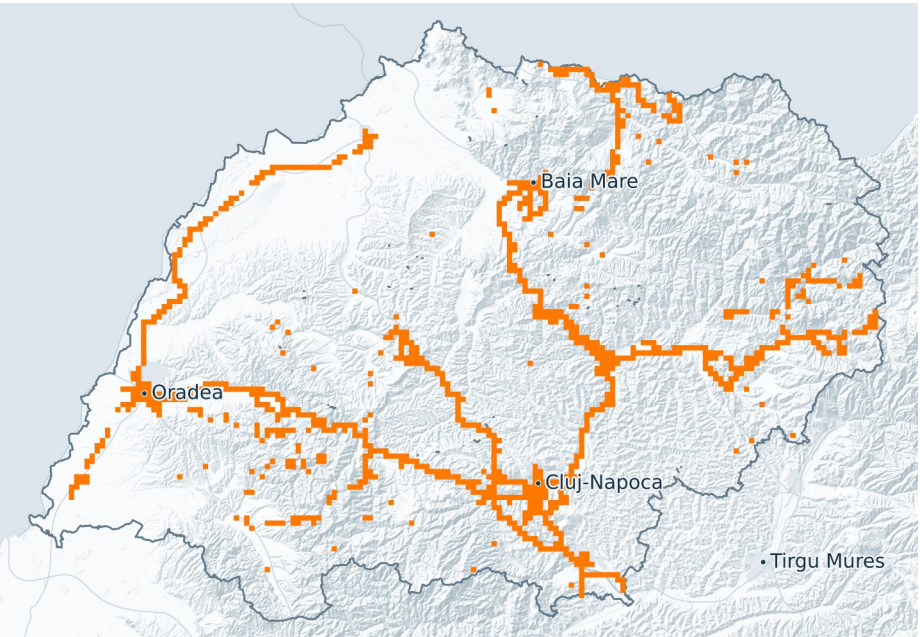
92,18 %

In mobility Pop. Coverage

97,07 %

nPerf Coverage Score

94,63 %



Geographical Coverage

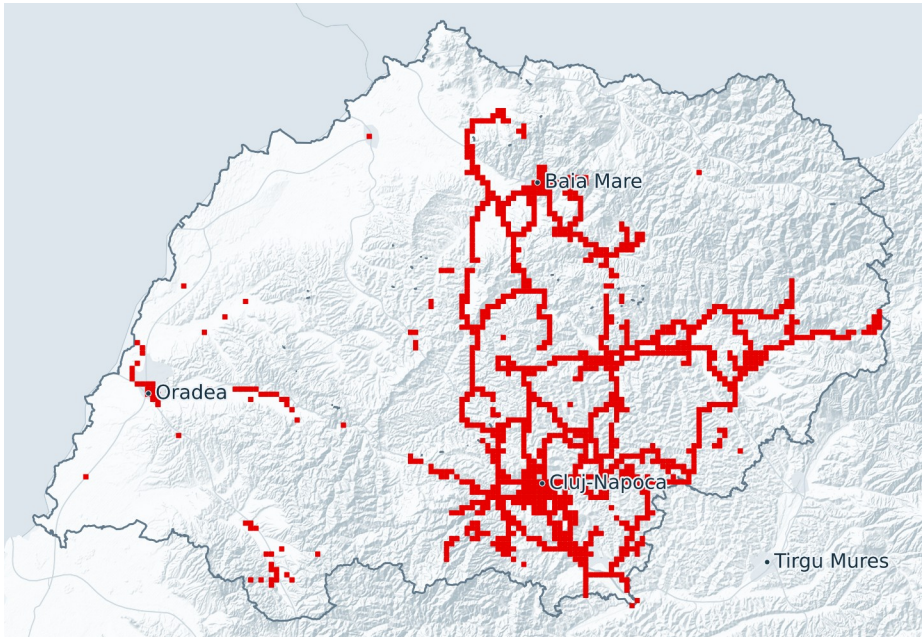
87,82 %

In mobility Pop. Coverage

94,17 %

nPerf Coverage Score

90,99 %



4G coverage — Sud-Est



DIGI

Geographical Coverage

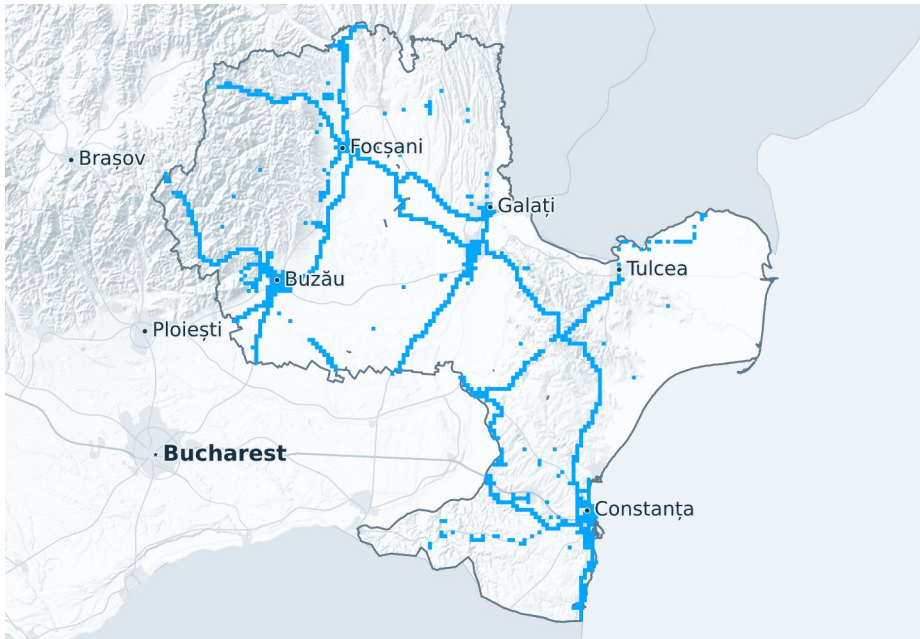
96,32 %

In mobility Pop. Coverage

98,58 %

nPerf Coverage Score

97,45 %



Geographical Coverage

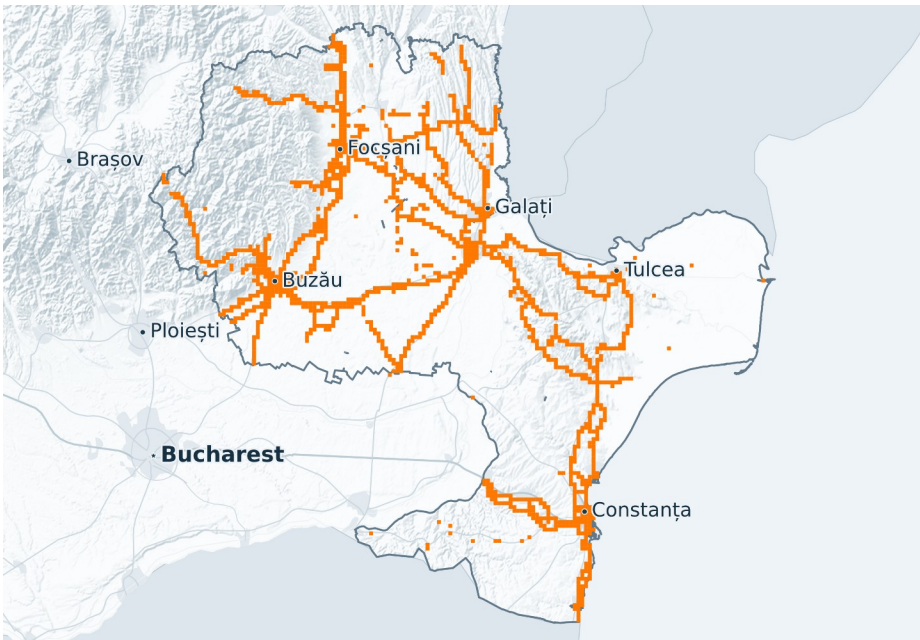
93,61 %

In mobility Pop. Coverage

97,69 %

nPerf Coverage Score

95,65 %



Geographical Coverage

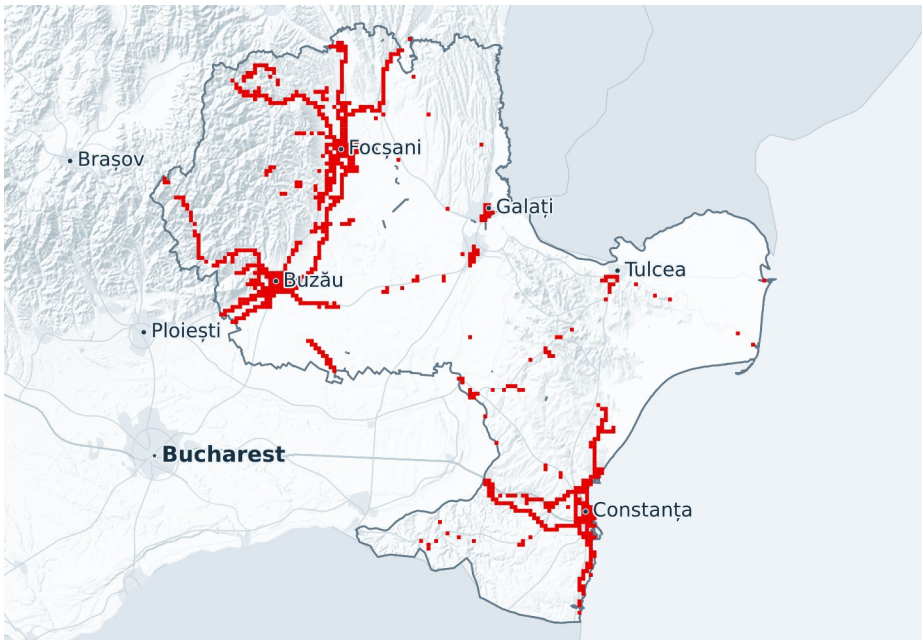
93,25 %

In mobility Pop. Coverage

97,86 %

nPerf Coverage Score

95,56 %



4G coverage — Sud-Muntenia



DIGI

Geographical Coverage

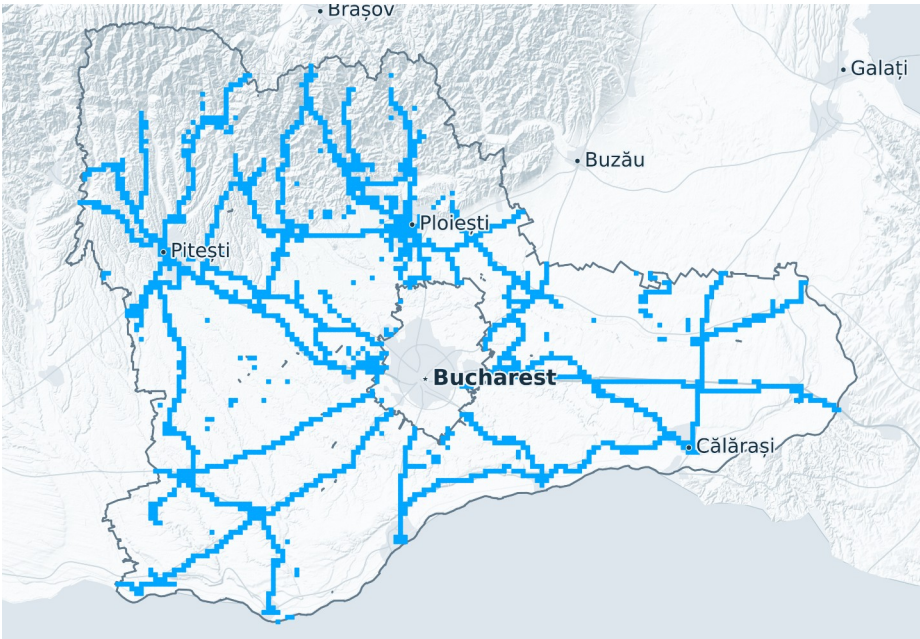
96,07 %

In mobility Pop. Coverage

99,11 %

nPerf Coverage Score

97,59 %



DIGI

2

1



3



Geographical Coverage

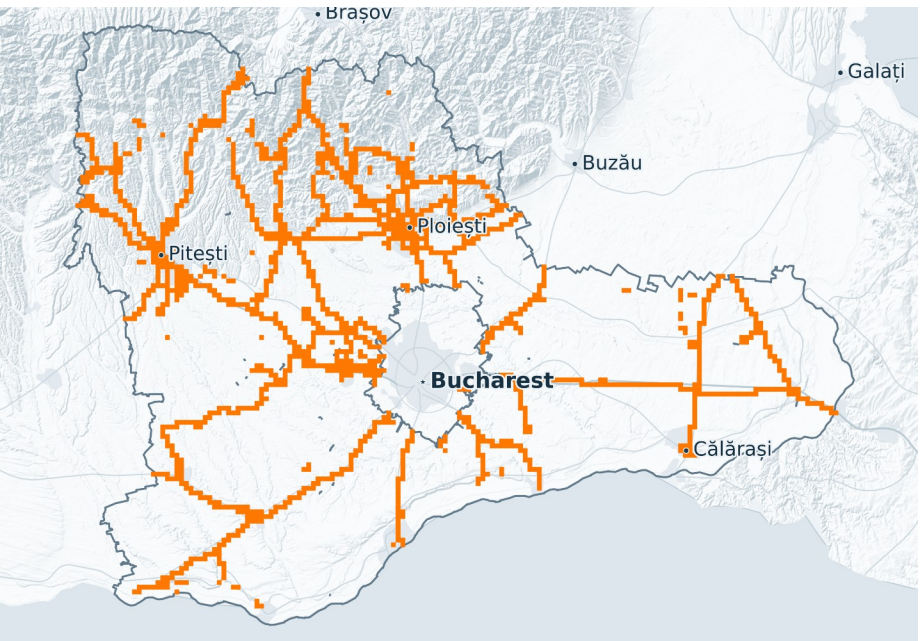
96,86 %

In mobility Pop. Coverage

99,30 %

nPerf Coverage Score

98,08 %



Geographical Coverage

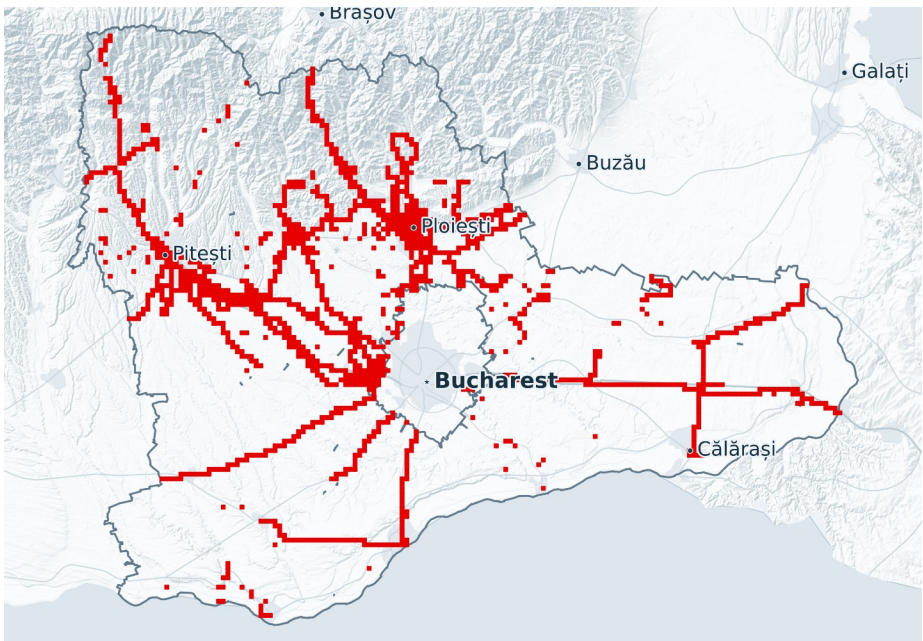
95,03 %

In mobility Pop. Coverage

98,42 %

nPerf Coverage Score

96,72 %



4G coverage — Sud-Vest Oltenia



DIGI

Geographical Coverage

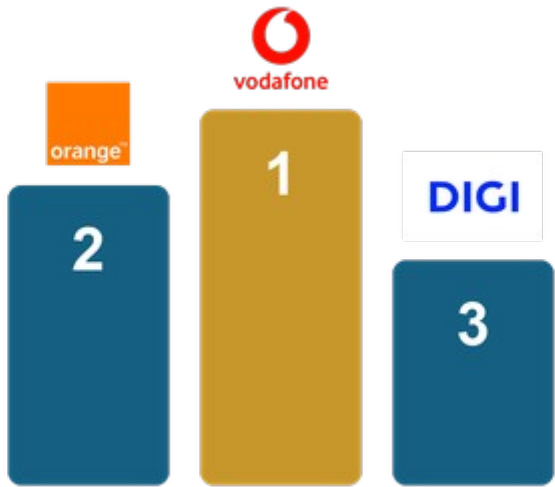
95,81 %

In mobility Pop. Coverage

98,01 %

nPerf Coverage Score

96,91 %



Geographical Coverage

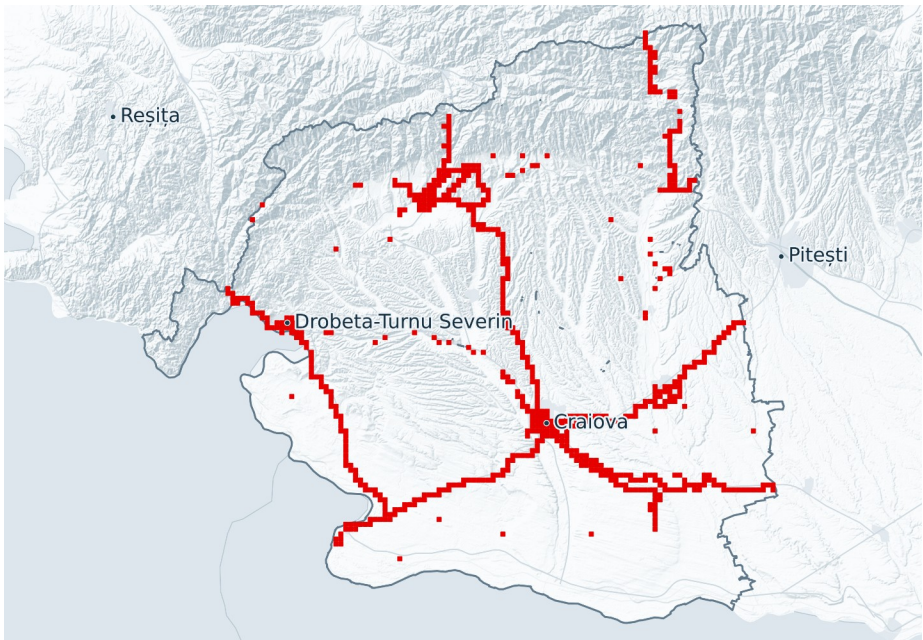
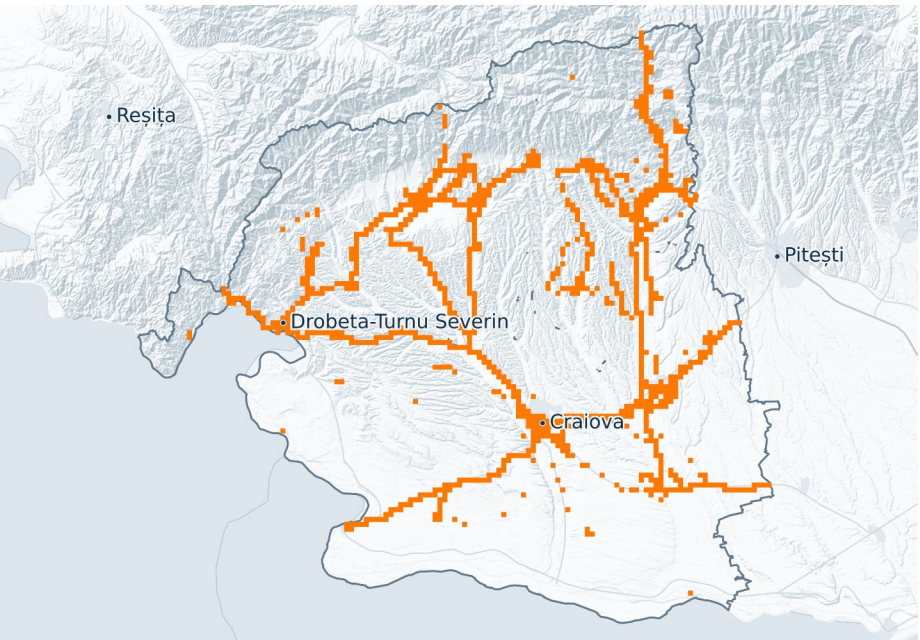
95,73 %

In mobility Pop. Coverage

98,39 %

nPerf Coverage Score

97,06 %



Geographical Coverage

96,22 %

In mobility Pop. Coverage

98,06 %

nPerf Coverage Score

97,14 %

4G coverage — Vest



DIGI

Geographical Coverage

97,51 %

In mobility Pop. Coverage

98,86 %

nPerf Coverage Score

98,19 %



Geographical Coverage

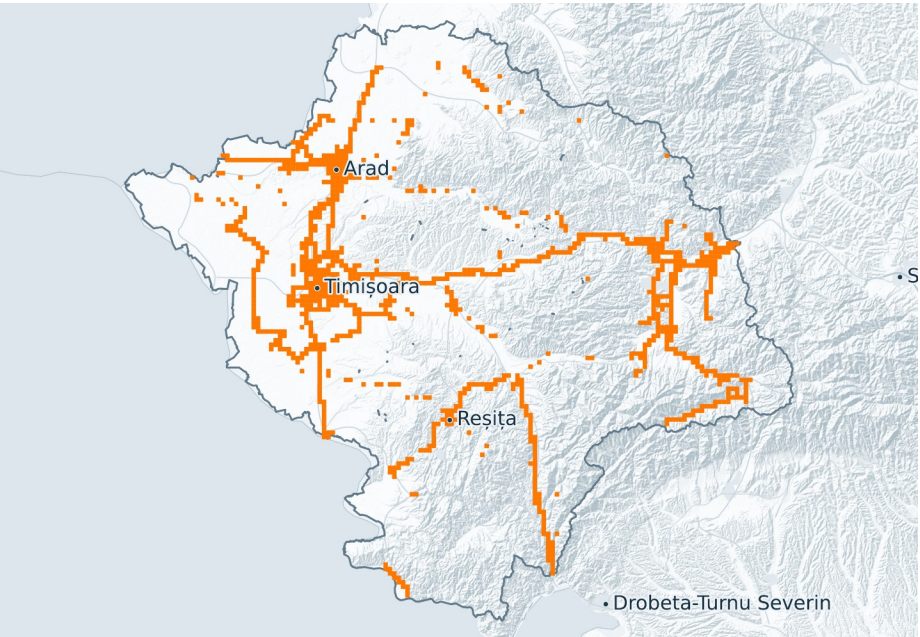
96,23 %

In mobility Pop. Coverage

98,50 %

nPerf Coverage Score

97,36 %



Geographical Coverage

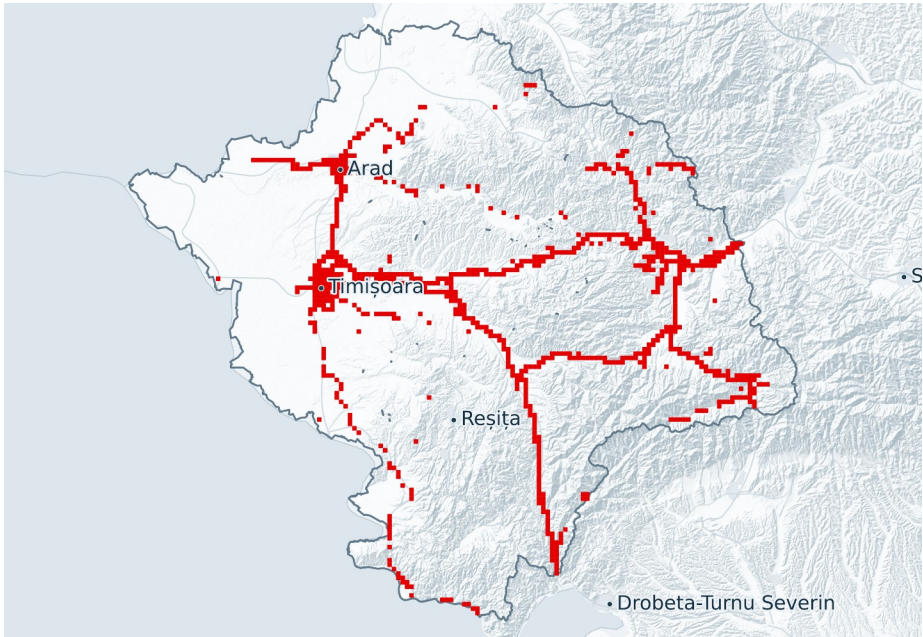
90,77 %

In mobility Pop. Coverage

97,92 %

nPerf Coverage Score

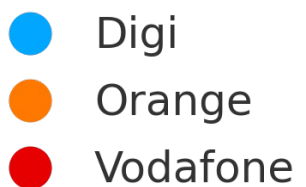
94,35 %



8. Regional 5G coverage: Methodology



Regions	Measurements	Device count	Measurements per operator
București-Ilfov	406 074	13 196	44% 43% 12%
Nord-Est	285 105	4 237	82% 9% 10%
Nord-Vest	156 709	3 506	61% 35%
Sud-Est	143 449	4 057	67% 26% 7%
Vest	109 097	4 474	72% 26%
Sud-Muntenia	76 232	5 817	43% 37% 19%
Centru	45 954	2 920	82% 14%
Sud-Vest Oltenia	19 221	1 465	73% 10% 17%



Regional 5G coverage



nPerf Coverage Score

București-Ilfov

72.1 %

Centru

18.9 %

Nord-Est

25.3 %

Nord-Vest

23.9 %

Sud-Est

26.5 %

Sud-Muntenia

21.8 %

Sud-Vest Oltenia

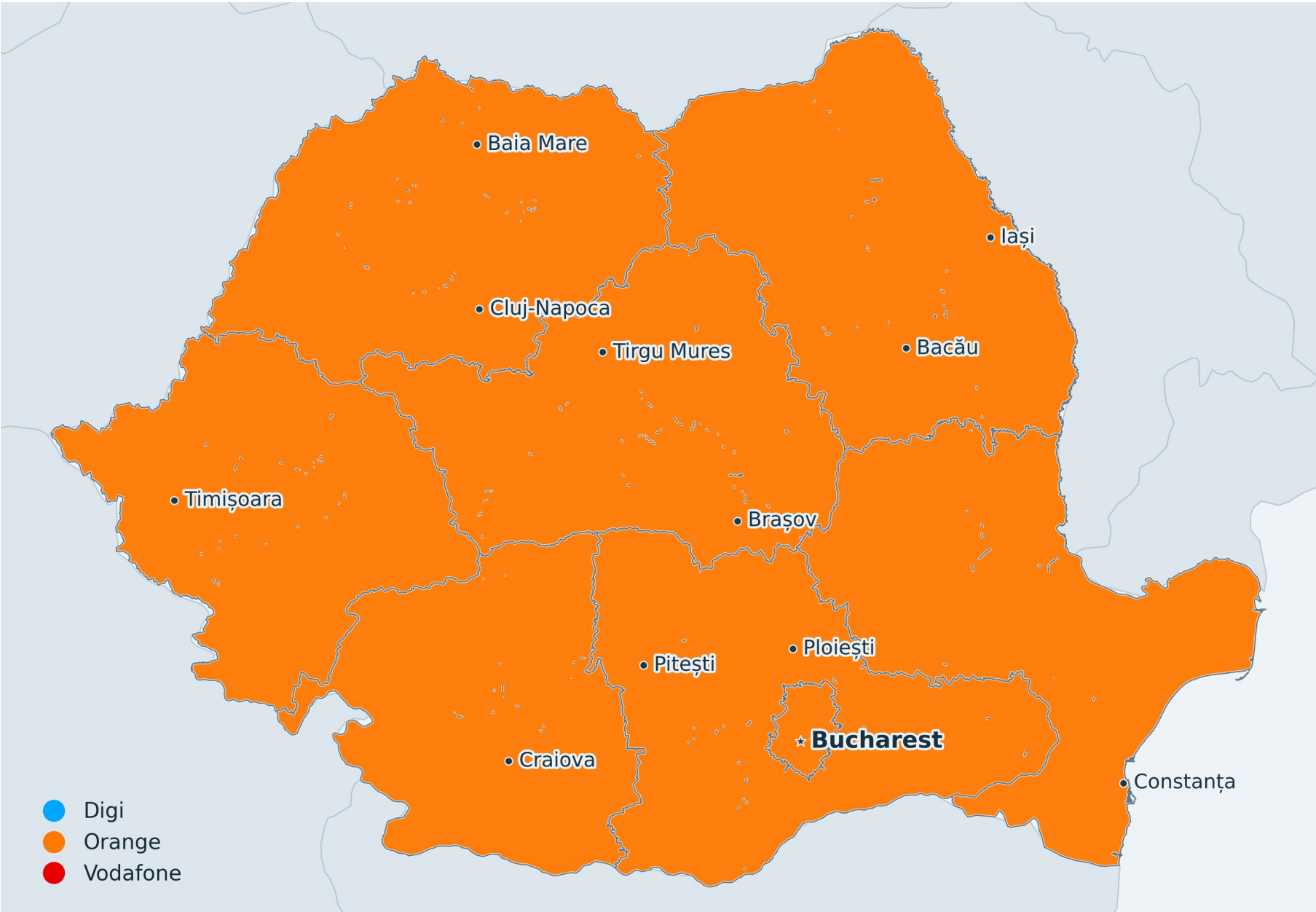
16.3 %

Vest

28.9 %

Source : nPerf.com

Regional Winner



Source : nPerf.com

5G coverage — București-Ilfov



DIGI

Geographical Coverage

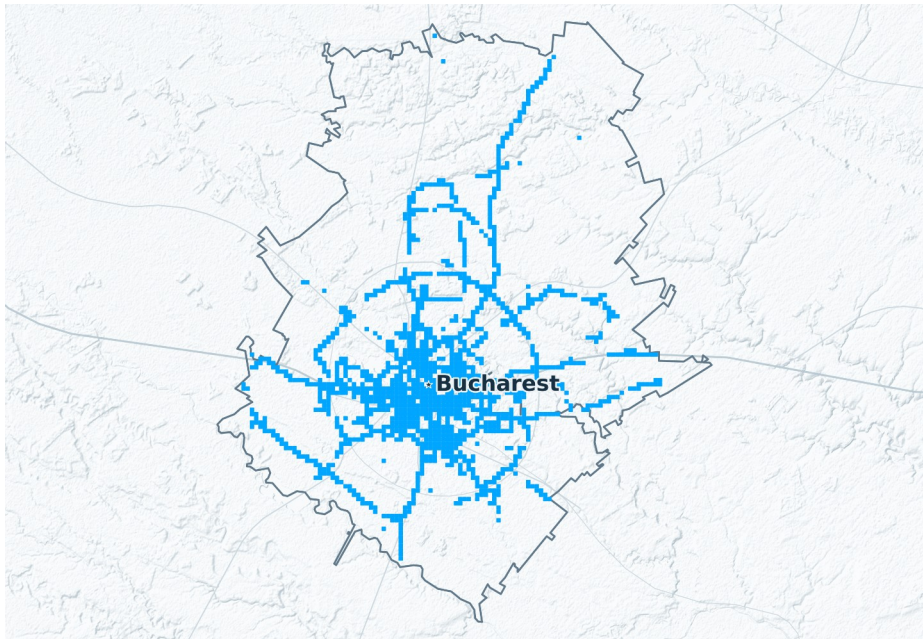
64,62 %

In mobility Pop. Coverage

77,31 %

nPerf Coverage Score

70,96 %



Geographical Coverage

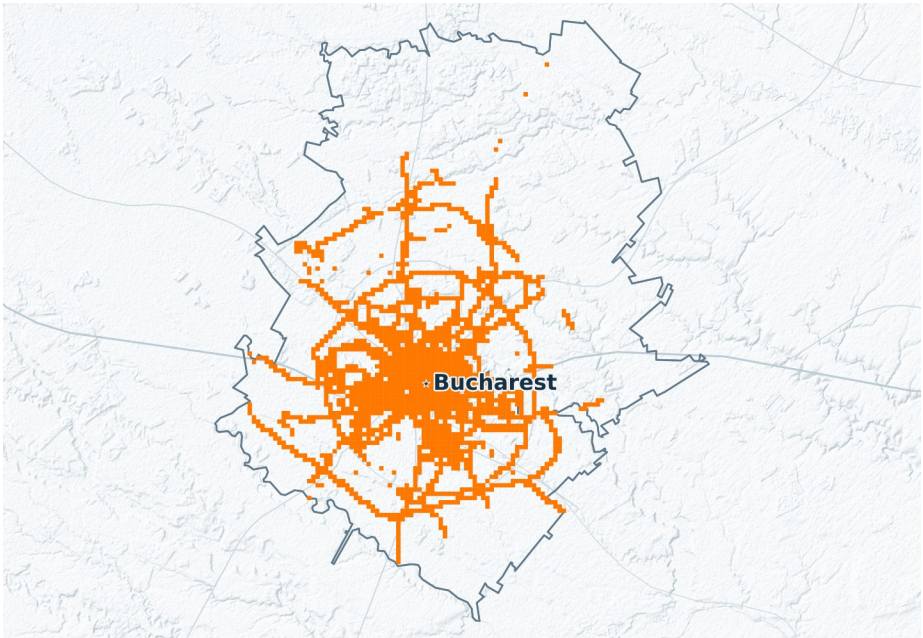
74,34 %

In mobility Pop. Coverage

84,46 %

nPerf Coverage Score

79,40 %



Geographical Coverage

58,90 %

In mobility Pop. Coverage

72,72 %

nPerf Coverage Score

65,81 %

