

September 2026



Barometer of mobile coverage in The Netherlands

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.

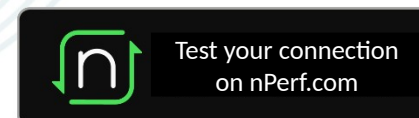
 **26Md+** coverage scans in total.

 **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 KPN enjoyed the best 4G coverage in 2026 in The Netherlands.

Mobile coverage rate in The Netherlands			
	<u>KPN</u>	Odido	Vodafone
Geographical Coverage Rate	196.82	194.54	193.48
Population Coverage Rate	198.88	198.10	197.54
nPerf Coverage Score	197.84	196.32	195.52

Source : nPerf.com



Best Mobile coverage in The Netherlands



Source : nPerf.com

nPerf Podium

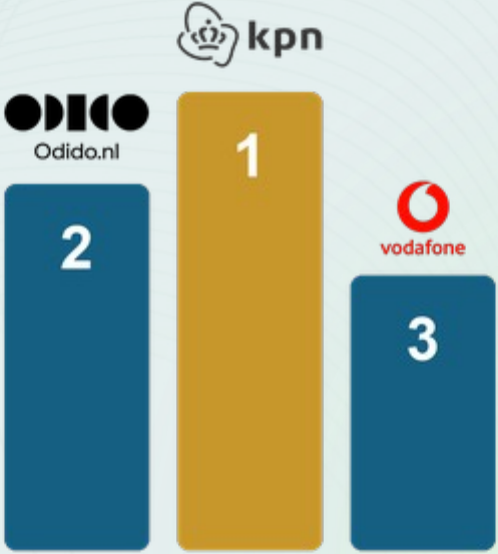


Source : nPerf.com

4. National 4G coverage maps

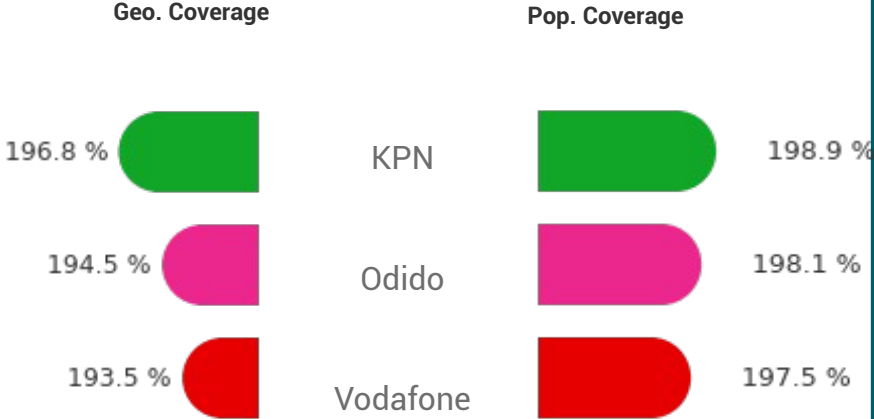


nPerf Coverage Score



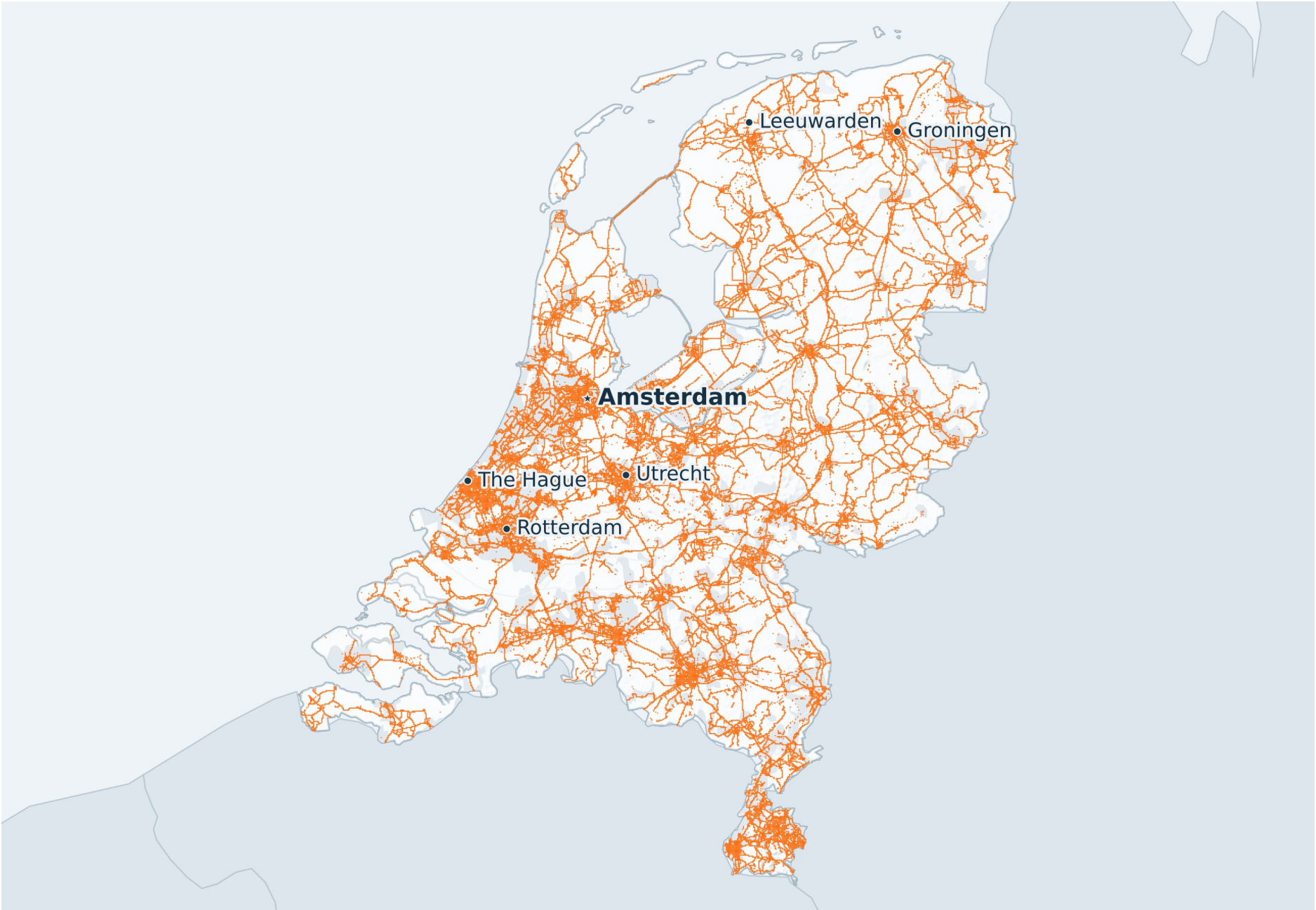
Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage



National 4G coverage maps for KPN

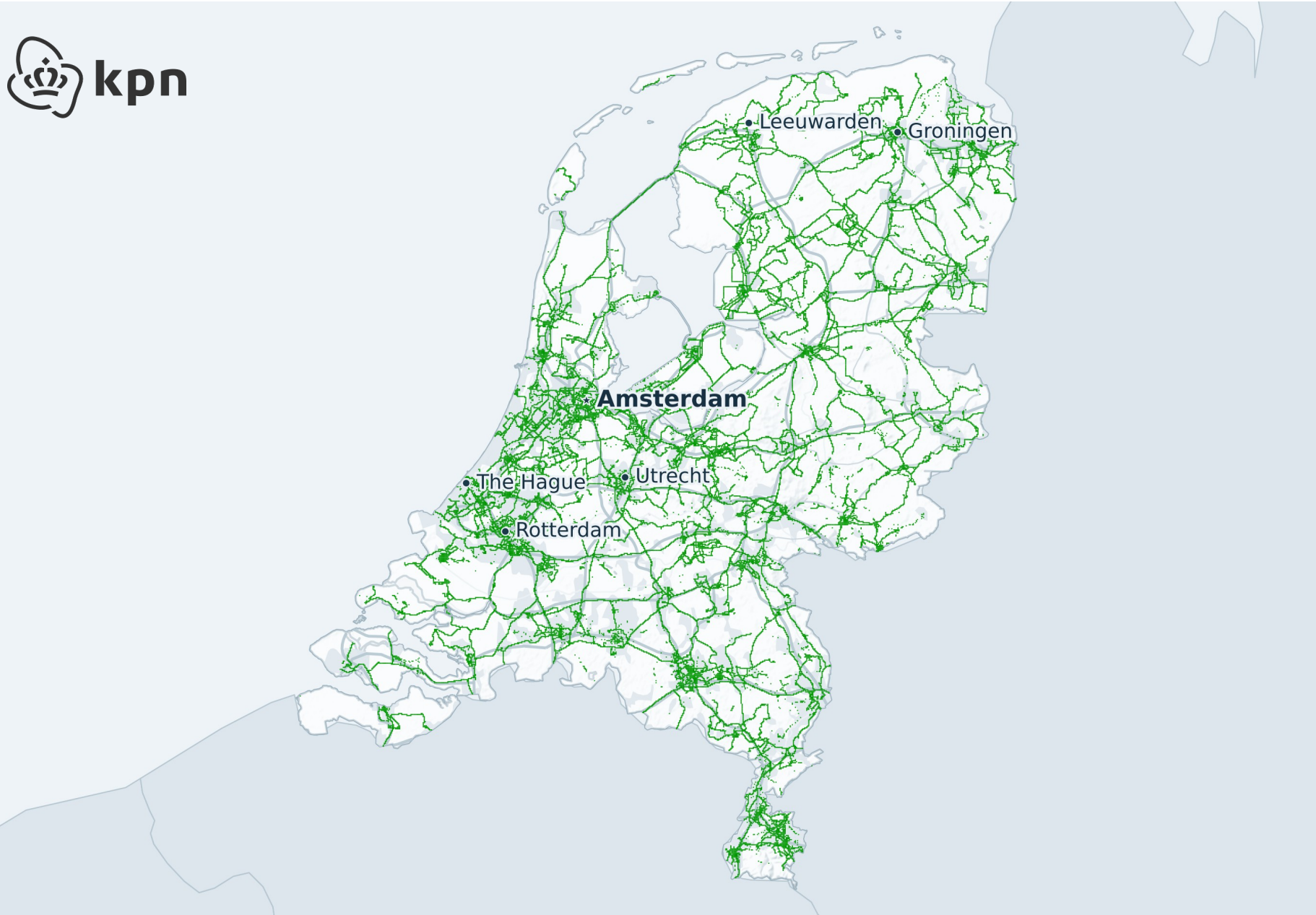


KPN

Geographical Coverage Rate (%) **196.82**

Population Coverage Rate (%) **198.88**

nPerf Coverage Score (%) **197.84**



Odido

Geographical Coverage Rate (%) 194.54

Population Coverage Rate (%) 198.10

nPerf Coverage Score (%) 196.32



National 4G coverage maps for Vodafone



Vodafone

Geographical Coverage Rate (%) 193.48

Population Coverage Rate (%) 197.54

nPerf Coverage Score (%) 195.52



5. Executive Summary 5G



The subscribers of KPN enjoyed the best 5G coverage in 2026 in The Netherlands.

Mobile coverage rate in The Netherlands			
	KPN	Odido	Vodafone
Geographical Coverage Rate	178.32	162.52	153.06
Population Coverage Rate	189.48	184.26	177.98
nPerf Coverage Score	183.90	173.40	165.52

Source : nPerf.com



Best Mobile coverage in The Netherlands



Source : nPerf.com

nPerf Podium

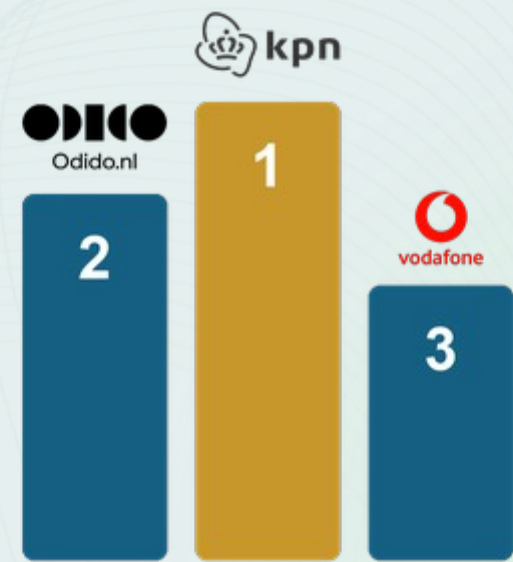


Source : nPerf.com

6. National 5G coverage maps

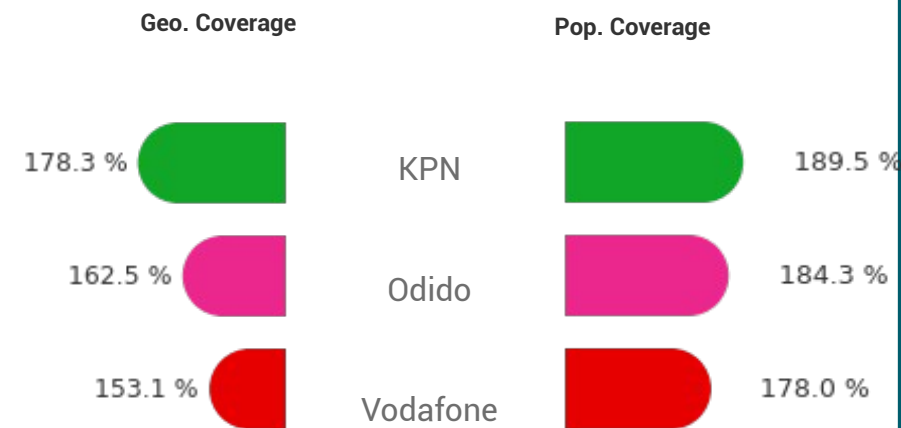


nPerf Coverage Score



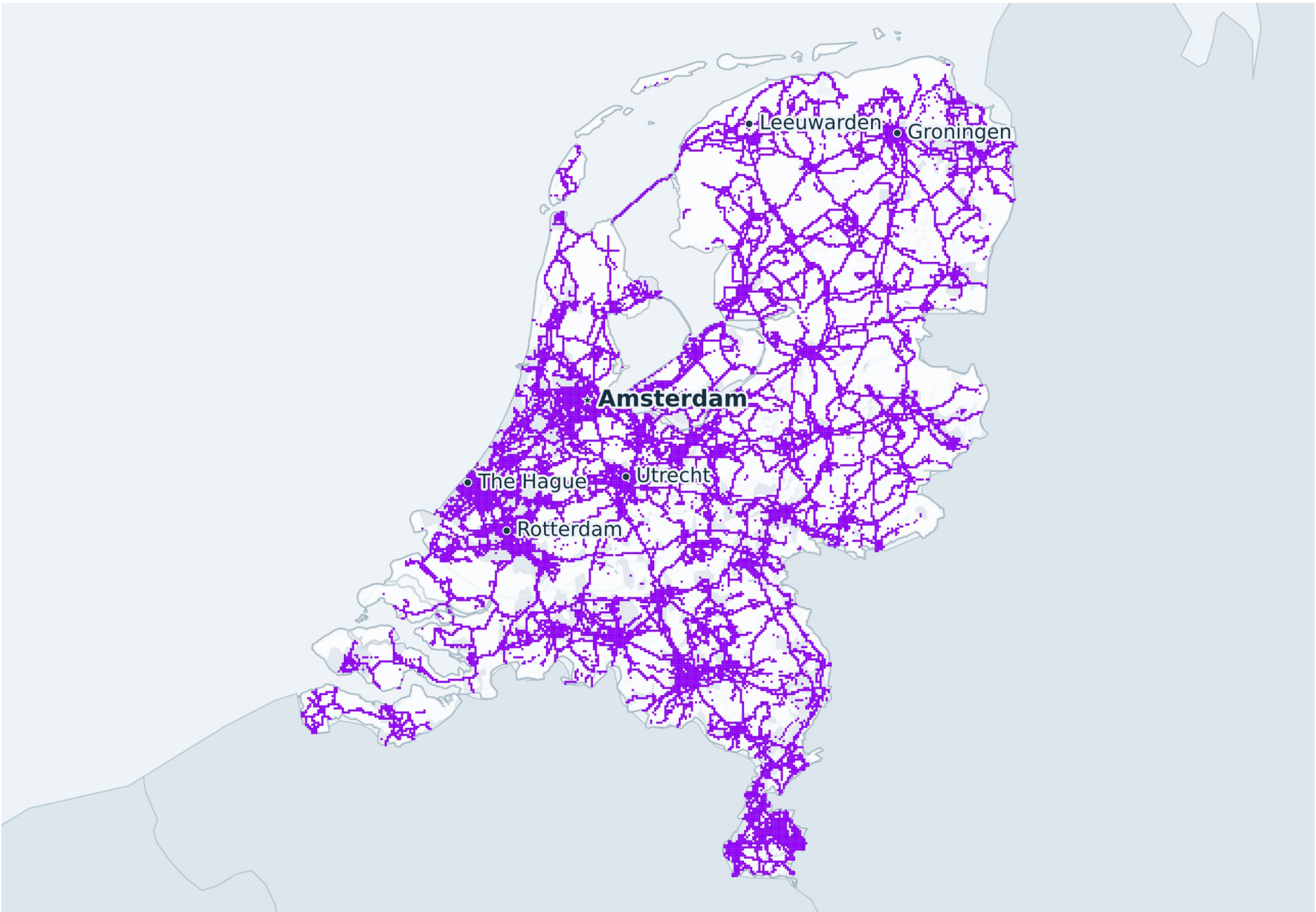
Source : nPerf.com

Coverage Indicators



Source : nPerf.com

National Coverage

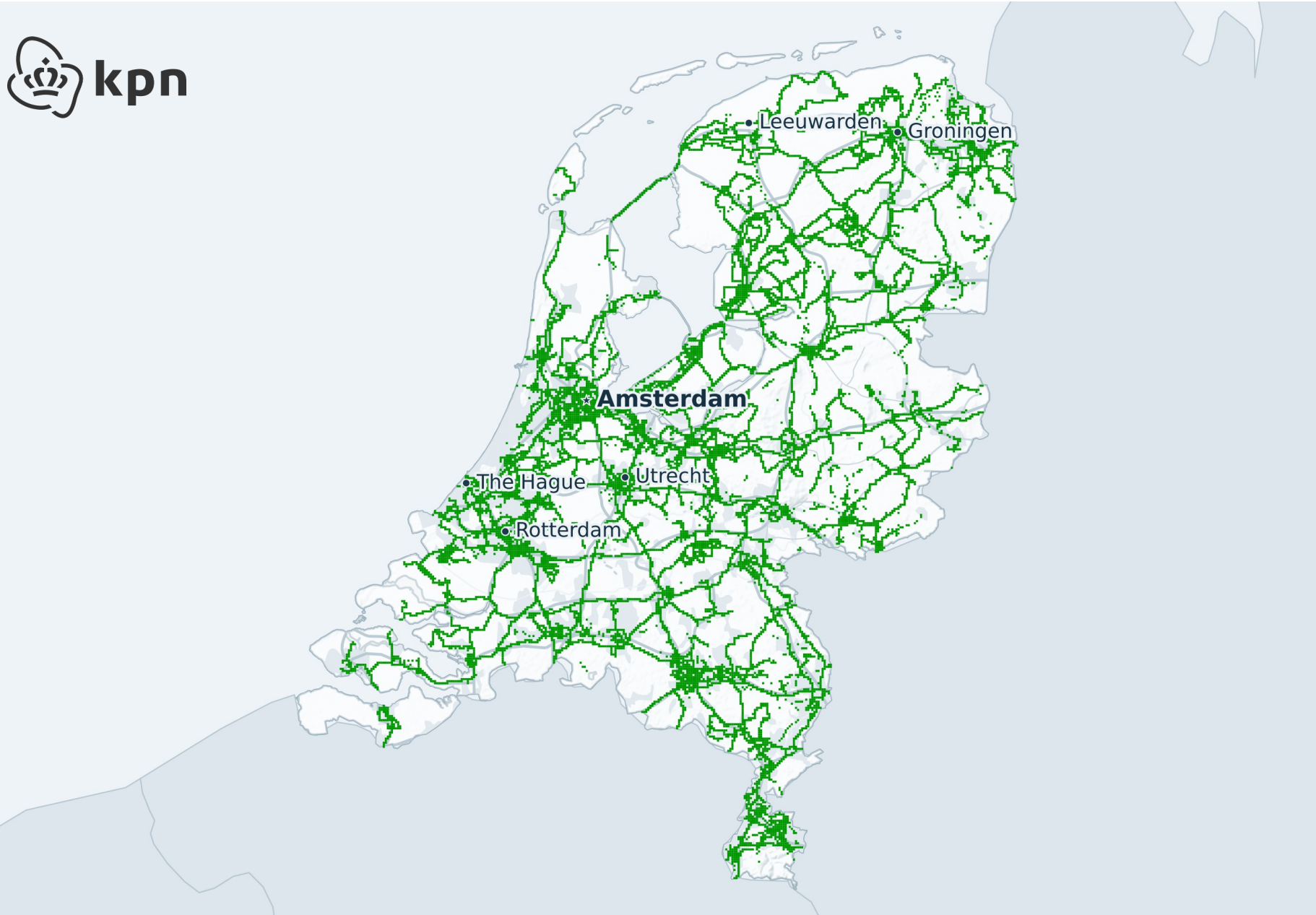


KPN

Geographical Coverage Rate (%) 178.32

Population Coverage Rate (%) 189.48

nPerf Coverage Score (%) 183.90



Odido

Geographical Coverage Rate (%) 162.52

Population Coverage Rate (%) 184.26

nPerf Coverage Score (%) 173.40



Vodafone

Geographical Coverage Rate (%) 153.06

Population Coverage Rate (%) 177.98

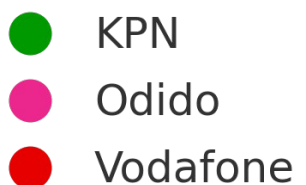
nPerf Coverage Score (%) 165.52



7. Regional 4G coverage: Methodology



Regions	Measurements	Device count	Measurements per operator
Noord-Brabant	1 917 932	46 516	40% 25% 35%
Limburg	1 493 598	24 602	70% 12% 17%
Noord-Holland	1 445 566	31 682	34% 44% 22%
Gelderland	1 387 396	38 130	25% 48% 27%
Utrecht	1 044 096	27 256	34% 36% 30%
Overijssel	520 538	14 864	21% 42% 37%
Flevoland	520 462	13 290	29% 56% 15%
Groningen	347 746	9 230	31% 57% 12%
Drenthe	312 320	9 322	13% 61% 26%
Friesland	285 364	10 712	51% 45%
Zeeland	187 650	5 254	41% 24% 35%



Regional 4G coverage

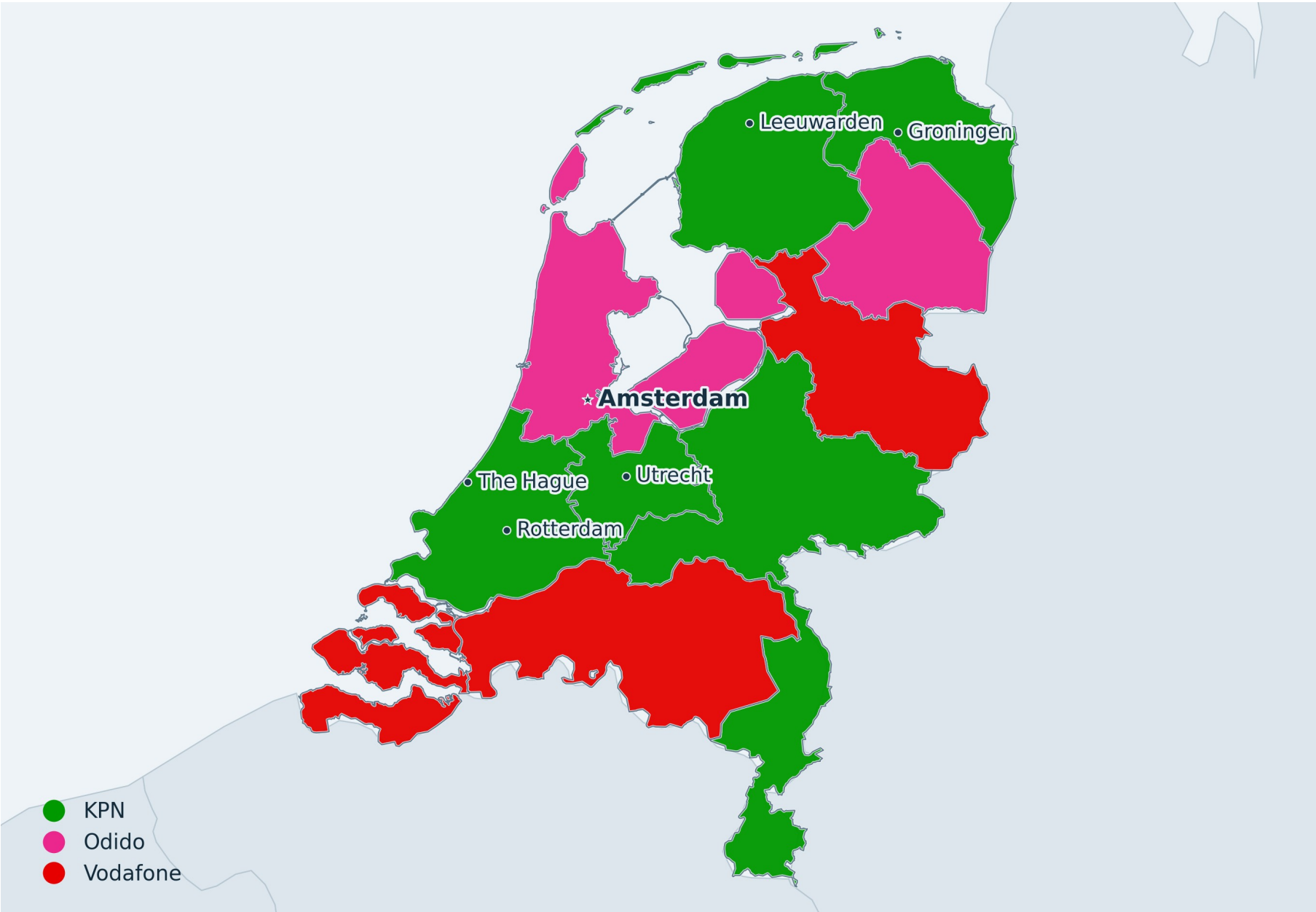


nPerf Coverage Score



Source : nPerf.com

Regional Winner



Source : nPerf.com

4G coverage — Drenthe





Geographical Coverage

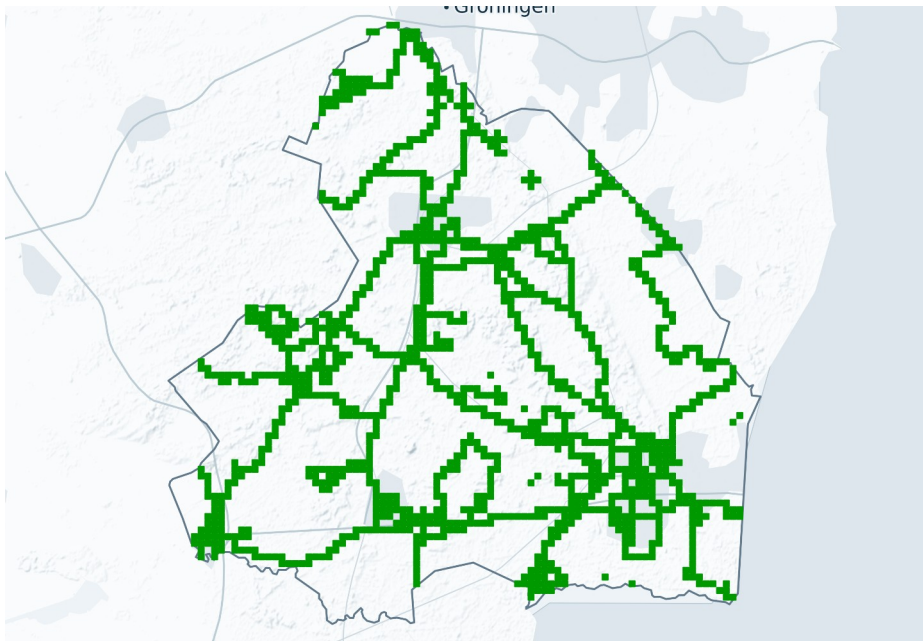
98,13 %

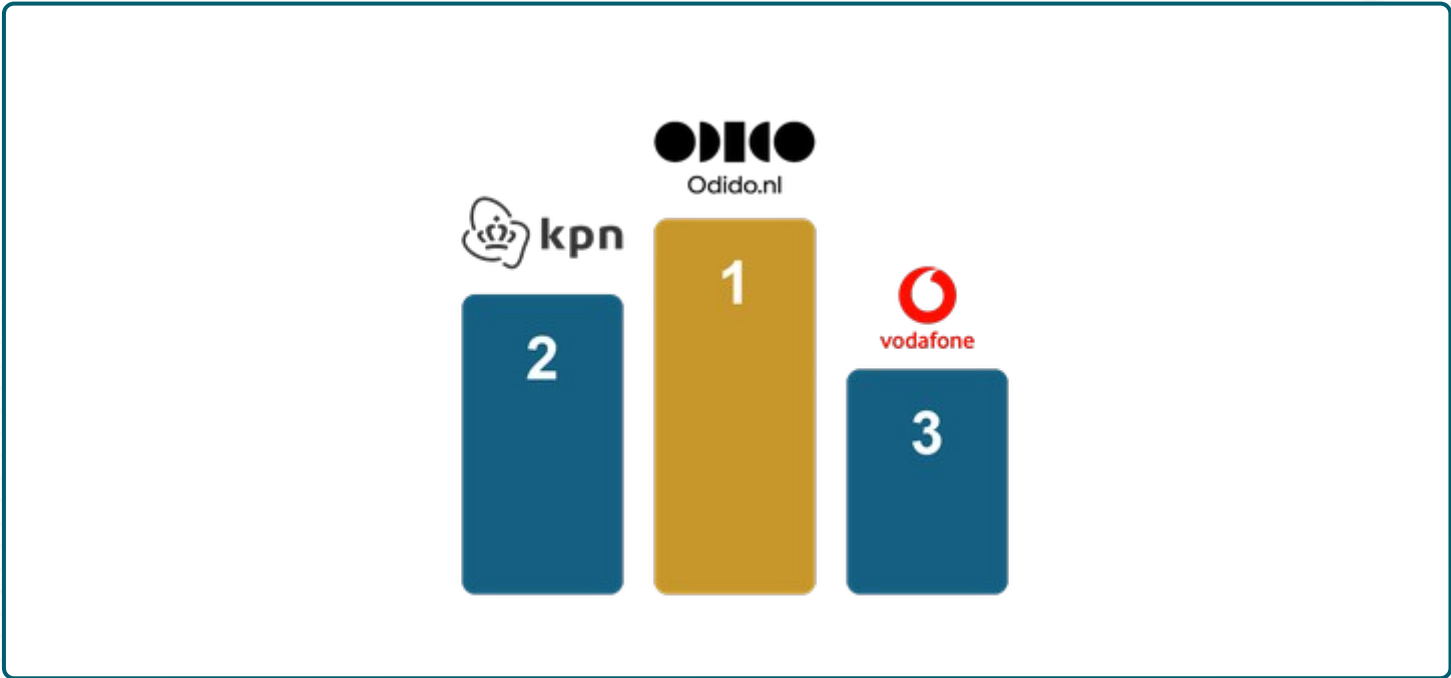
In mobility Pop. Coverage

98,07 %

nPerf Coverage Score

98,10 %







Geographical Coverage

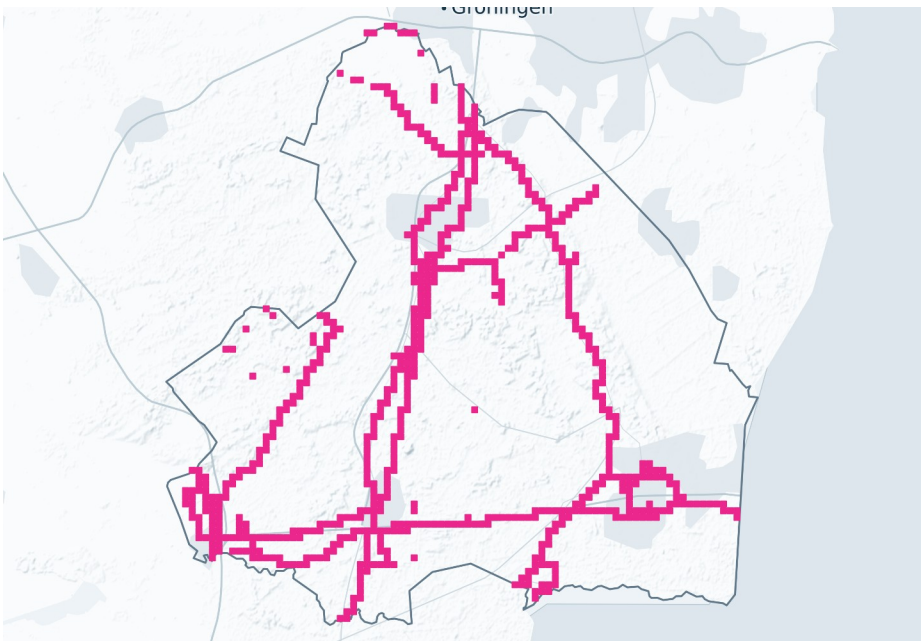
98,26 %

In mobility Pop. Coverage

99,40 %

nPerf Coverage Score

98,83 %





Geographical Coverage

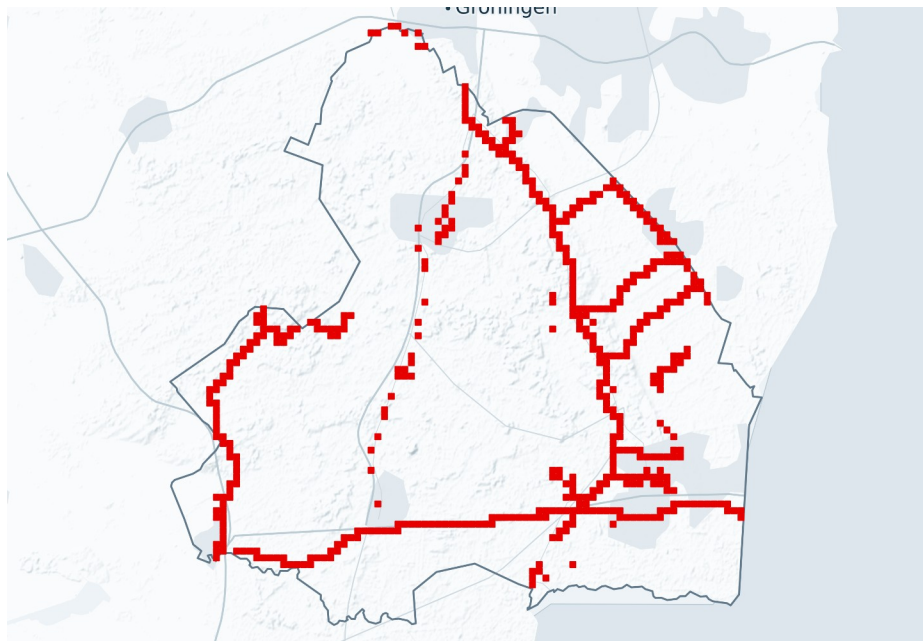
85,75 %

In mobility Pop. Coverage

91,59 %

nPerf Coverage Score

88,67 %



4G coverage — Flevoland





Geographical Coverage

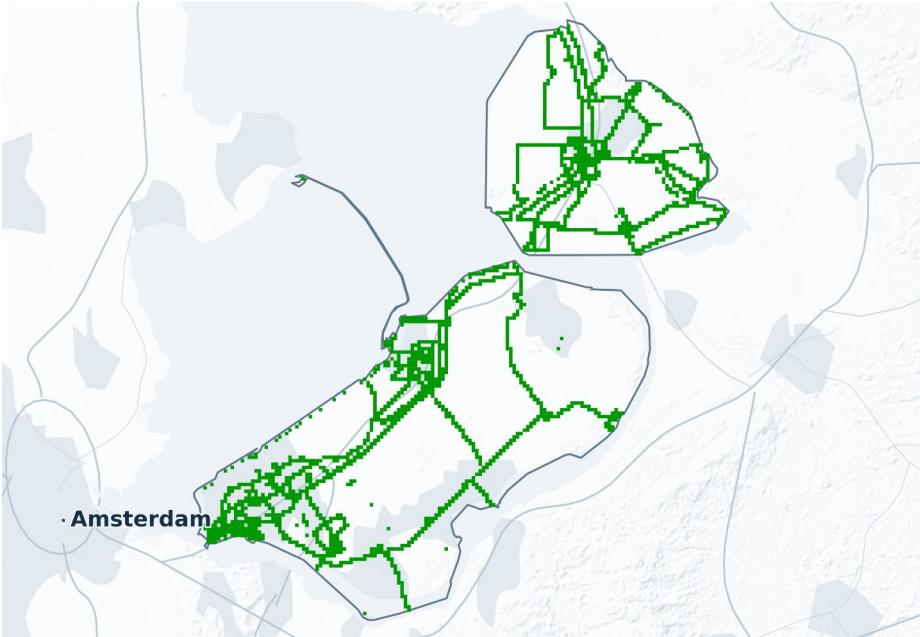
97,37 %

In mobility Pop. Coverage

99,14 %

nPerf Coverage Score

98,26 %







Geographical Coverage

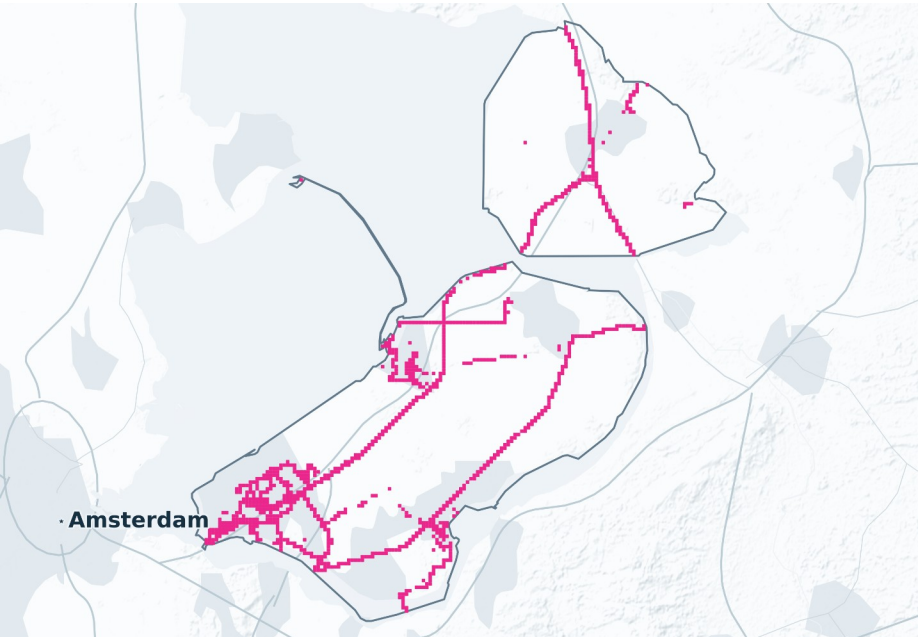
99,50 %

In mobility Pop. Coverage

99,73 %

nPerf Coverage Score

99,62 %





Geographical Coverage

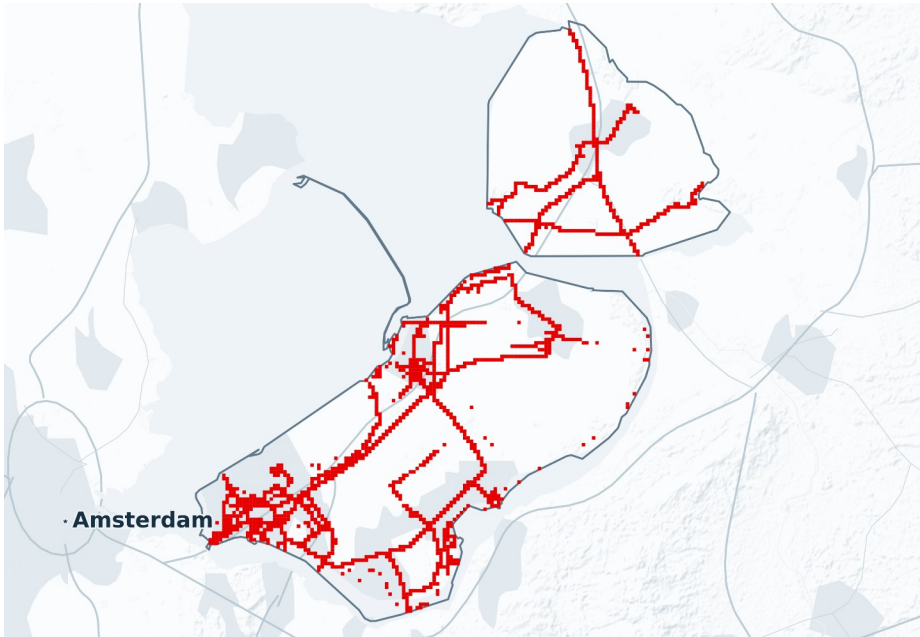
97,71 %

In mobility Pop. Coverage

99,29 %

nPerf Coverage Score

98,50 %



4G coverage — Friesland



Geographical Coverage

98,61 %

In mobility Pop. Coverage

99,09 %

nPerf Coverage Score

98,85 %



Geographical Coverage

95,34 %

In mobility Pop. Coverage

96,23 %

nPerf Coverage Score

95,78 %

Geographical Coverage

94,75 %

In mobility Pop. Coverage

97,54 %

nPerf Coverage Score

96,14 %

4G coverage — Gelderland



Geographical Coverage

97,64 %

In mobility Pop. Coverage

99,17 %

nPerf Coverage Score

98,40 %



Geographical Coverage

96,97 %

In mobility Pop. Coverage

98,70 %

nPerf Coverage Score

97,83 %

Geographical Coverage

96,70 %

In mobility Pop. Coverage

99,04 %

nPerf Coverage Score

97,87 %

4G coverage — Groningen





Geographical Coverage

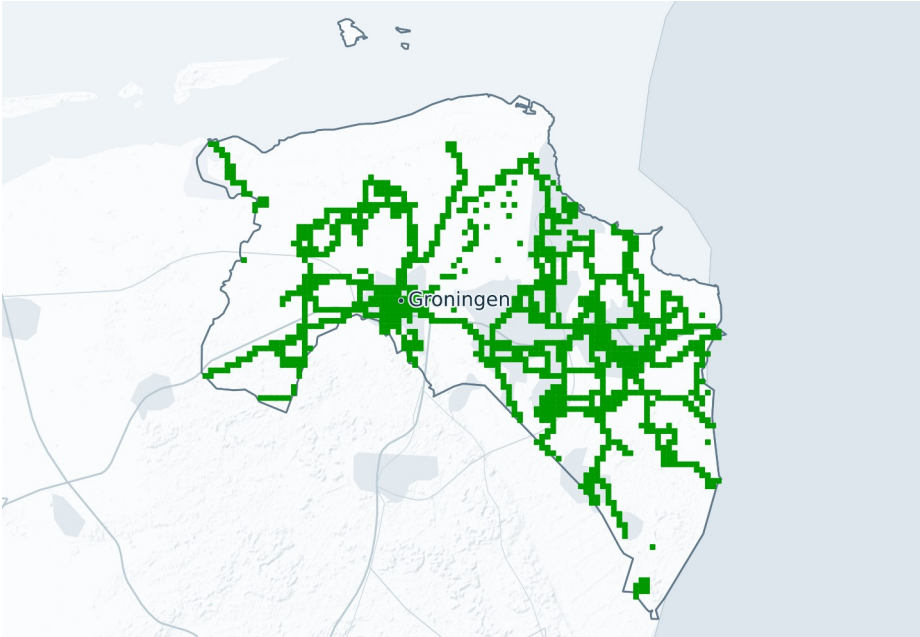
99,08 %

In mobility Pop. Coverage

99,54 %

nPerf Coverage Score

99,31 %







Geographical Coverage

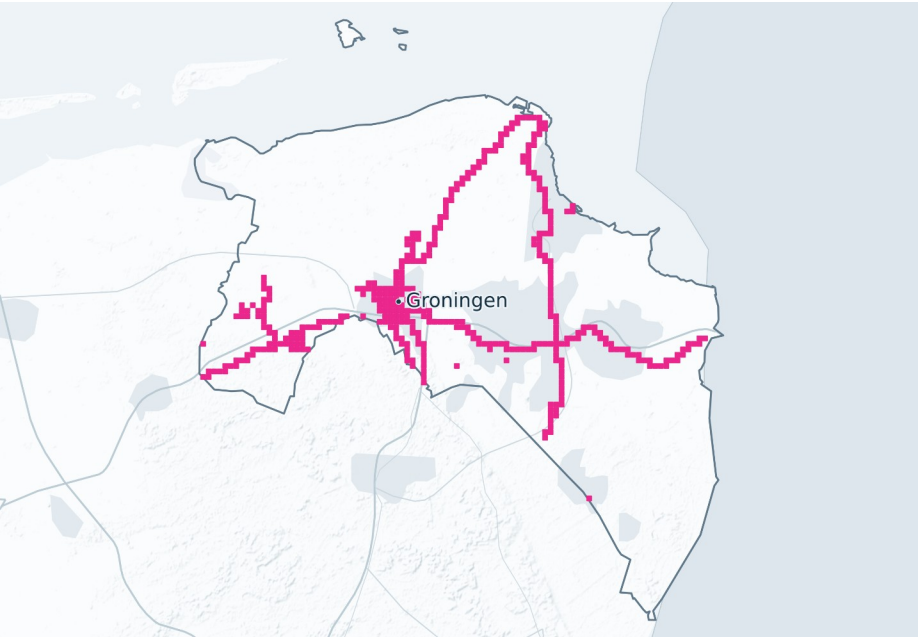
98,32 %

In mobility Pop. Coverage

99,49 %

nPerf Coverage Score

98,91 %





Geographical Coverage

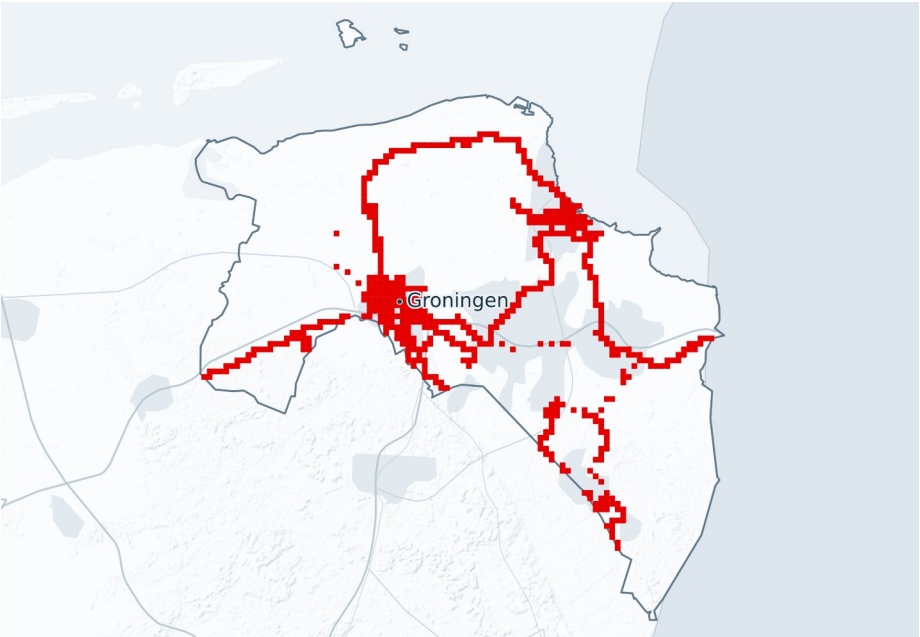
98,87 %

In mobility Pop. Coverage

99,24 %

nPerf Coverage Score

99,06 %



4G coverage — Limburg



Geographical Coverage

99,25 %

In mobility Pop. Coverage

99,75 %

nPerf Coverage Score

99,50 %



Geographical Coverage

95,72 %

In mobility Pop. Coverage

98,30 %

nPerf Coverage Score

97,01 %

Geographical Coverage

98,66 %

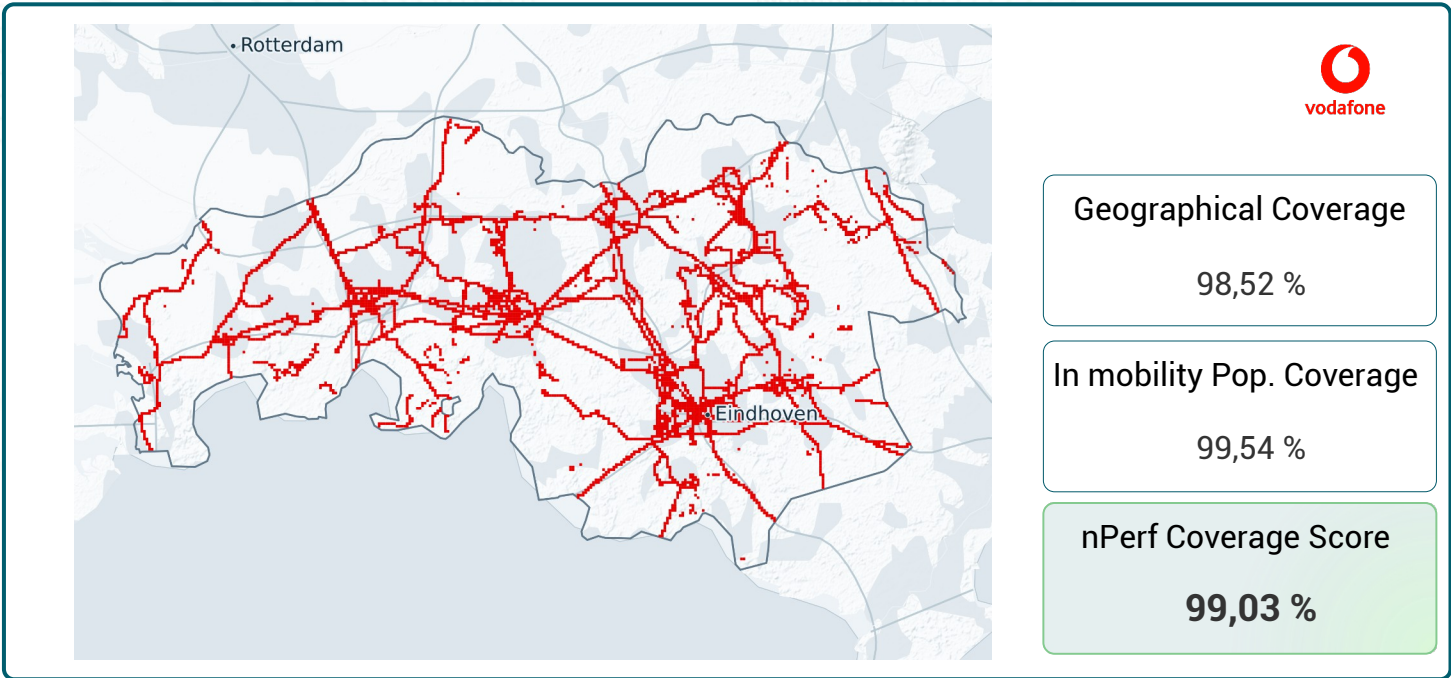
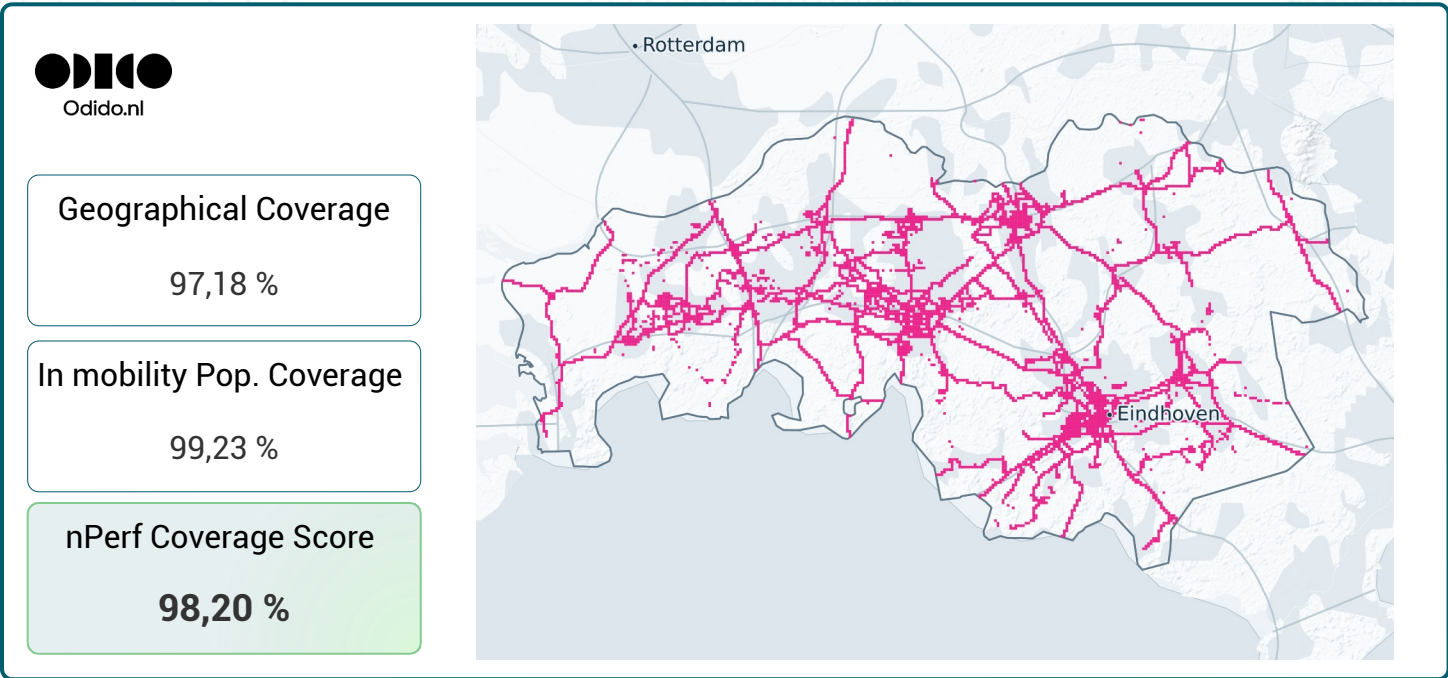
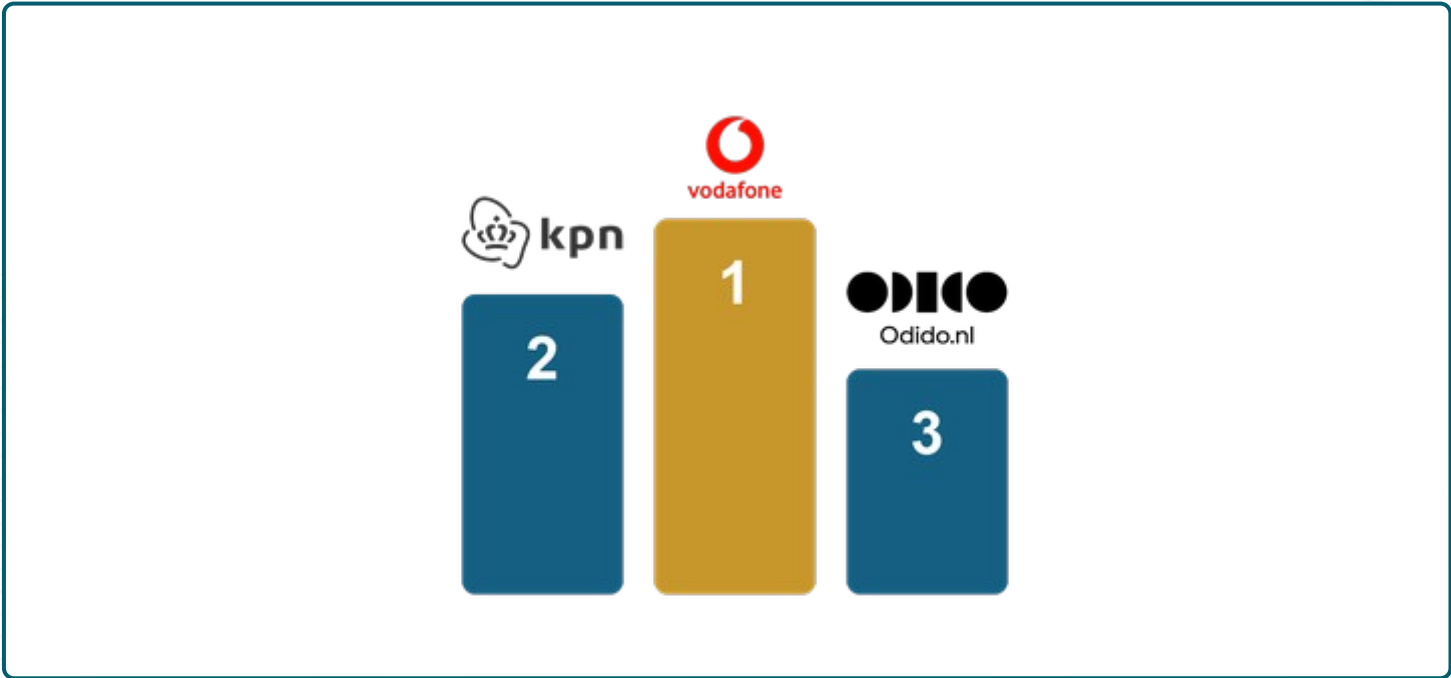
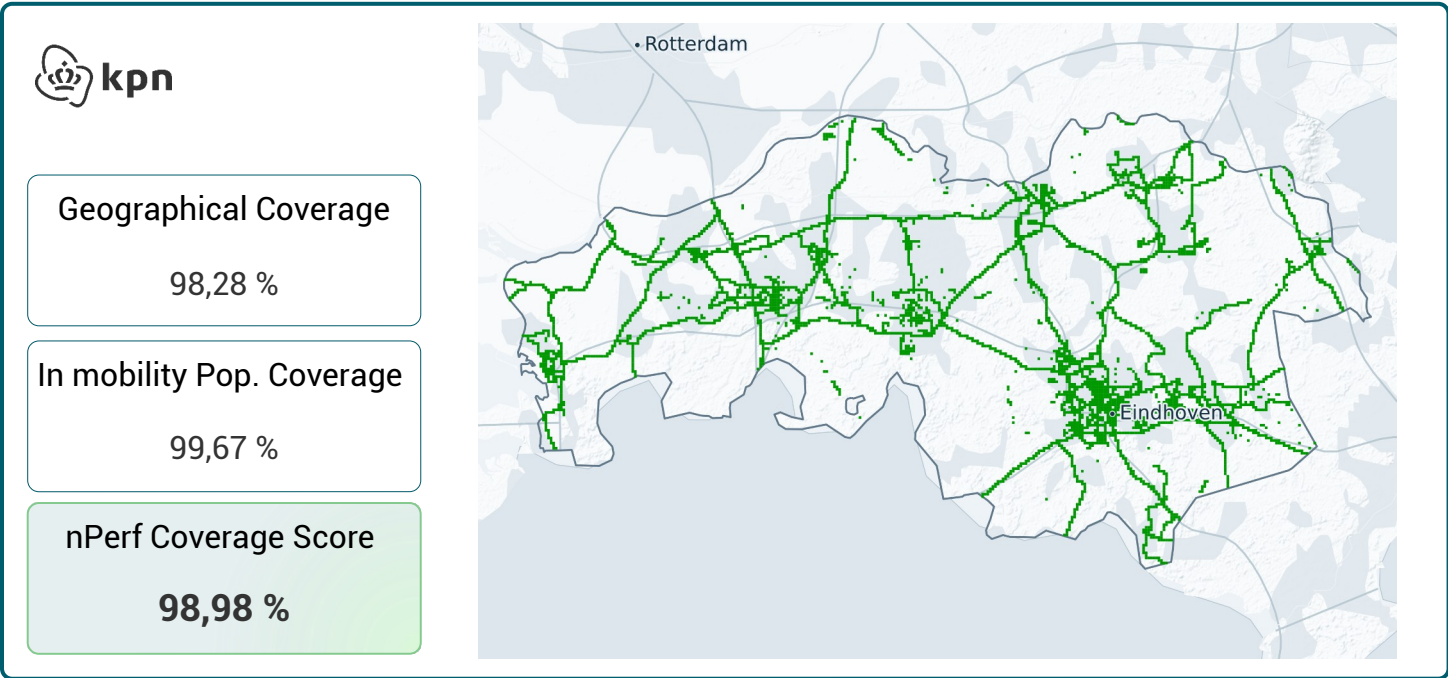
In mobility Pop. Coverage

99,63 %

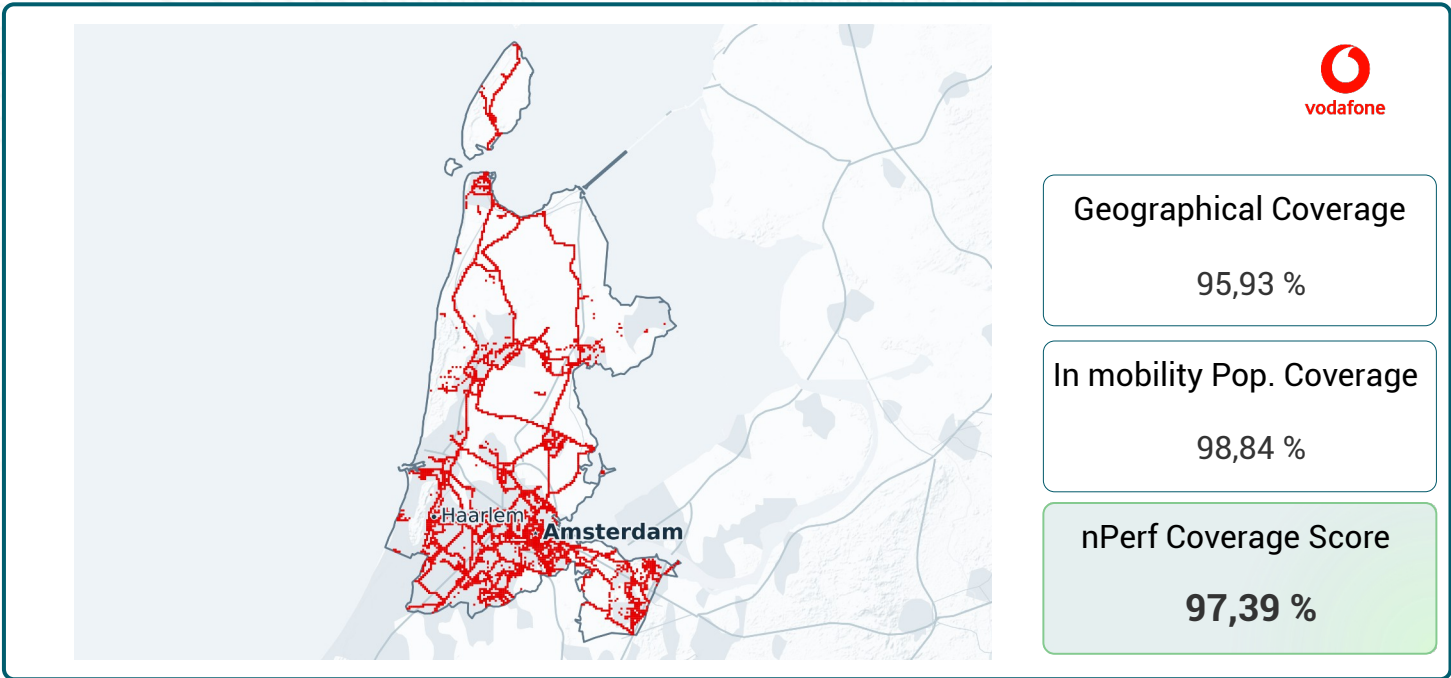
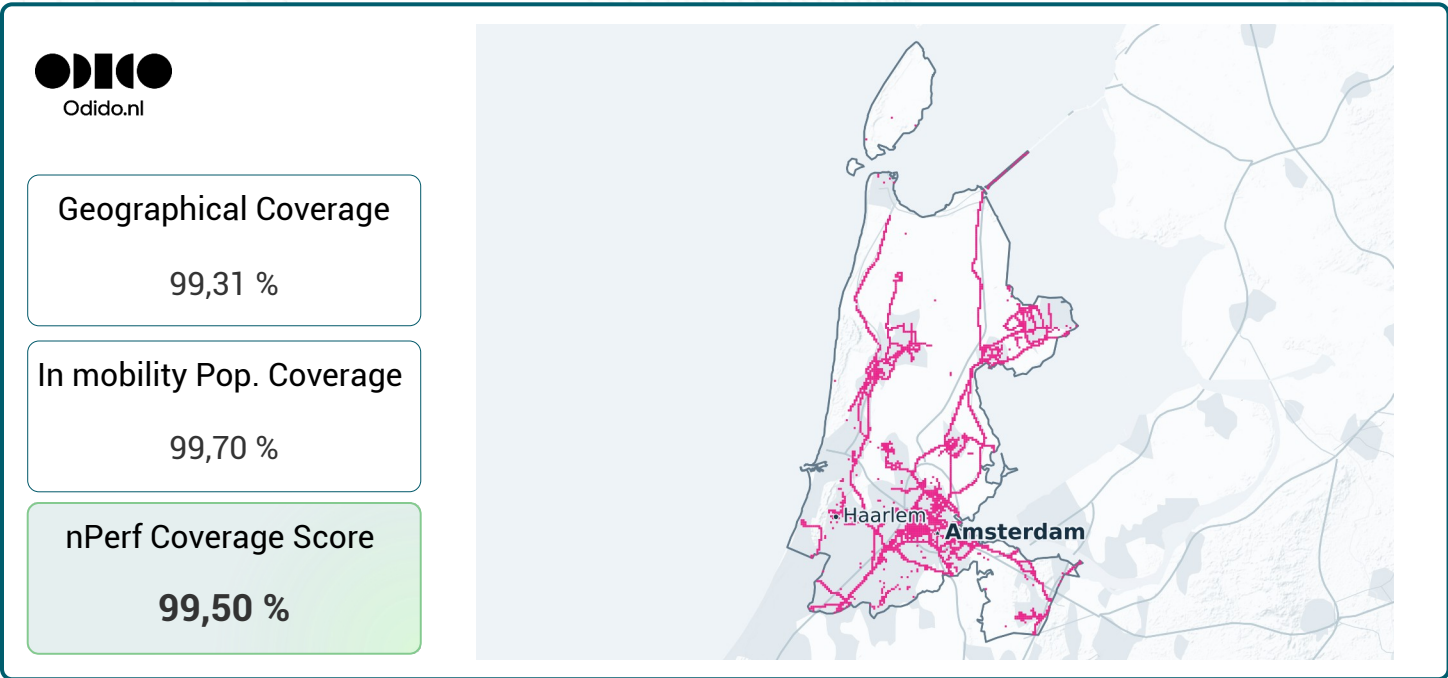
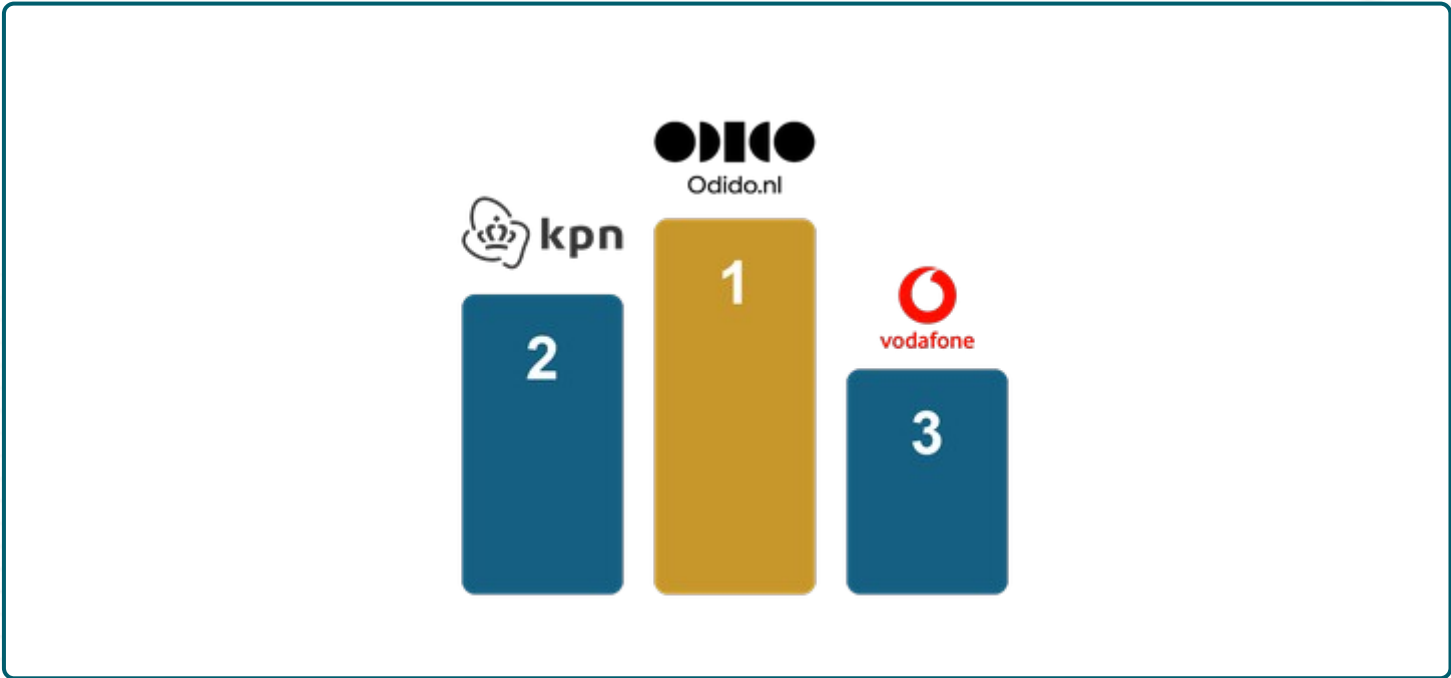
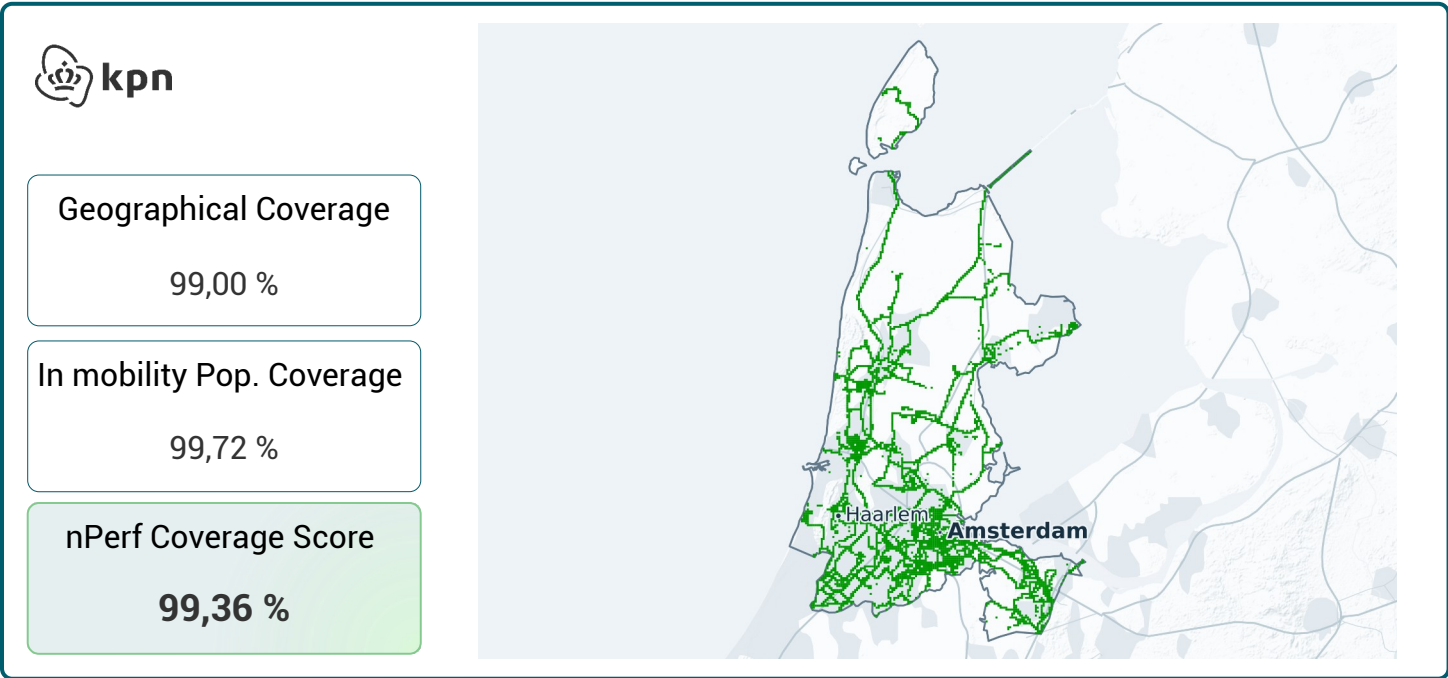
nPerf Coverage Score

99,14 %

4G coverage — Noord-Brabant



4G coverage — Noord-Holland



4G coverage — Overijssel



Geographical Coverage

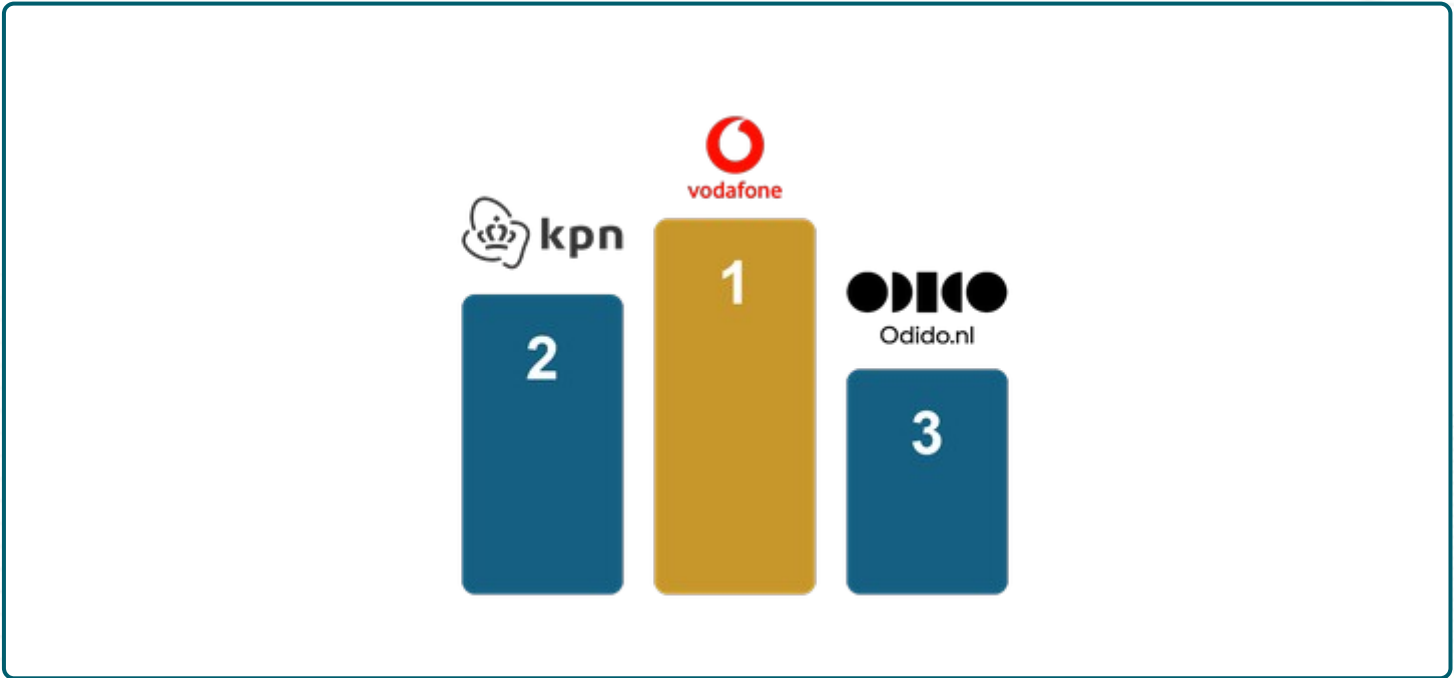
97,20 %

In mobility Pop. Coverage

98,99 %

nPerf Coverage Score

98,09 %



Geographical Coverage

97,09 %

In mobility Pop. Coverage

98,95 %

nPerf Coverage Score

98,02 %

Geographical Coverage

98,14 %

In mobility Pop. Coverage

99,24 %

nPerf Coverage Score

98,69 %

4G coverage — Utrecht





Geographical Coverage

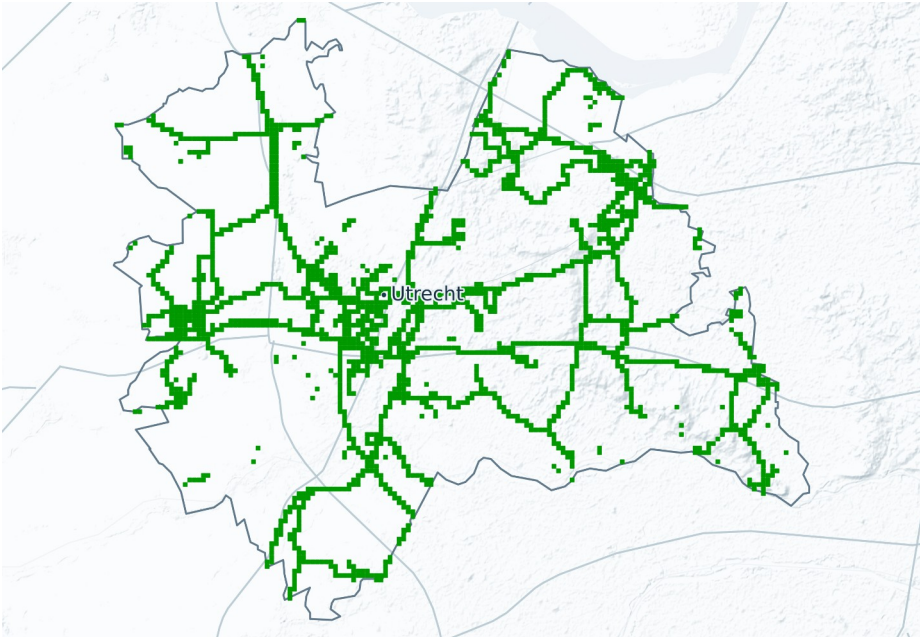
99,24 %

In mobility Pop. Coverage

99,87 %

nPerf Coverage Score

99,55 %







Geographical Coverage

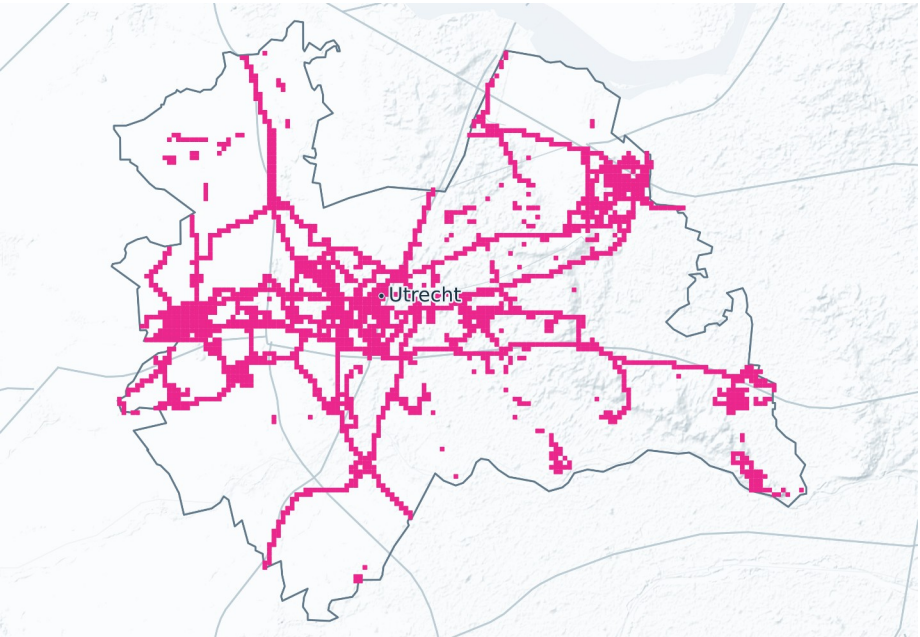
99,09 %

In mobility Pop. Coverage

99,84 %

nPerf Coverage Score

99,46 %





Geographical Coverage

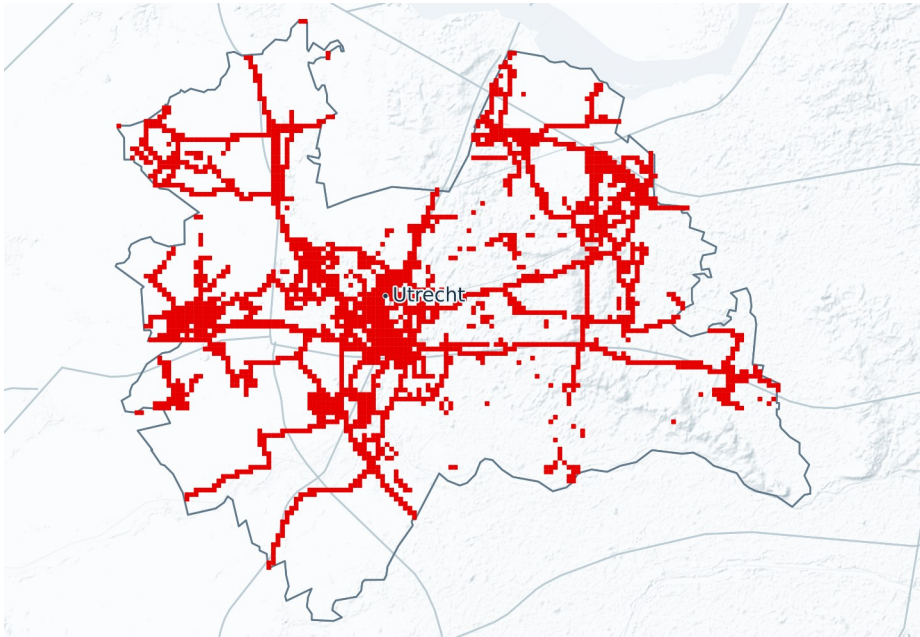
97,48 %

In mobility Pop. Coverage

99,44 %

nPerf Coverage Score

98,46 %



4G coverage — Zeeland





Geographical Coverage

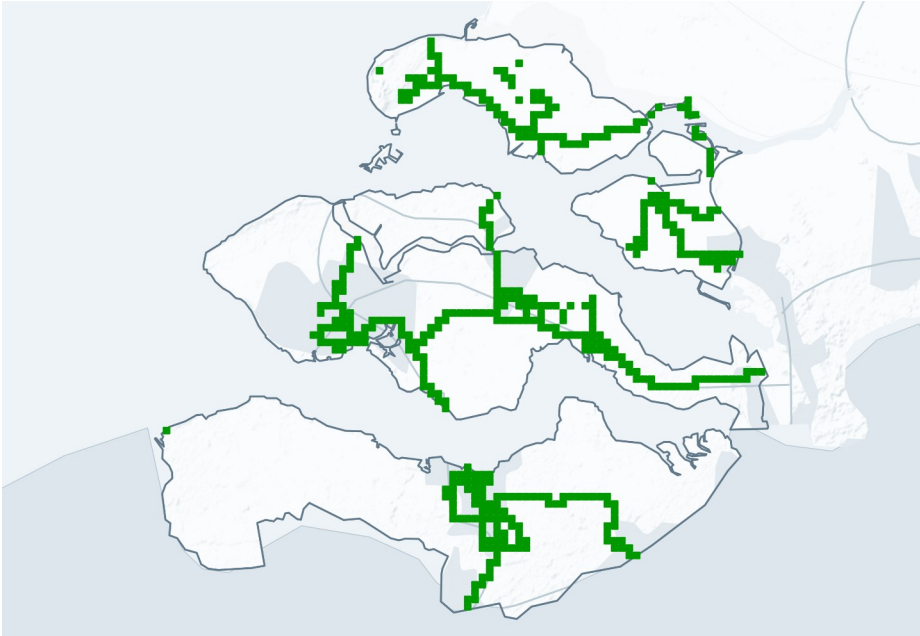
95,63 %

In mobility Pop. Coverage

96,16 %

nPerf Coverage Score

95,90 %







Geographical Coverage

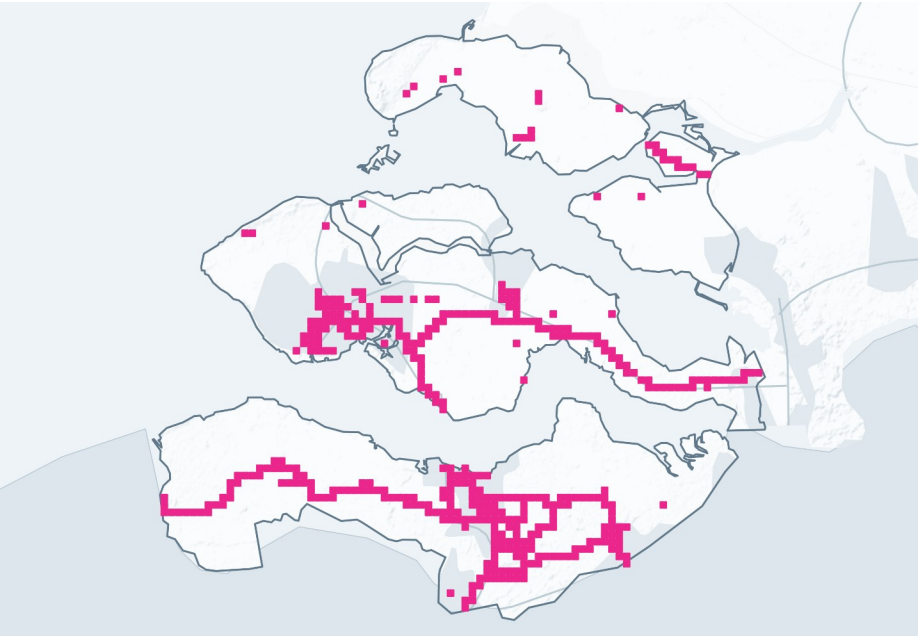
98,77 %

In mobility Pop. Coverage

99,33 %

nPerf Coverage Score

99,05 %





Geographical Coverage

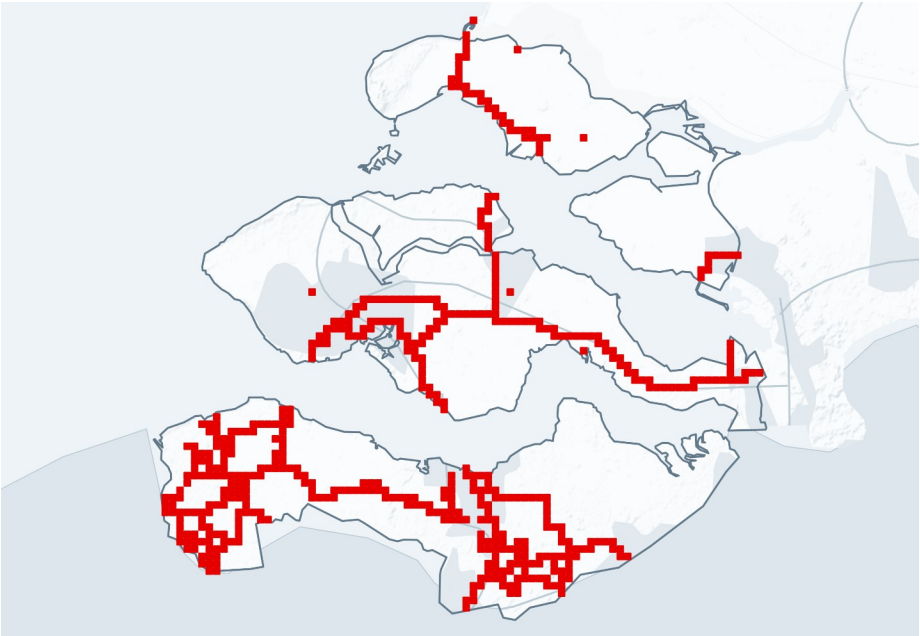
99,61 %

In mobility Pop. Coverage

99,75 %

nPerf Coverage Score

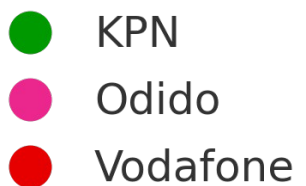
99,68 %



8. Regional 5G coverage: Methodology



Regions	Measurements	Device count	Measurements per operator
Noord-Brabant	1 230 918	46 516	43% 19% 38%
Limburg	1 098 890	24 602	79% 8% 13%
Gelderland	714 090	38 130	22% 42% 36%
Noord-Holland	709 274	31 682	32% 39% 29%
Utrecht	570 908	27 256	37% 25% 37%
Flevoland	350 912	13 290	16% 70% 15%
Overijssel	277 638	14 448	14% 41% 45%
Groningen	208 868	9 012	15% 73% 11%
Friesland	155 154	10 692	65% 32%
Drenthe	135 724	9 312	12% 56% 31%
Zeeland	115 480	4 634	46% 25% 29%



Regional 5G coverage



nPerf Coverage Score



Source : nPerf.com

Regional Winner



Source : nPerf.com

5G coverage — Drenthe





Geographical Coverage

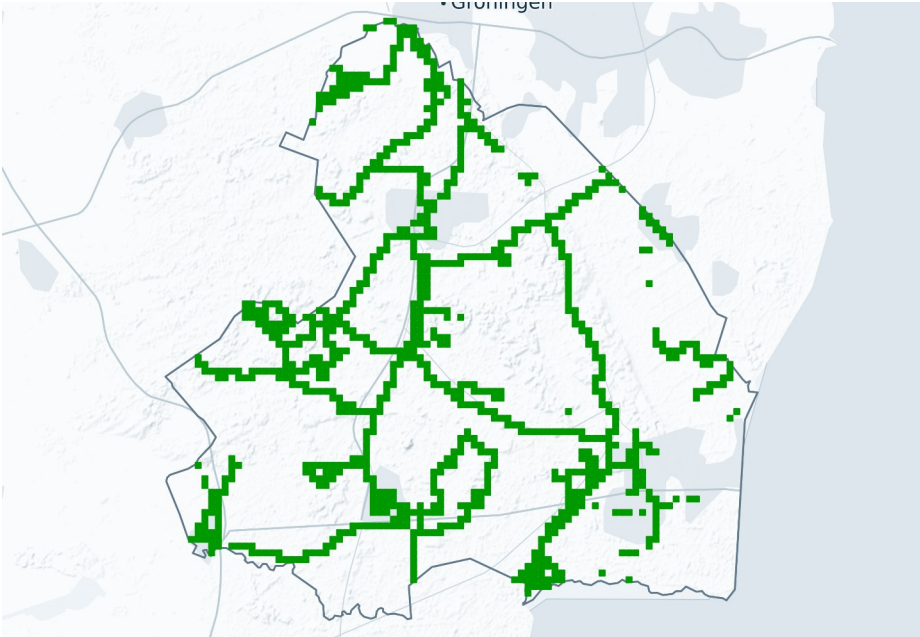
85,78 %

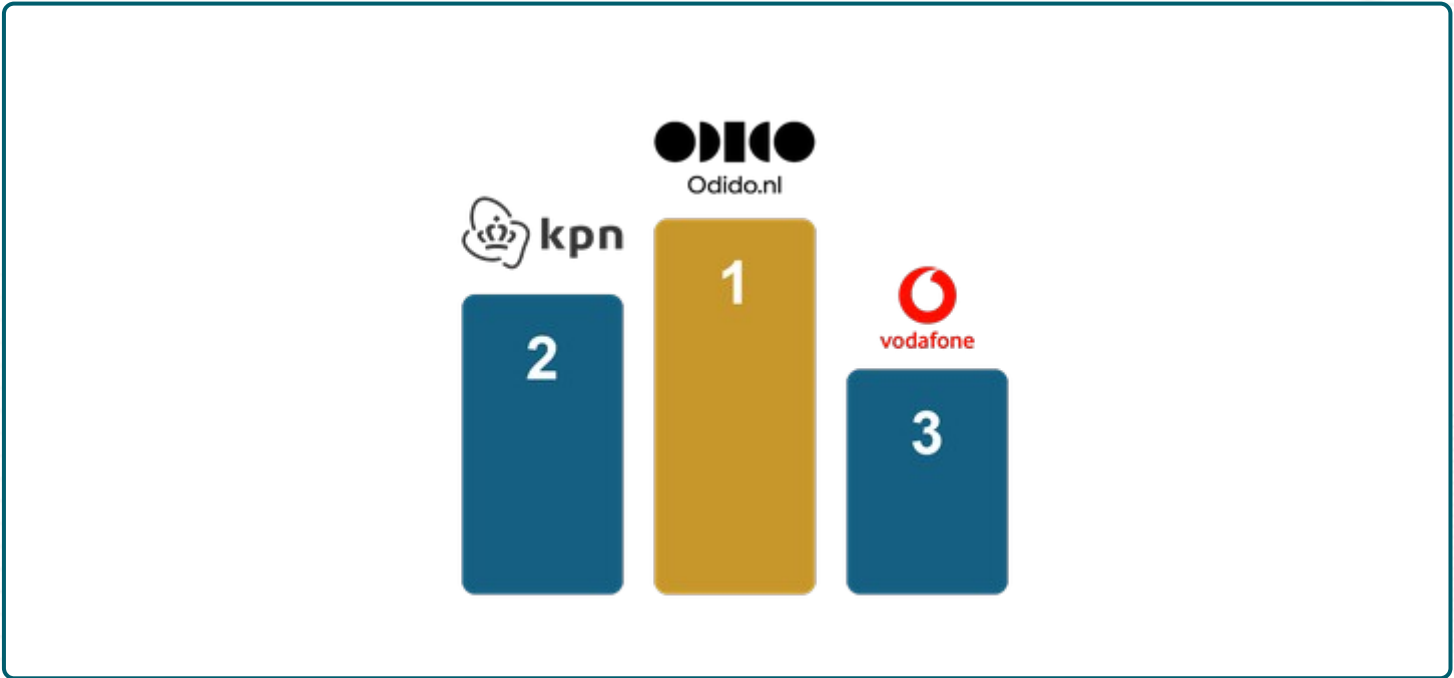
In mobility Pop. Coverage

89,36 %

nPerf Coverage Score

87,57 %







Geographical Coverage

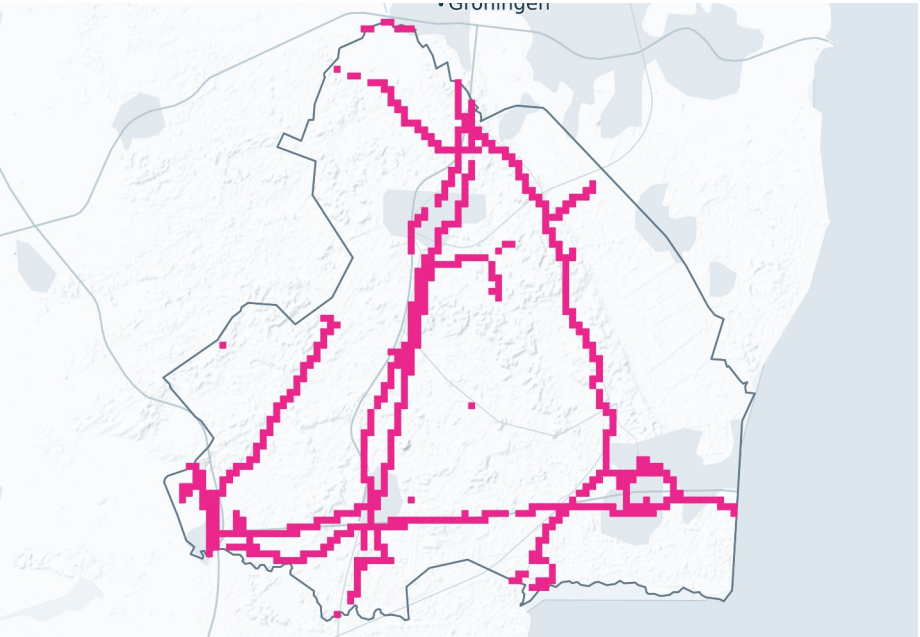
89,64 %

In mobility Pop. Coverage

93,13 %

nPerf Coverage Score

91,38 %





Geographical Coverage

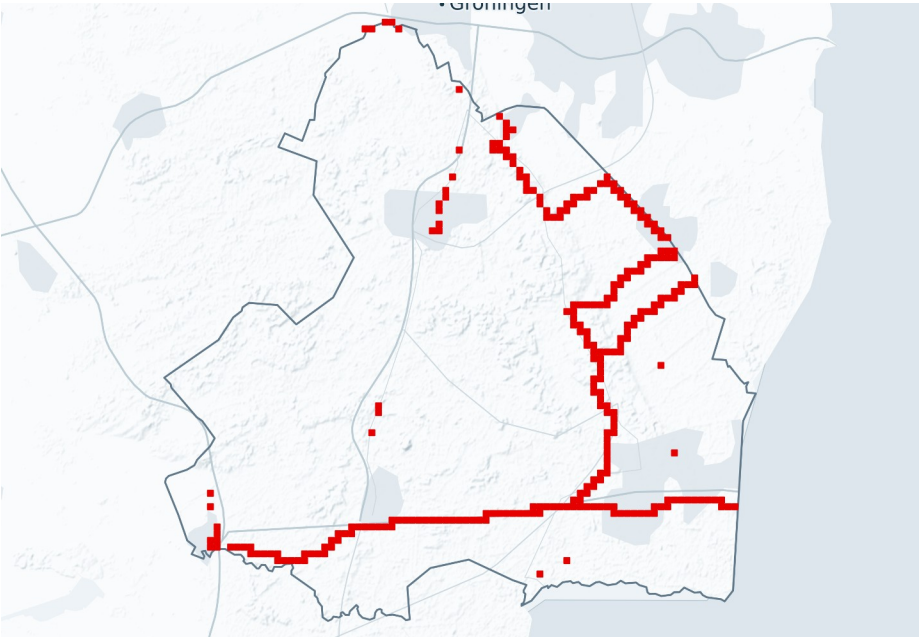
68,65 %

In mobility Pop. Coverage

77,43 %

nPerf Coverage Score

73,04 %



5G coverage — Flevoland





Geographical Coverage

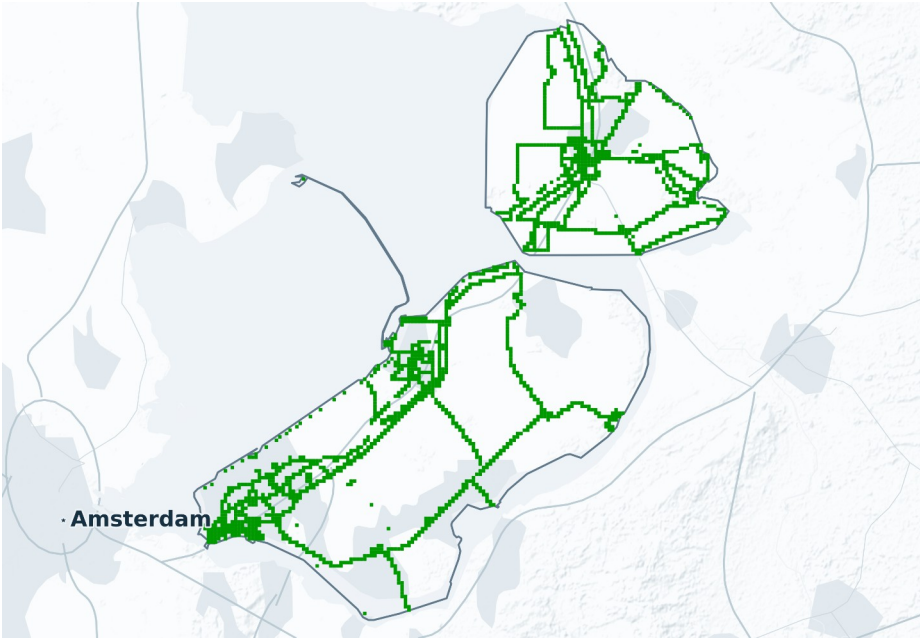
93,52 %

In mobility Pop. Coverage

97,43 %

nPerf Coverage Score

95,47 %







Geographical Coverage

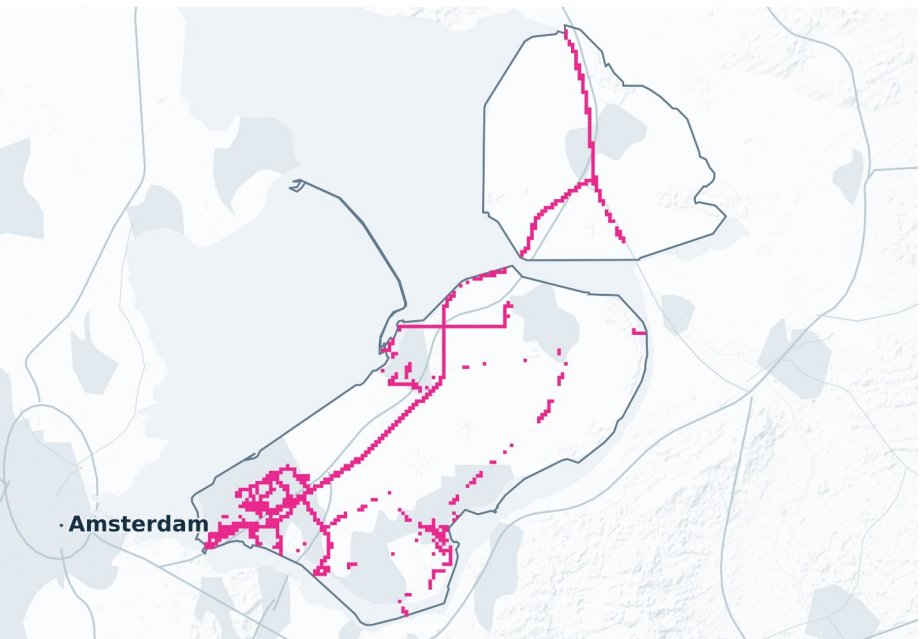
78,68 %

In mobility Pop. Coverage

89,45 %

nPerf Coverage Score

84,06 %





Geographical Coverage

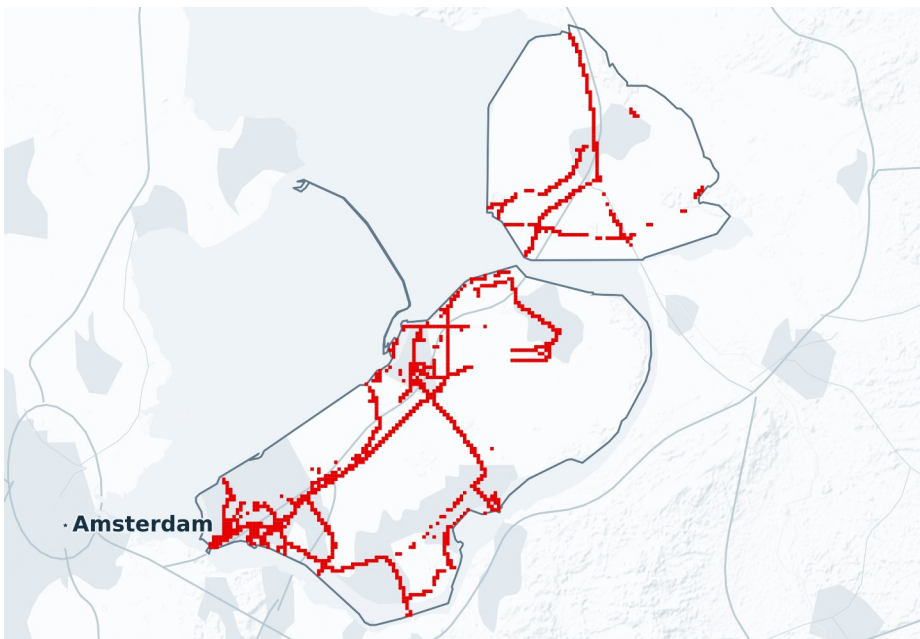
71,56 %

In mobility Pop. Coverage

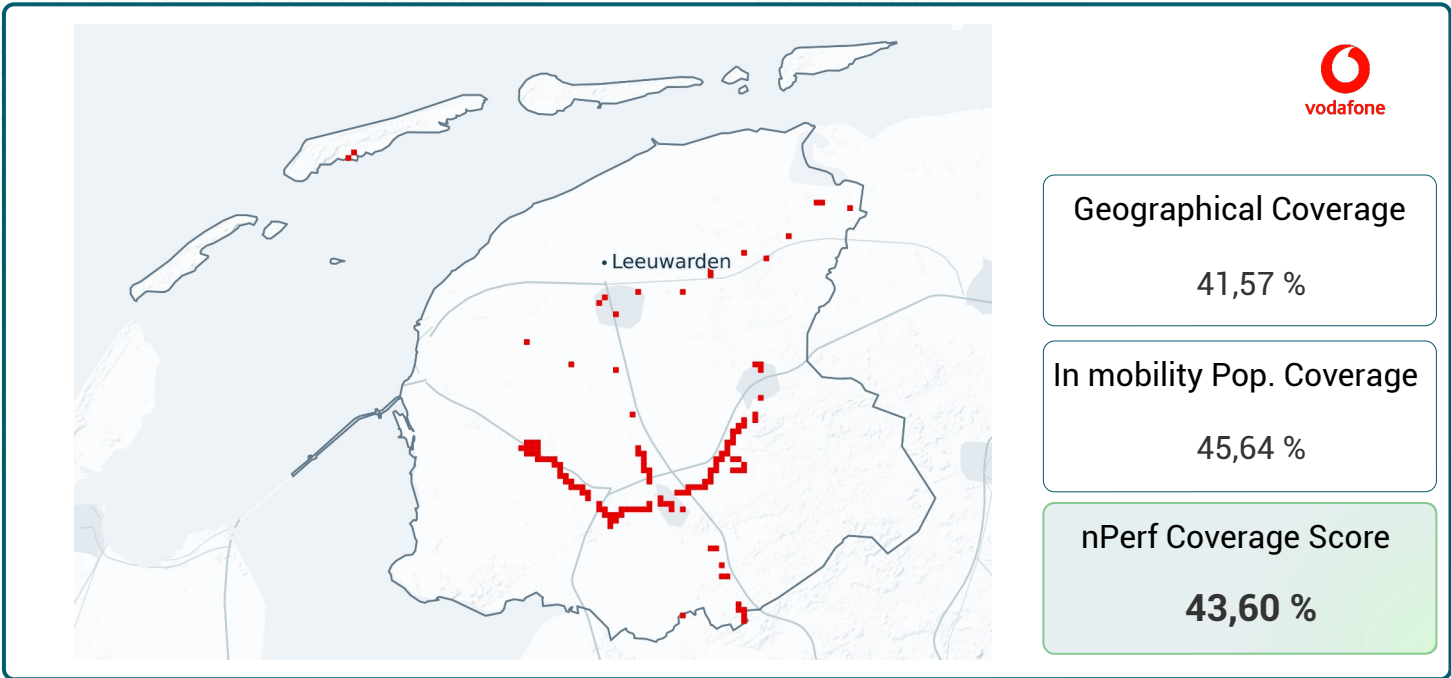
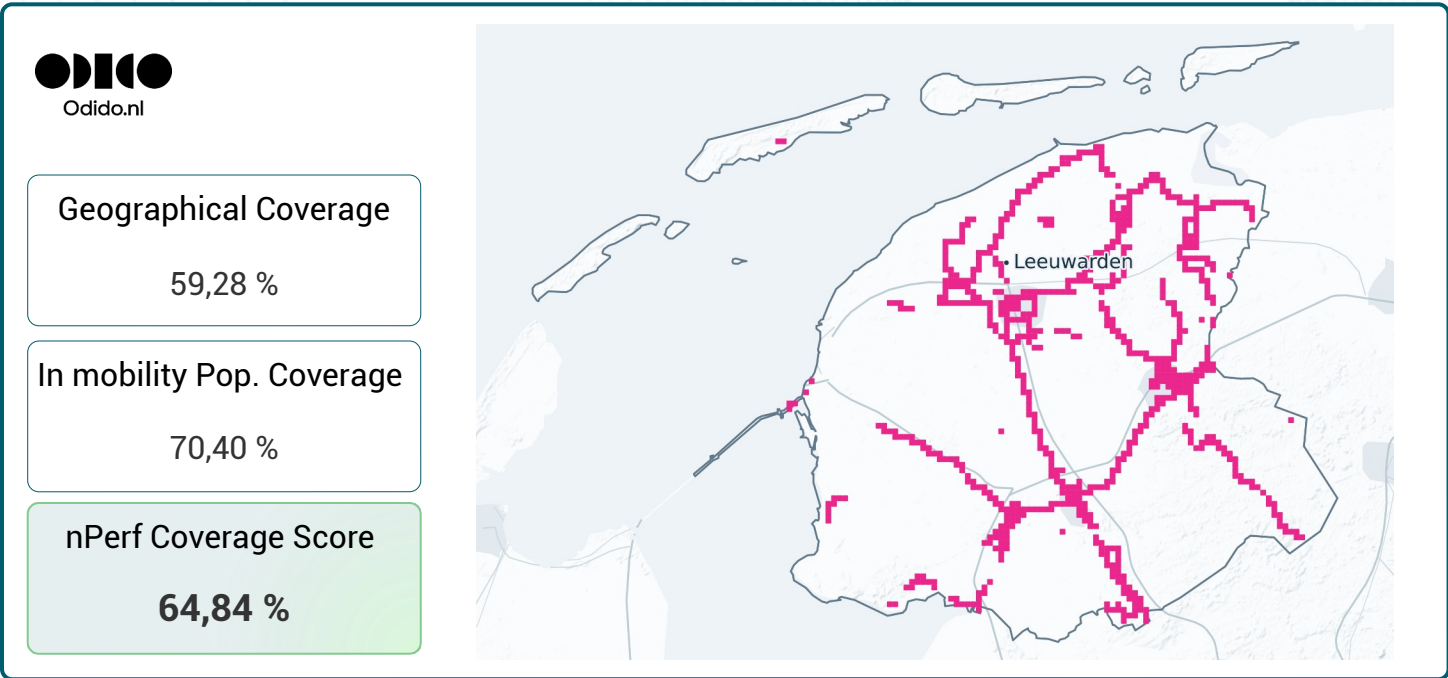
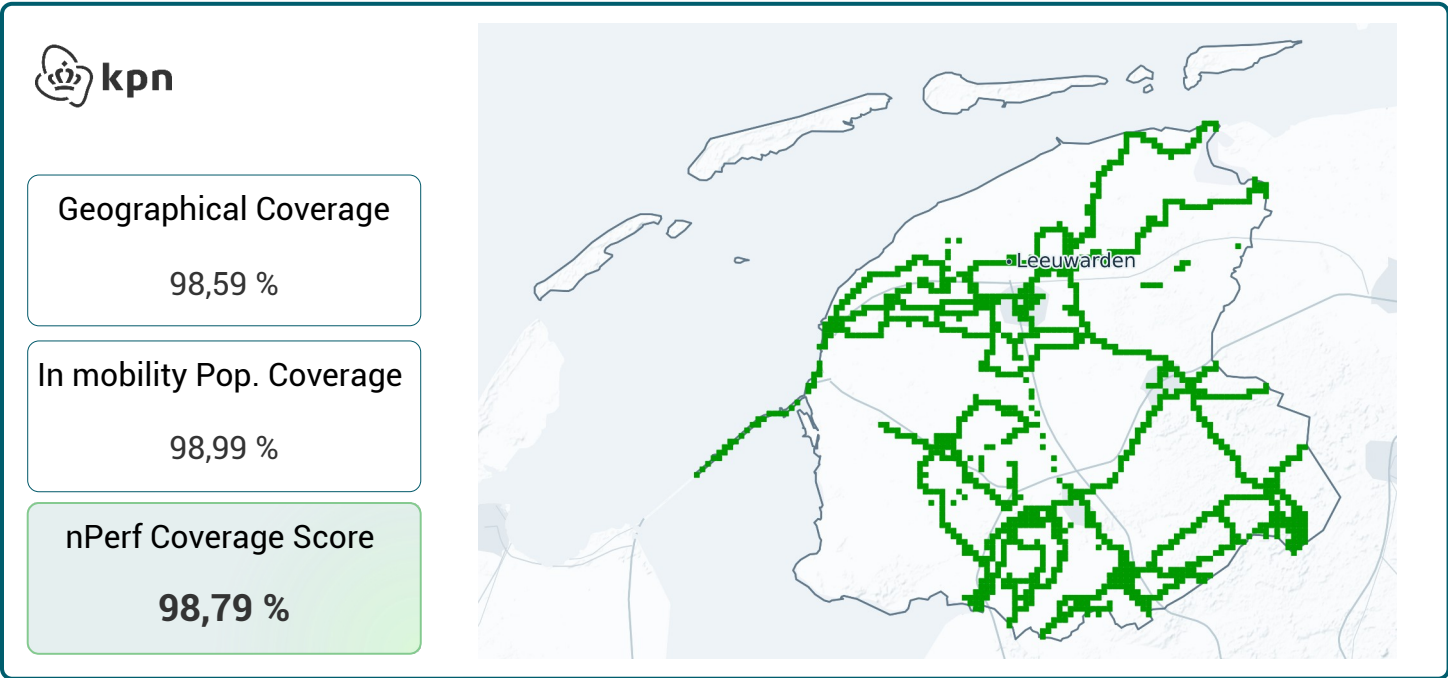
85,40 %

nPerf Coverage Score

78,48 %



5G coverage — Friesland



5G coverage — Gelderland





Geographical Coverage

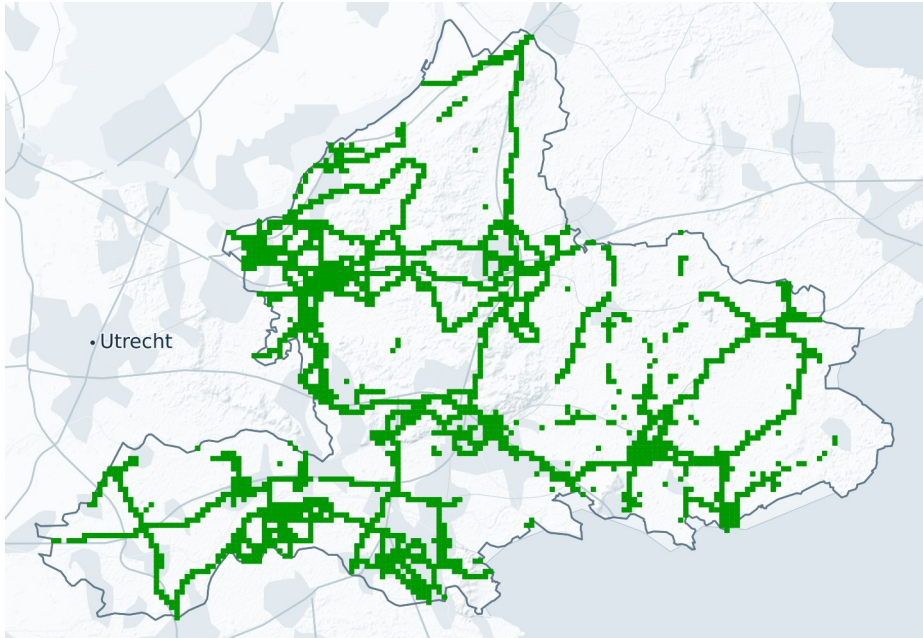
85,60 %

In mobility Pop. Coverage

93,71 %

nPerf Coverage Score

89,65 %







Geographical Coverage

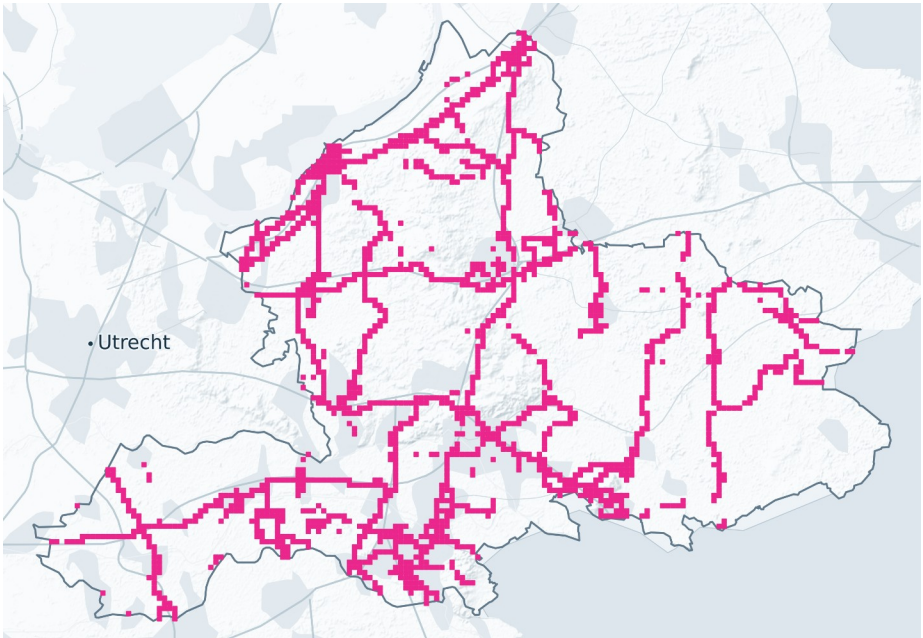
84,42 %

In mobility Pop. Coverage

94,19 %

nPerf Coverage Score

89,31 %





Geographical Coverage

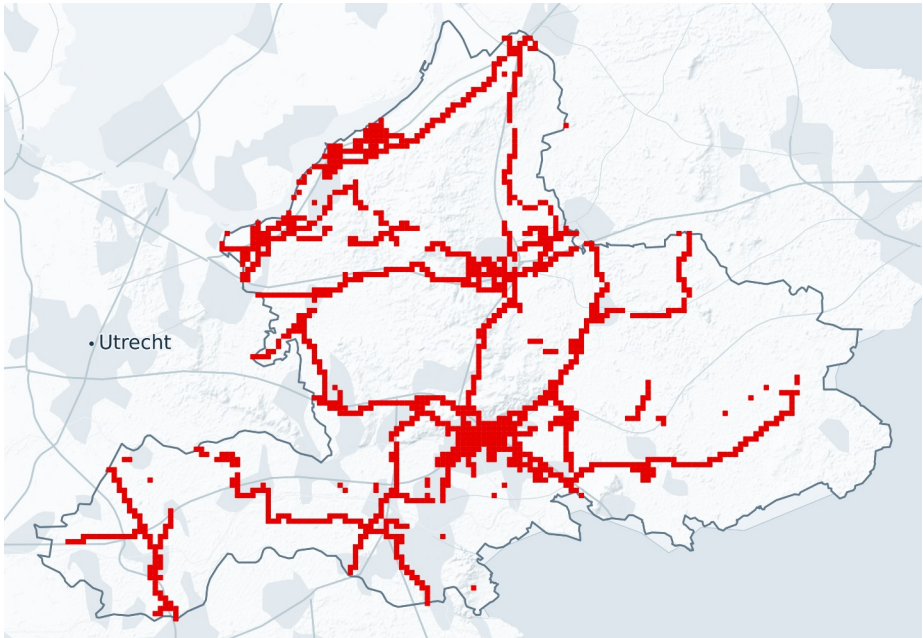
73,49 %

In mobility Pop. Coverage

88,80 %

nPerf Coverage Score

81,15 %



5G coverage — Groningen





Geographical Coverage

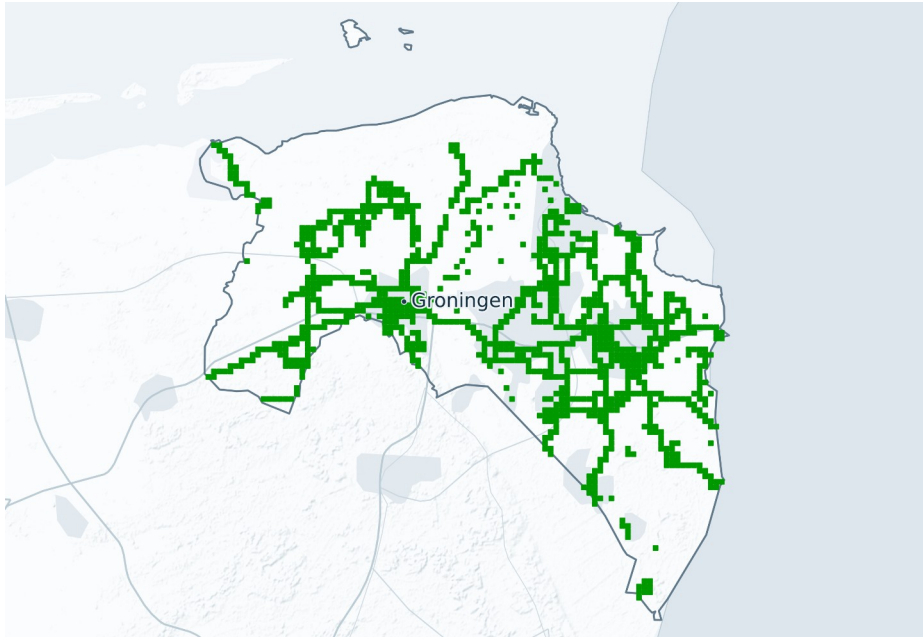
90,58 %

In mobility Pop. Coverage

93,45 %

nPerf Coverage Score

92,01 %







Geographical Coverage

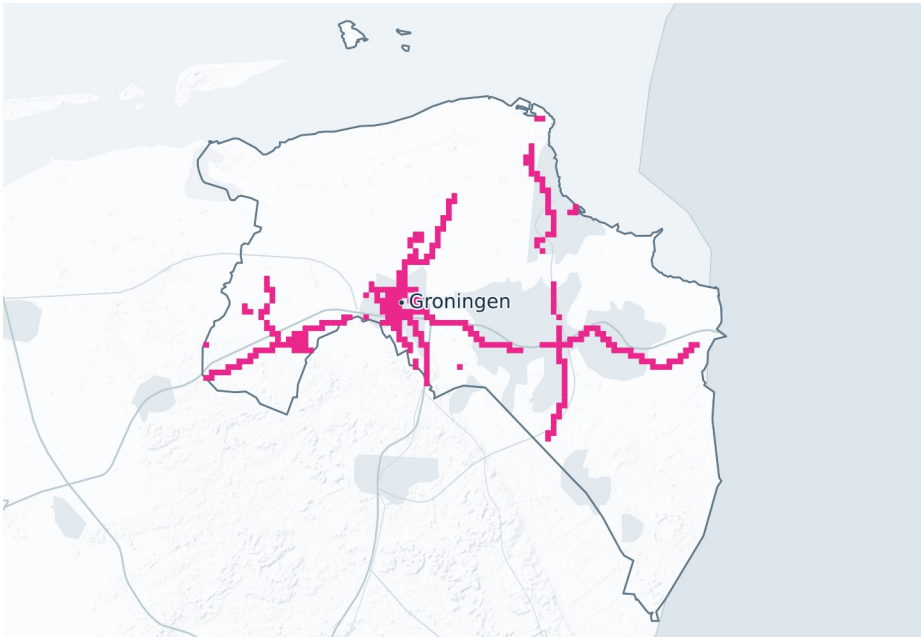
76,20 %

In mobility Pop. Coverage

87,38 %

nPerf Coverage Score

81,79 %





Geographical Coverage

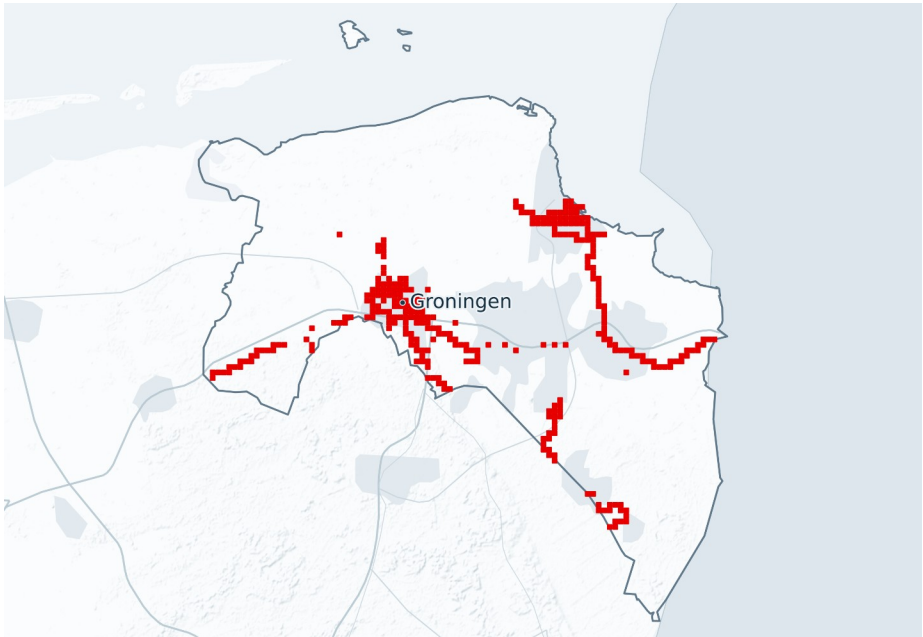
80,41 %

In mobility Pop. Coverage

81,48 %

nPerf Coverage Score

80,95 %



5G coverage — Limburg



Geographical Coverage

89,99 %

In mobility Pop. Coverage

94,67 %

nPerf Coverage Score

92,33 %



Geographical Coverage

82,83 %

In mobility Pop. Coverage

91,29 %

nPerf Coverage Score

87,06 %

Geographical Coverage

82,97 %

In mobility Pop. Coverage

93,09 %

nPerf Coverage Score

88,03 %

5G coverage — Noord-Brabant





Geographical Coverage

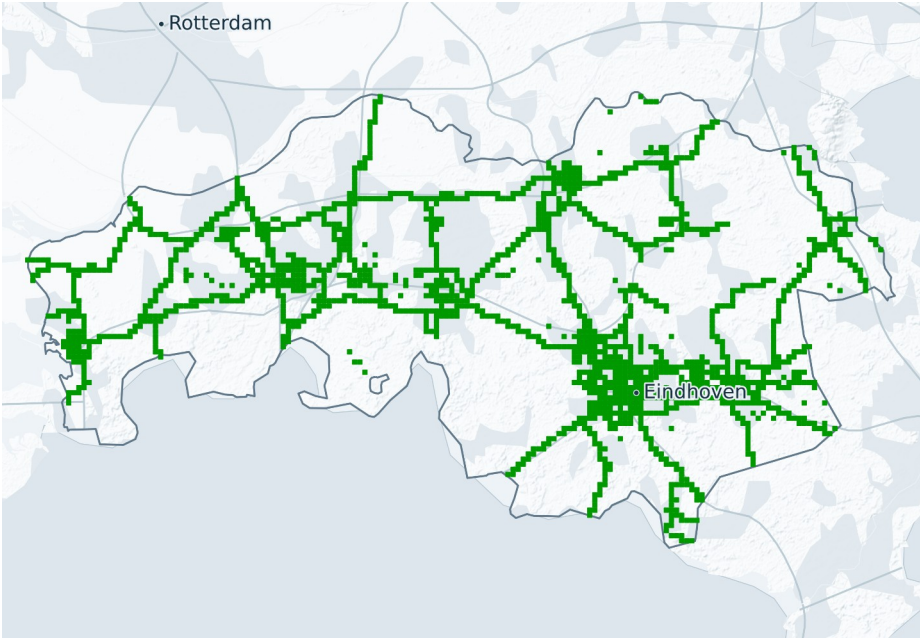
89,83 %

In mobility Pop. Coverage

96,79 %

nPerf Coverage Score

93,31 %







Geographical Coverage

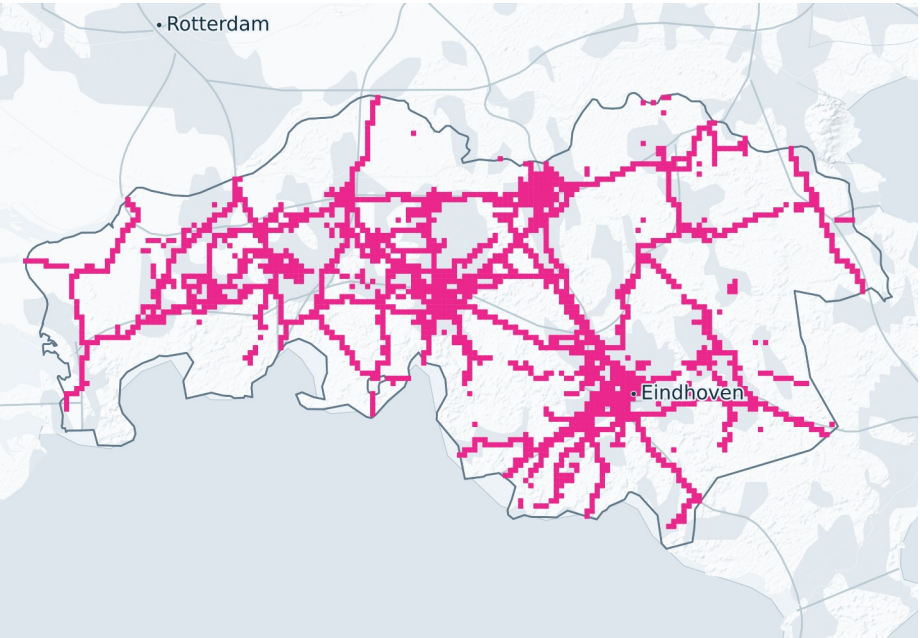
85,93 %

In mobility Pop. Coverage

95,33 %

nPerf Coverage Score

90,63 %





Geographical Coverage

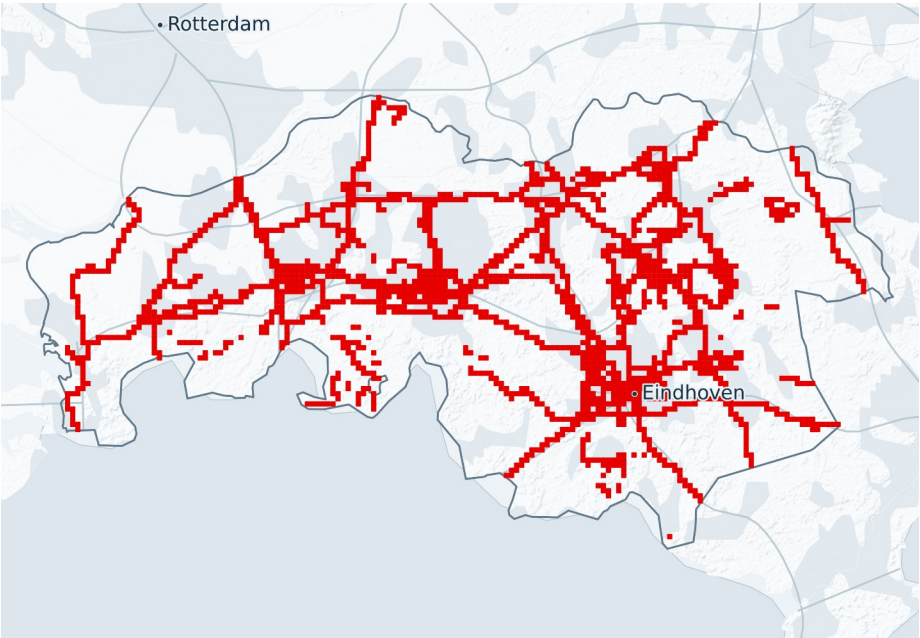
84,77 %

In mobility Pop. Coverage

94,17 %

nPerf Coverage Score

89,47 %



5G coverage — Noord-Holland





Geographical Coverage

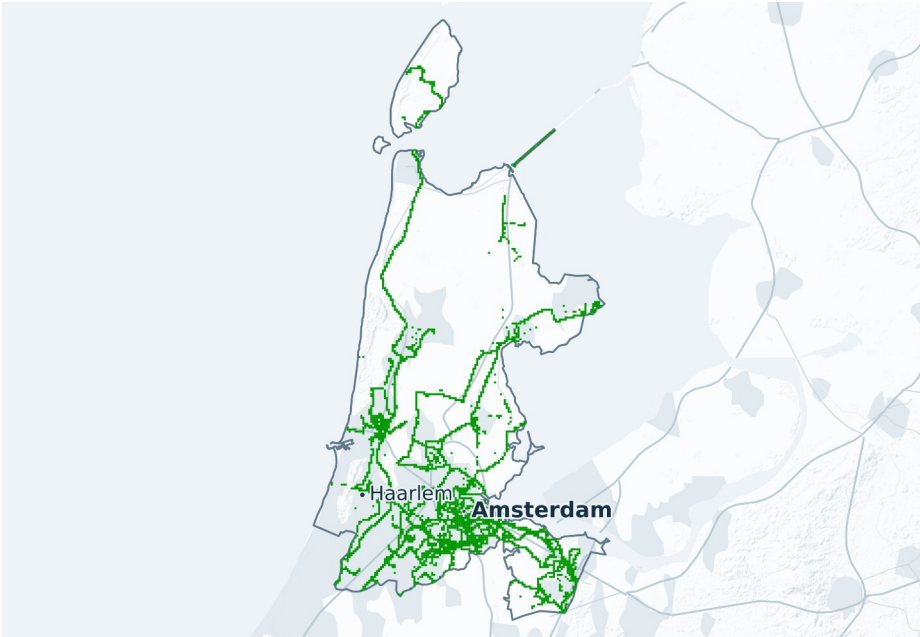
93,84 %

In mobility Pop. Coverage

97,48 %

nPerf Coverage Score

95,66 %







Geographical Coverage

79,43 %

In mobility Pop. Coverage

91,13 %

nPerf Coverage Score

85,28 %





Geographical Coverage

77,47 %

In mobility Pop. Coverage

90,59 %

nPerf Coverage Score

84,03 %



5G coverage — Overijssel





Geographical Coverage

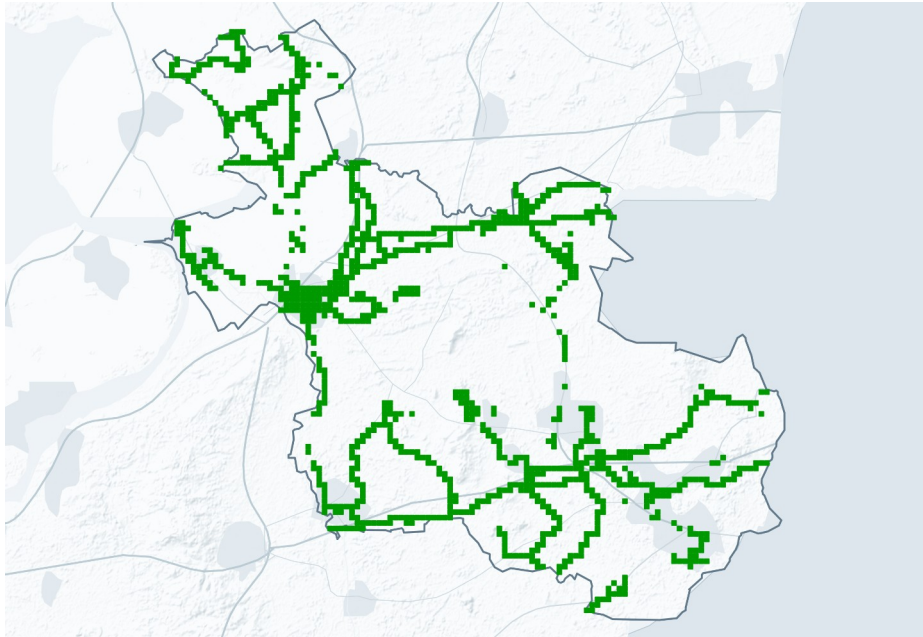
85,03 %

In mobility Pop. Coverage

91,56 %

nPerf Coverage Score

88,29 %







Geographical Coverage

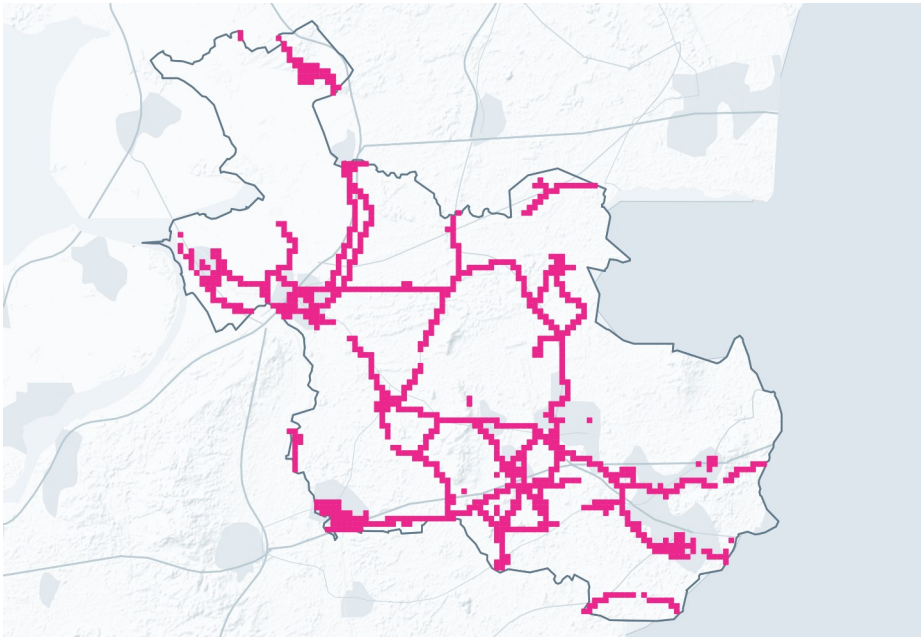
81,03 %

In mobility Pop. Coverage

88,57 %

nPerf Coverage Score

84,80 %





Geographical Coverage

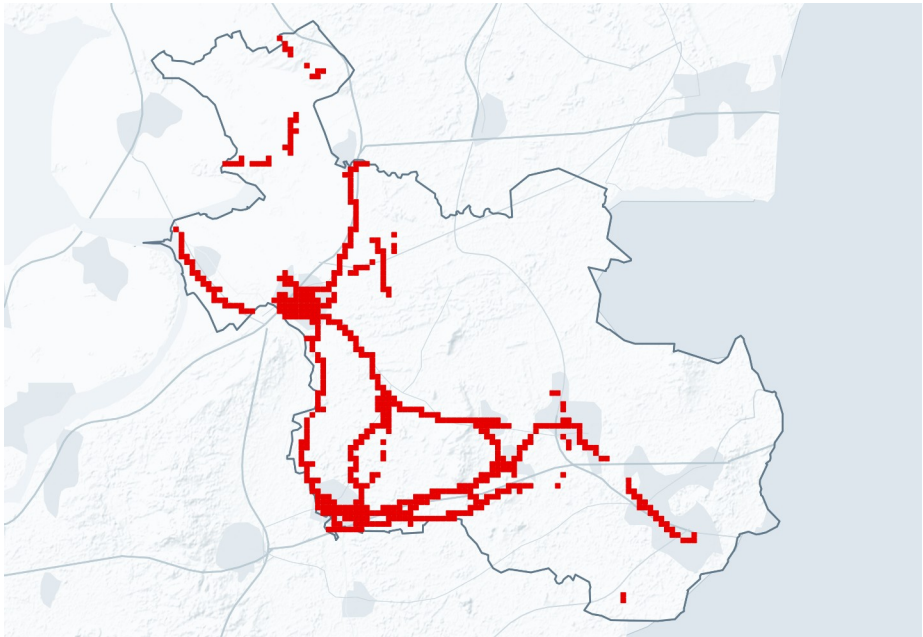
69,77 %

In mobility Pop. Coverage

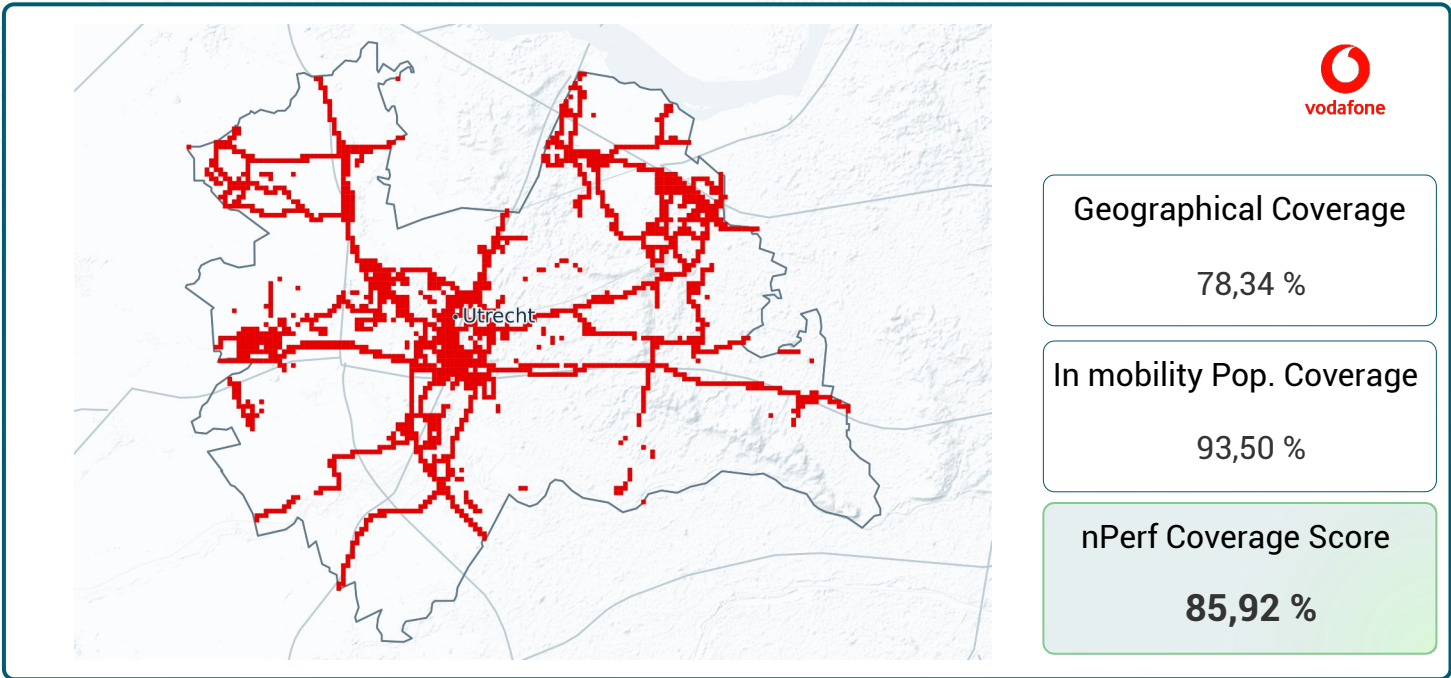
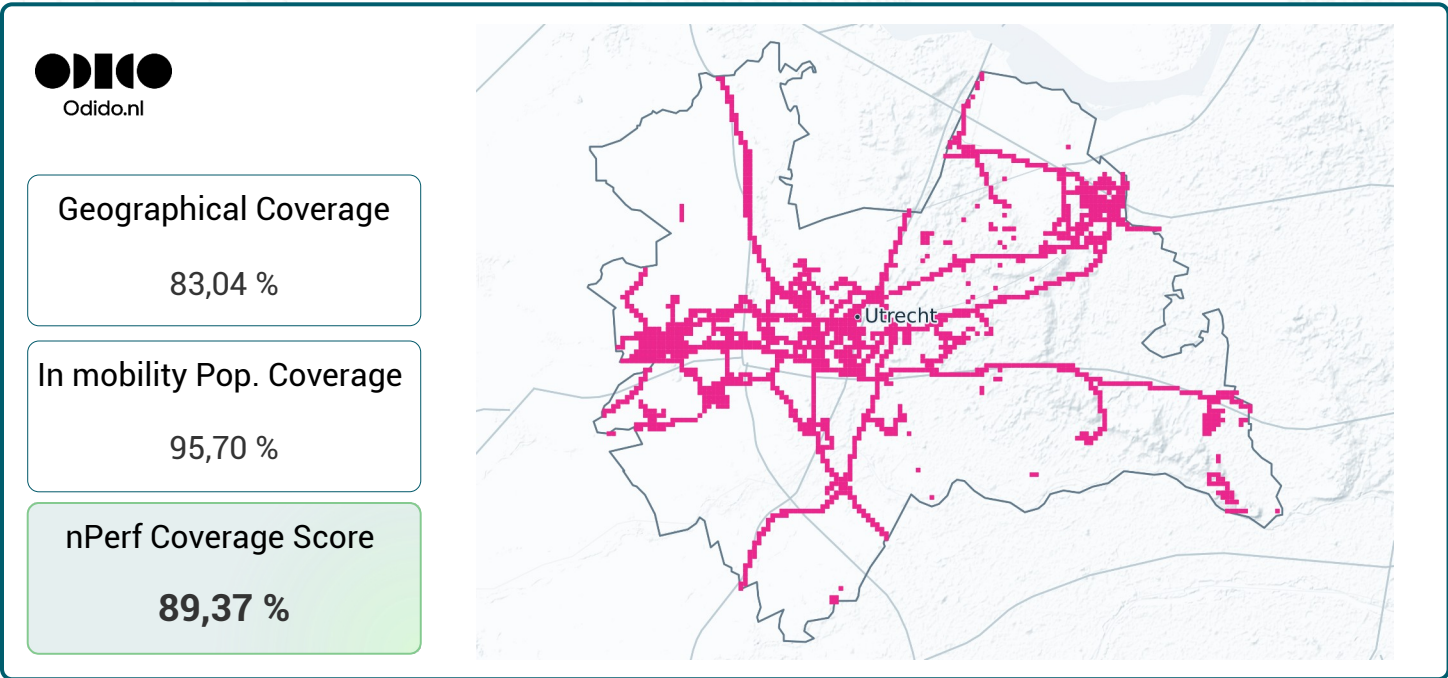
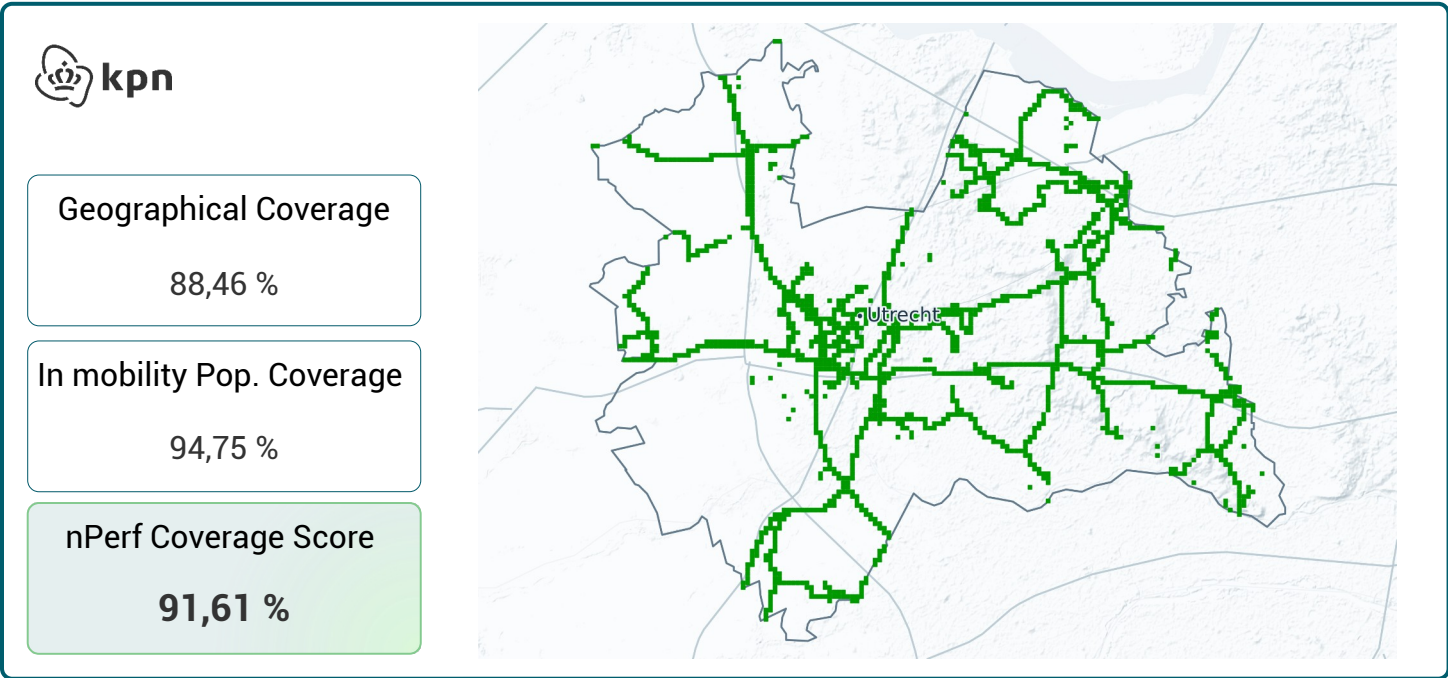
78,20 %

nPerf Coverage Score

73,98 %



5G coverage — Utrecht



5G coverage — Zeeland





Geographical Coverage

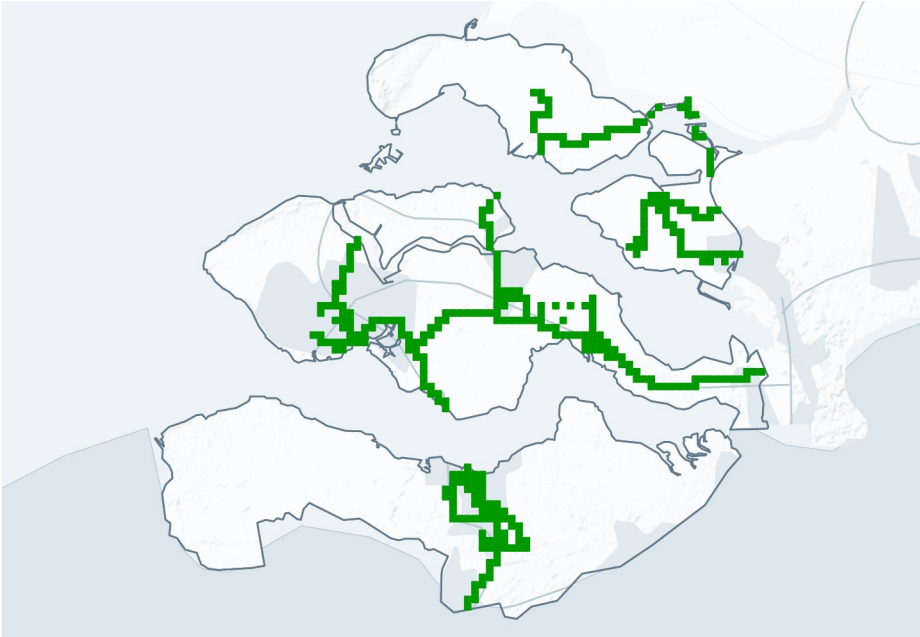
90,49 %

In mobility Pop. Coverage

93,69 %

nPerf Coverage Score

92,09 %







Geographical Coverage

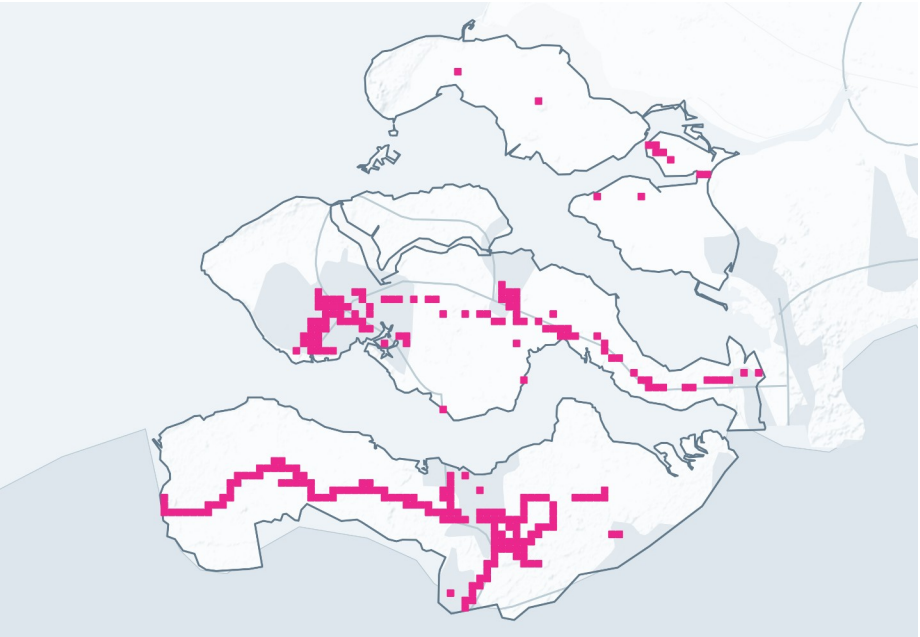
87,73 %

In mobility Pop. Coverage

89,46 %

nPerf Coverage Score

88,59 %





Geographical Coverage

85,89 %

In mobility Pop. Coverage

89,84 %

nPerf Coverage Score

87,86 %

