RIPE Atlas
statistics in Iran and the world

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RIPE Atlas ?

- ▶ RIPE Atlas is a global network of probes that measure Internet connectivity and reachability

RIPE Atlas birthday ?

▶ In November 2010, at RIPE 61 in Rome, new massive active measurement platform was introduced by the RIPE NCC. That meeting marked the official launch of the RIPE Atlas project, and in those very talks, the goal was set to connect 10,000 RIPE Atlas probes.

RIPE Atlas types of hardware

Probe (v1)

Probe (v3)

Anchor (+VM)

RIPE Atlas vision

▶ In August 2017, just short of seven years after RIPE Atlas was launched, the number of connected RIPE Atlas probes hit 10,000.

▶ with the recent growth of the RIPE Atlas network, they are thereby focusing on underrepresented areas of the Internet, both in terms of geography and topology.

▶ RIPE Atlas team thinks we will have attained a good sample base once we represent about 10% of active ASes over the Internet.
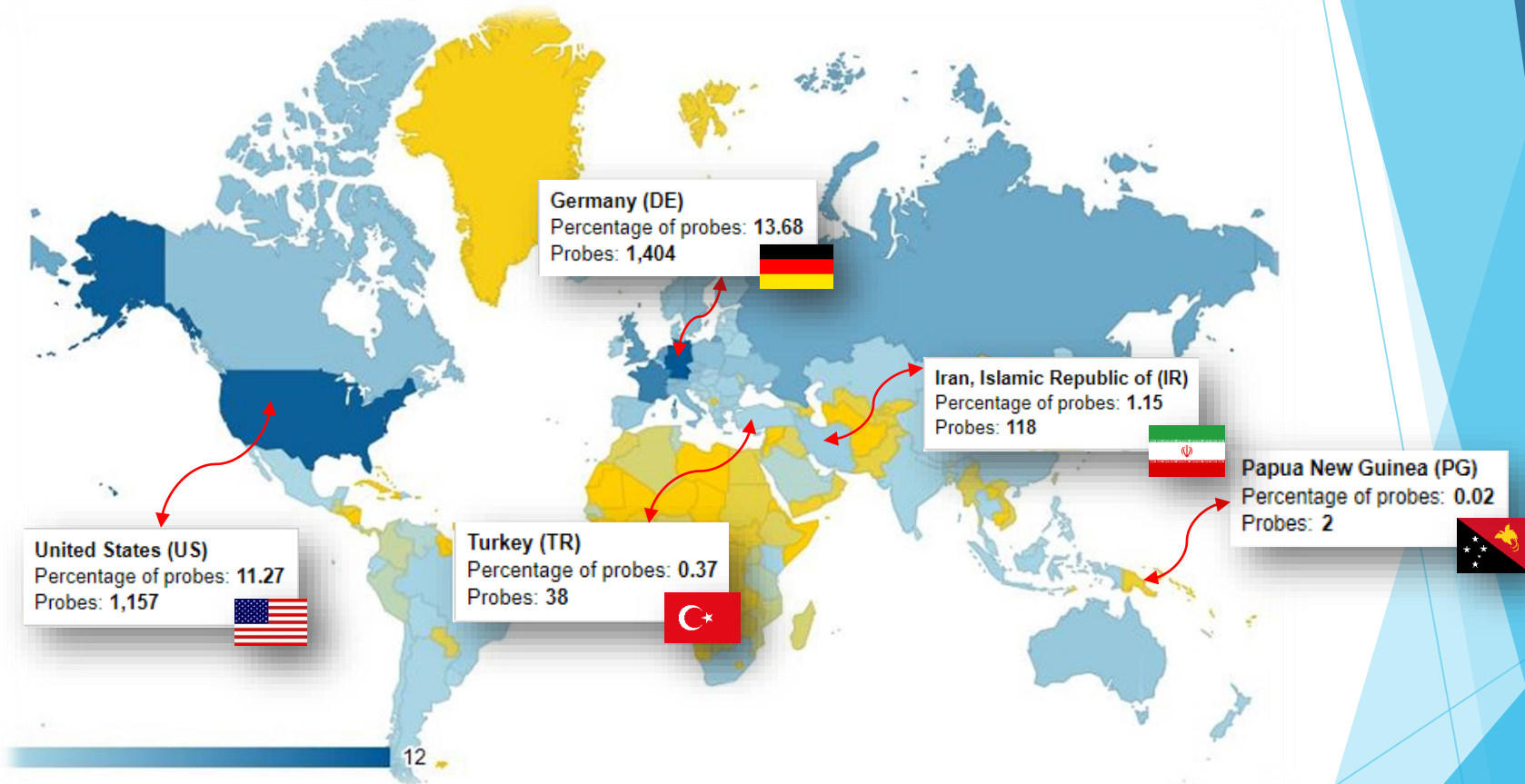
RIPE Atlas Probes Coverage

Probes connected : +10200

RIPE Atlas Anchors Coverage

Anchors connected : 364

Percentage of connected probes per country

Germany (DE)
Percentage of probes: 13.68
Probes: 1,404

Iran, Islamic Republic of (IR)
Percentage of probes: 1.15
Probes: 118

Papua New Guinea (PG)
Percentage of probes: 0.02
Probes: 2

United States (US)
Percentage of probes: 11.27
Probes: 1,157

Turkey (TR)
Percentage of probes: 0.37
Probes: 38

12

Number of countries covered
179 (91.327%)

IRNOG

Top ASNs and Prefixes in terms of coverage

ASN	Probes	Country
7922 (Comcast)	349	United States
3320 (Deutsche Telekom)	341	Germany
6830 (Liberty Global)	305	Austria
3215 (Orange S.A.)	218	France
12322 (PROXAD – Free SAS)	200	France

Prefix	Probes	Country
73.0.0.0/8 (Comcast)	134	United States
79.192.0.0/10 (Deutsche Telekom)	70	Germany
87.128.0.0/10 (Deutsche Telekom)	53	Germany
84.128.0.0/10 (Deutsche Telekom)	52	Germany
78.192.0.0/11 (PROXAD – Free SAS)	46	France

Top 10 countries in terms of coverage

Country	Probes
Germany	1402
United States	1161
France	843
United Kingdom	594
Netherlands	535
Russia	461
Italy	289
Switzerland	273
Czechia	257
Poland	229

Users growth

Number of users with a RIPE Access account that have visited RIPE Atlas
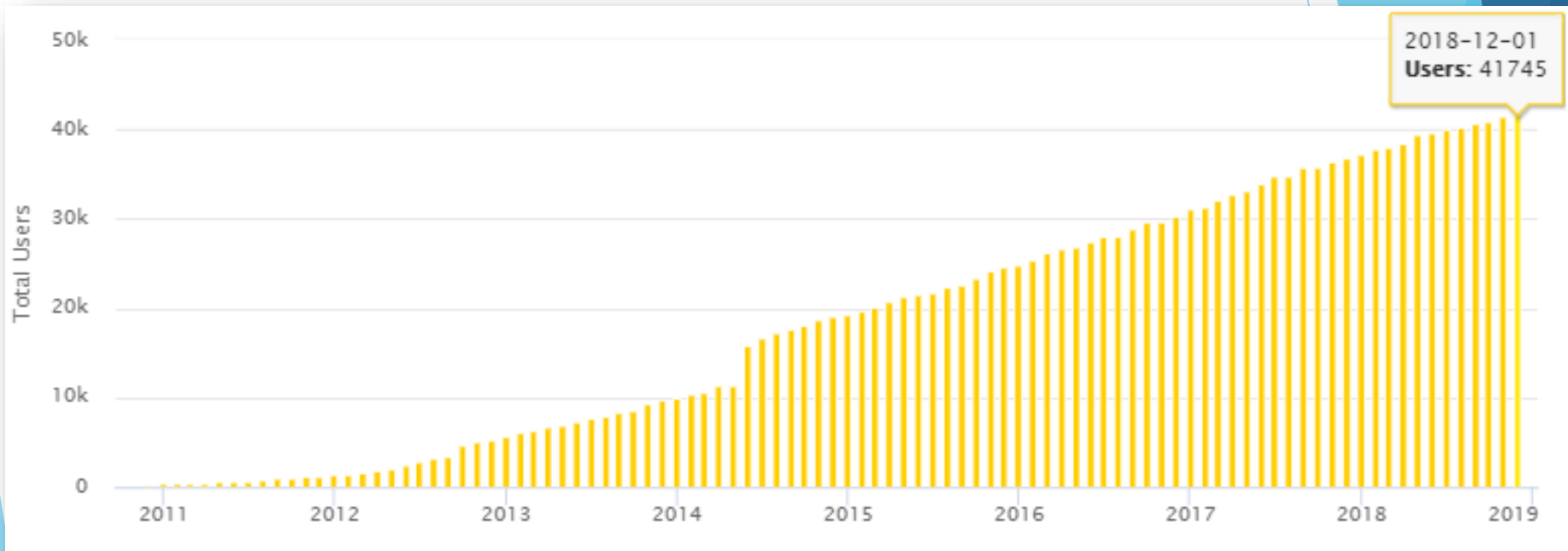
Probes growth

The number of connected probes
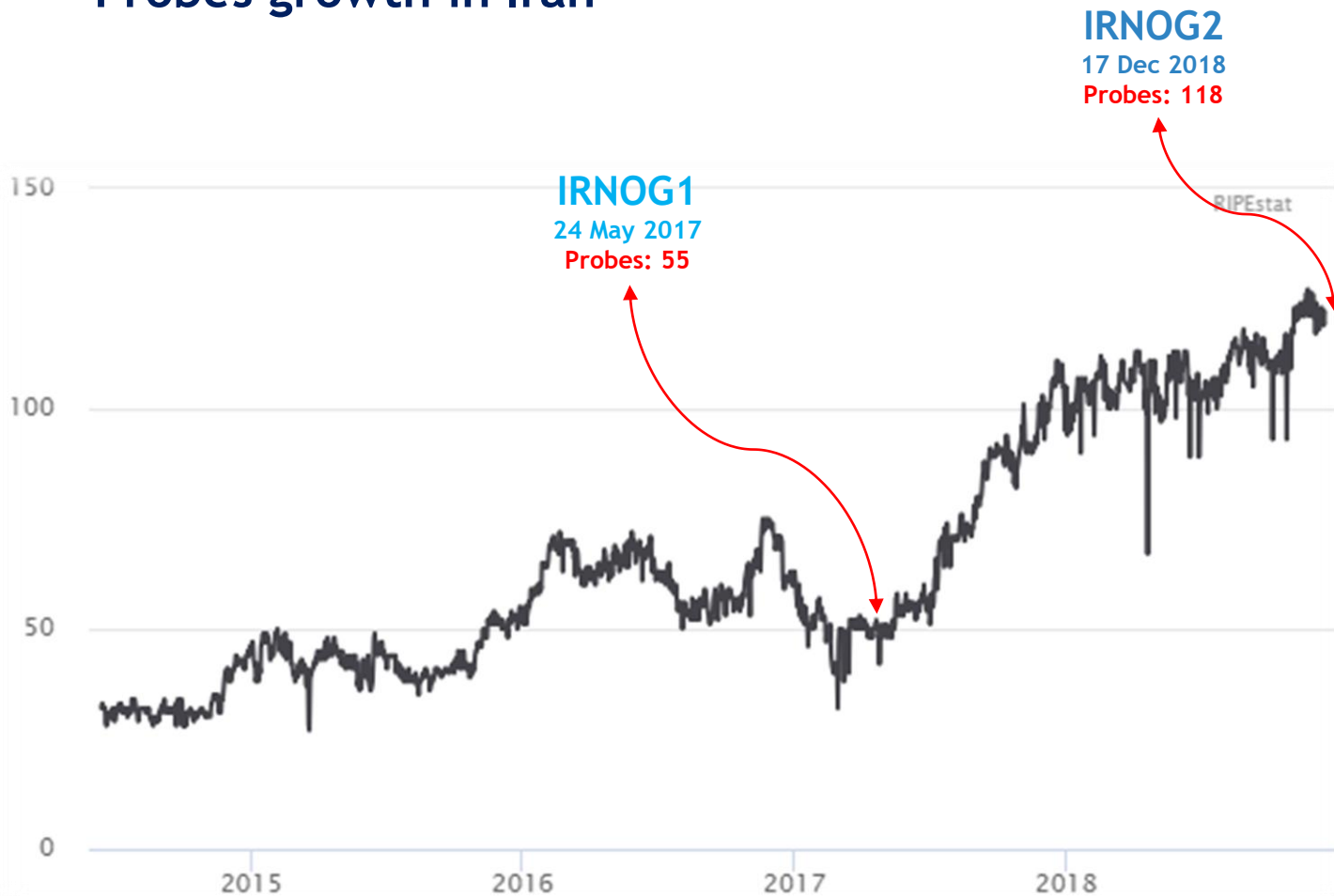
IPv4 ASNs covered 3547 (5.645%)

IPv6 ASNs covered 1465 (9.004%)
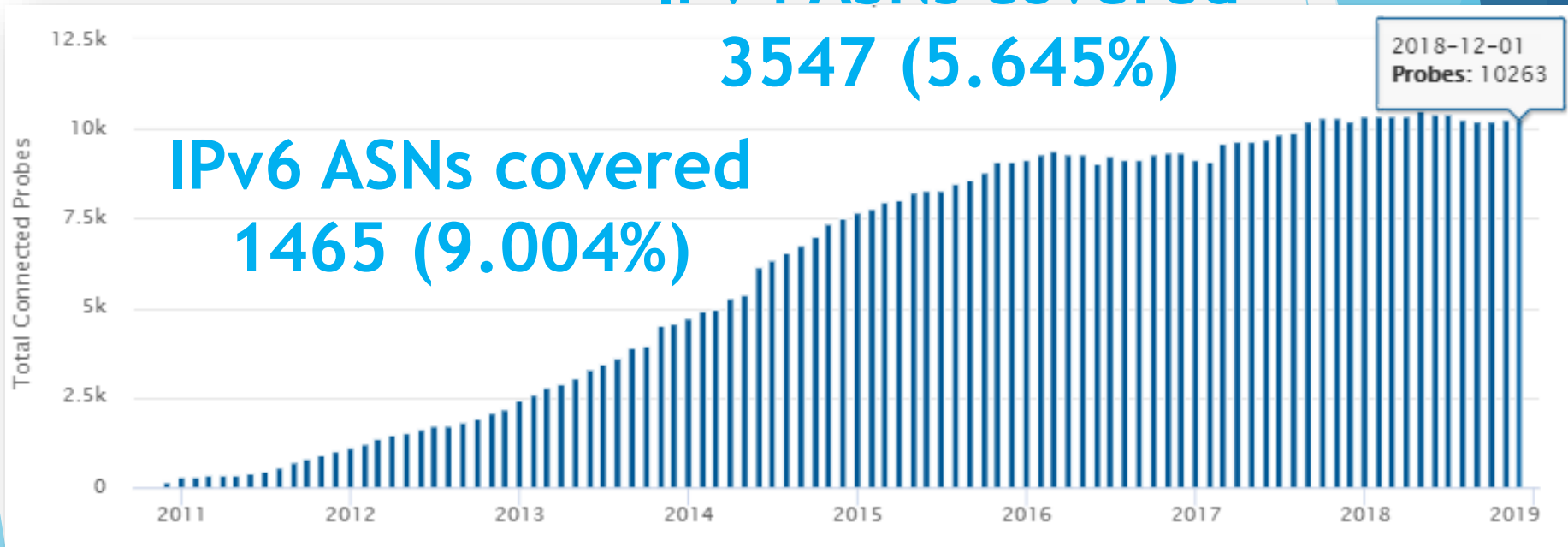
Anchors growth

Growth in number of RIPE Atlas anchors over time

Probes growth in Iran

IRNOG2
17 Dec 2018
Probes: 118

IRNOG1
24 May 2017
Probes: 55

RIPEstat
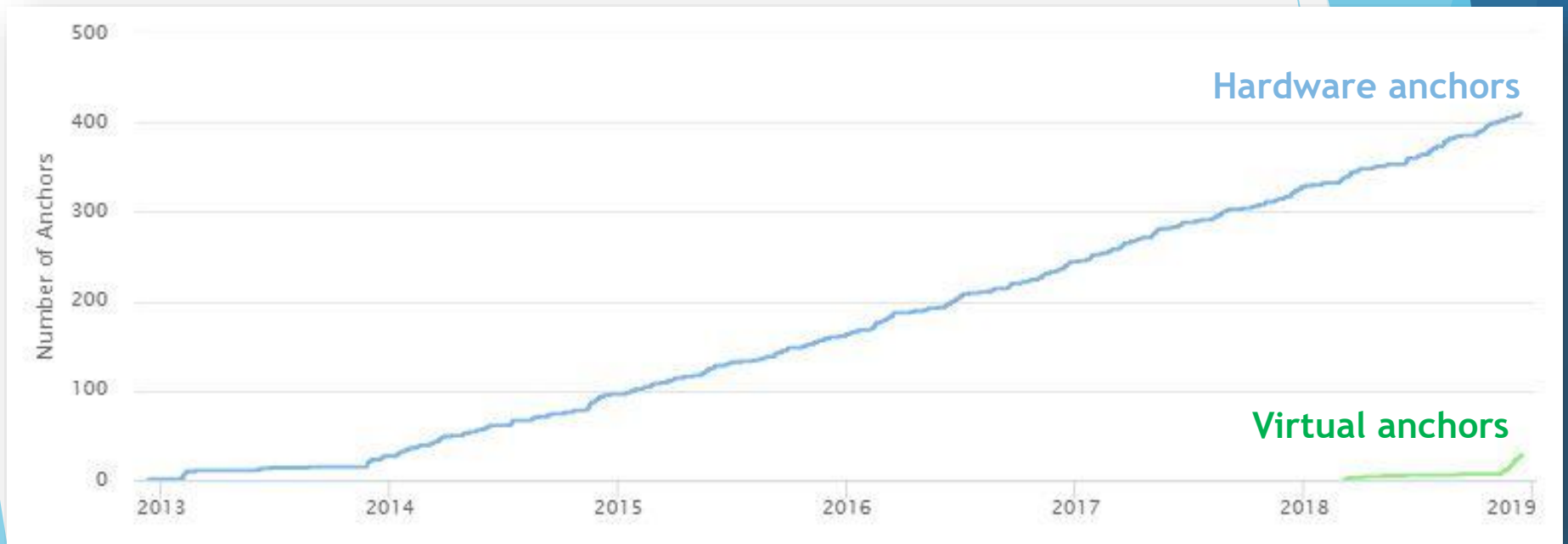
Top ASNs in Iran in terms of coverage

ASN	Probes
58224 (TCI)	27
43754 (Asiatech Data Transfer)	14
31549 (Aria Shatel)	7
49100 (Pishgaman Toseeh)	6
16322 (PARSONLINE)	6

FCP Networks without any online probes in Iran

ASN

39501 (Neda Gostar Saba)

34636 (Laser)

25184 (AFRANET)

49103 (ASRETELECOM)

48903 (MEHRFCP)

41881 (Fanava Group)

Measurements currently running

	Built-in	User-defined			
		Total UDM	Anchoring	DNSMON	Other
Ping	41	6063	1569	0	4494
Traceroute	45	5370	1571	872	2927
DNS	158	5834	1	3488	2345
SSL/TLS Certificate	4	297	0	0	297
NTP	0	72	0	0	72
HTTP	4	1626	1570	0	56
WiFi	0	14	0	0	14

Total Measurements running

19578

Big Credit Spenders in last month

User	Credits Spent
Namserver Team A.	127.5 million
PEERING R. T.	109.4 million
Jeslin J.	64.5 million
Verizon Digital Media S.	44.0 million
Grzegorz P. A.	33.1 million
Rachee S.	32.5 million
AO K.	29.6 million
Italo C.	23.8 million
LeaseWeb N.	19.7 million
Domain I. G.	18.3 million
Jeganath A.	17.7 million
Rami A.	16.2 million
Monitor C.	14.9 million
Jason R.	14.5 million
Brendan C.	14.3 million
Gilles i.	12.6 million
Noc G.	11.8 million
Andreas B.	11.3 million
Development L. N. A.	11.3 million
Comcast R.	10.8 million
Asiatech C.	10.7 million
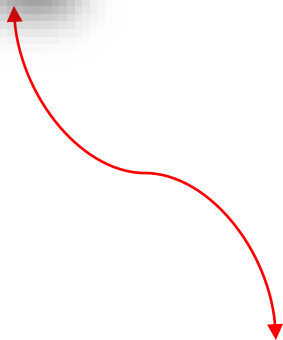
Top 20 probes showing the most results per month

Probe		Results
Datacenter RZHAS	🇩🇪	3,085,729
matrixelement	🇩🇪	2,819,455
Labor für Digitalisierung, OTH Regensburg	🇩🇪	2,210,069
RETE Sokolov	🇨🇿	1,772,618
Home - AS39761	🇨🇿	1,642,356
Telia Öppen Fiber - Tanumshede	🇸🇪	1,535,378
dus-sp17	🇩🇪	1,496,756
Probe 31651	🇩🇪	1,449,358
Plochingen via AS3320	🇩🇪	1,349,239
Antony's #2	🇳🇱	1,348,429
Probe 22123	🇩🇪	1,322,943
Probe 33587	🇫🇷	1,277,638
Moowsje#15761	🇳🇱	1,276,125
jvm	🇳🇱	1,274,752
solignac	🇫🇷	1,251,424
44net @ Florida HamWan	🇺🇸	1,245,923
Probe 21991	🇫🇷	1,245,658
AS3320@Home VDSL 50/10 IPv4+IPv6	🇩🇪	1,222,332
Giganet Probe	🇭🇺	1,221,205
Probe 32064	🇩🇪	1,218,983

Thank you!