



**RIPE
NCC**

Two Years After World IPv6 Launch: Are We There Yet?

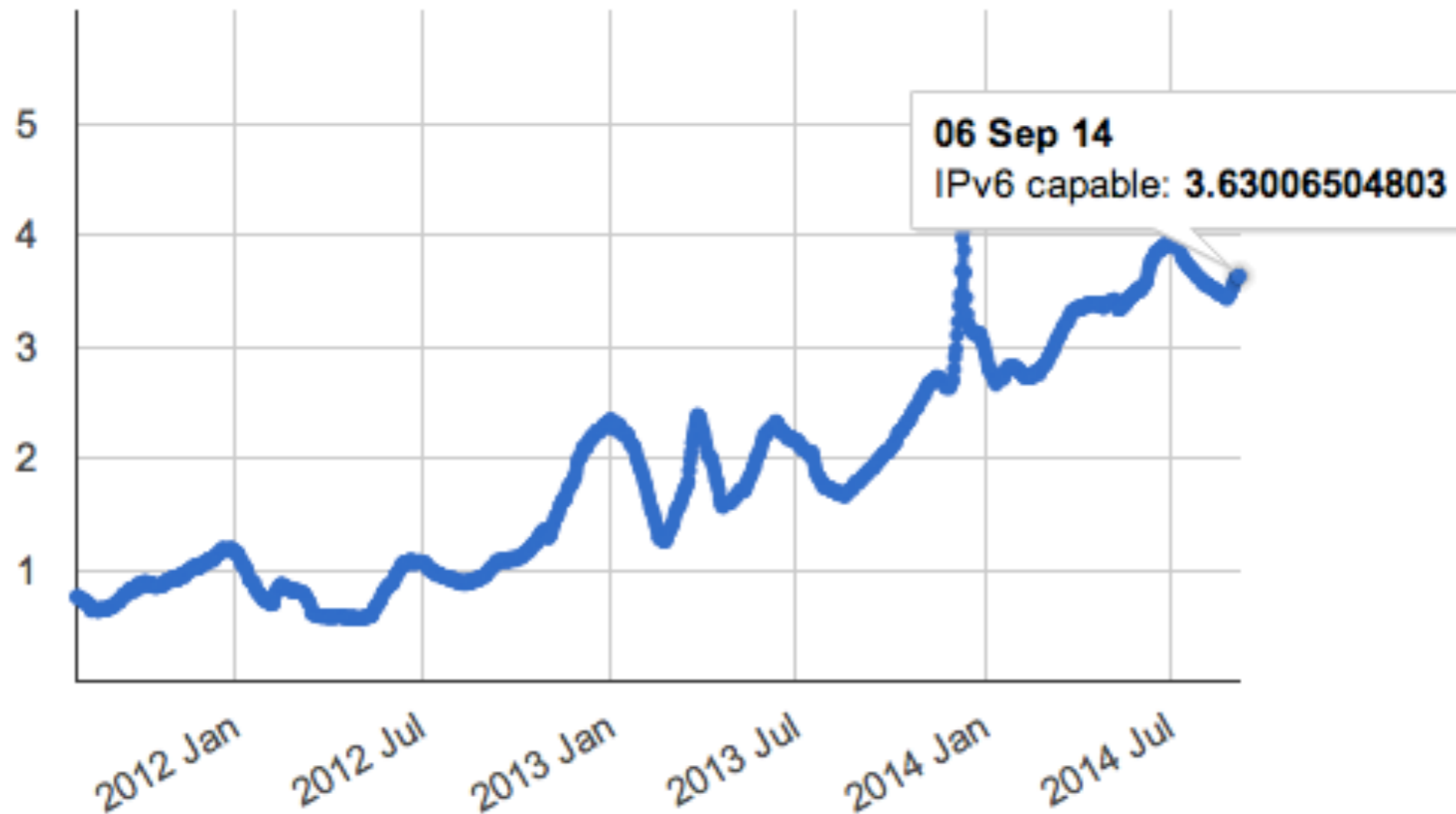
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- **Was already 824 days ago!**

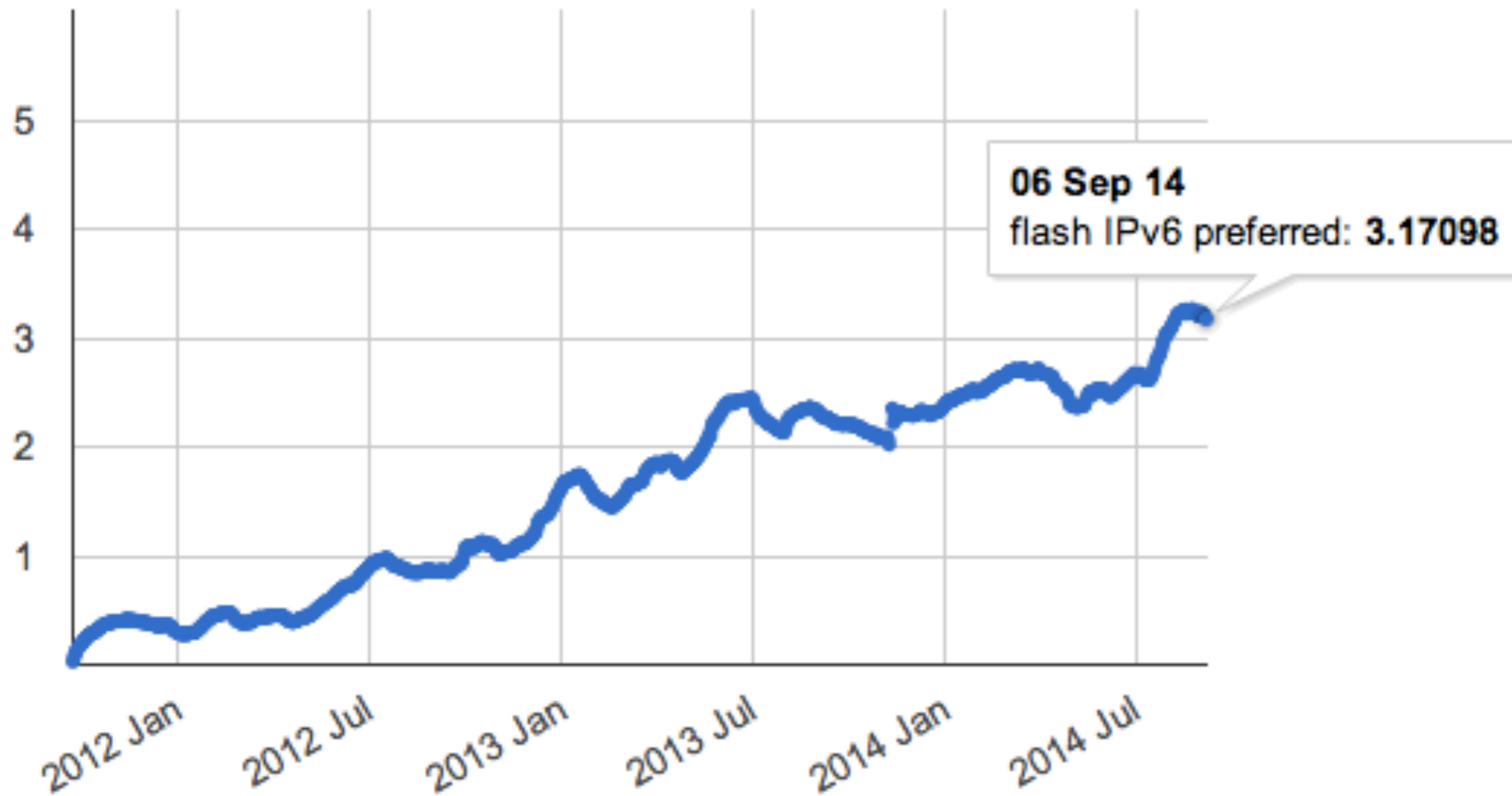
- **What has changed in the past two years?**
- **Who is deploying IPv6?**
- **Where are they?**
- **What have we seen?**

IPv6 Preference by Month

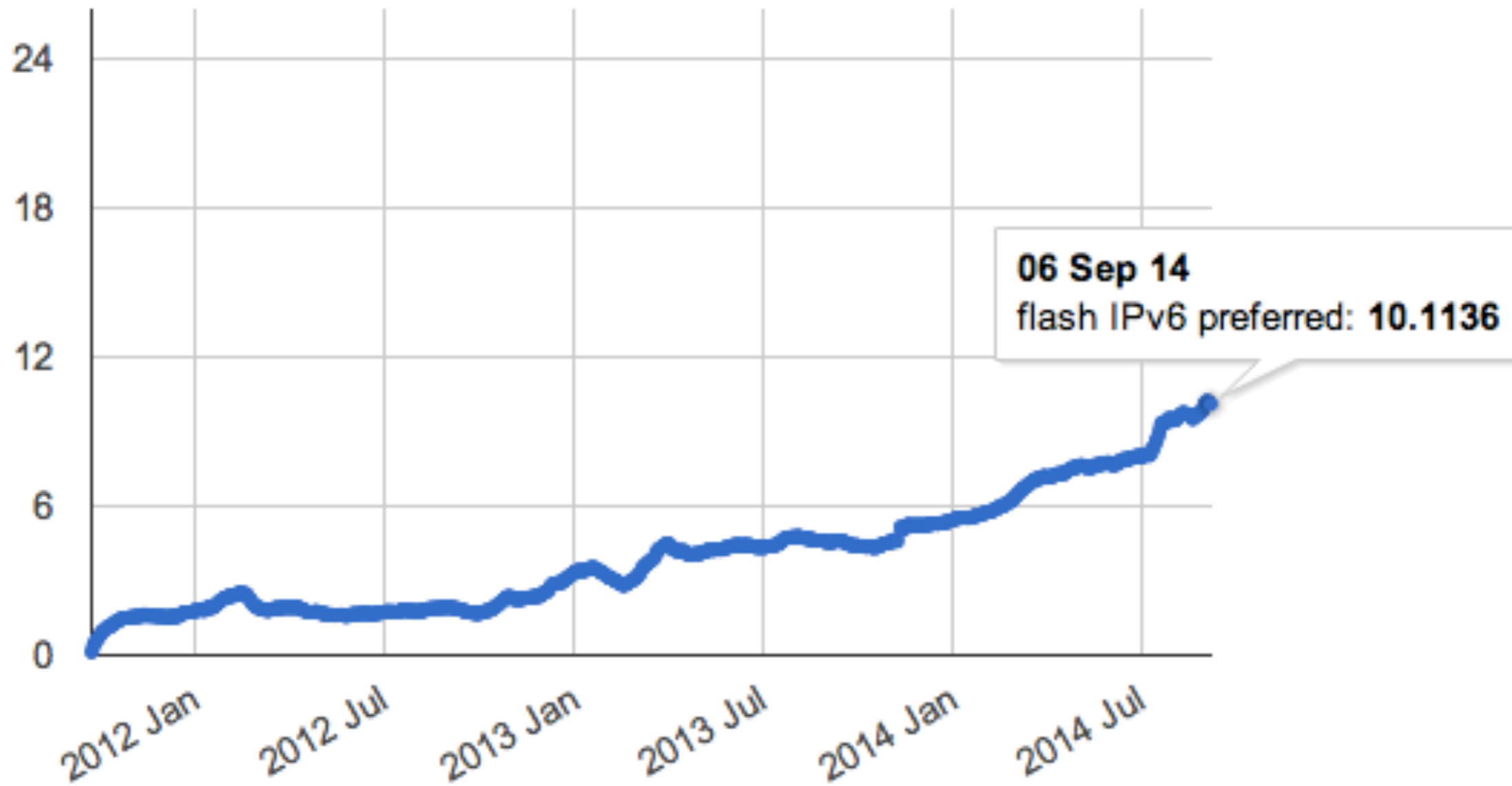


labs.apnic.net/ipv6-measurement

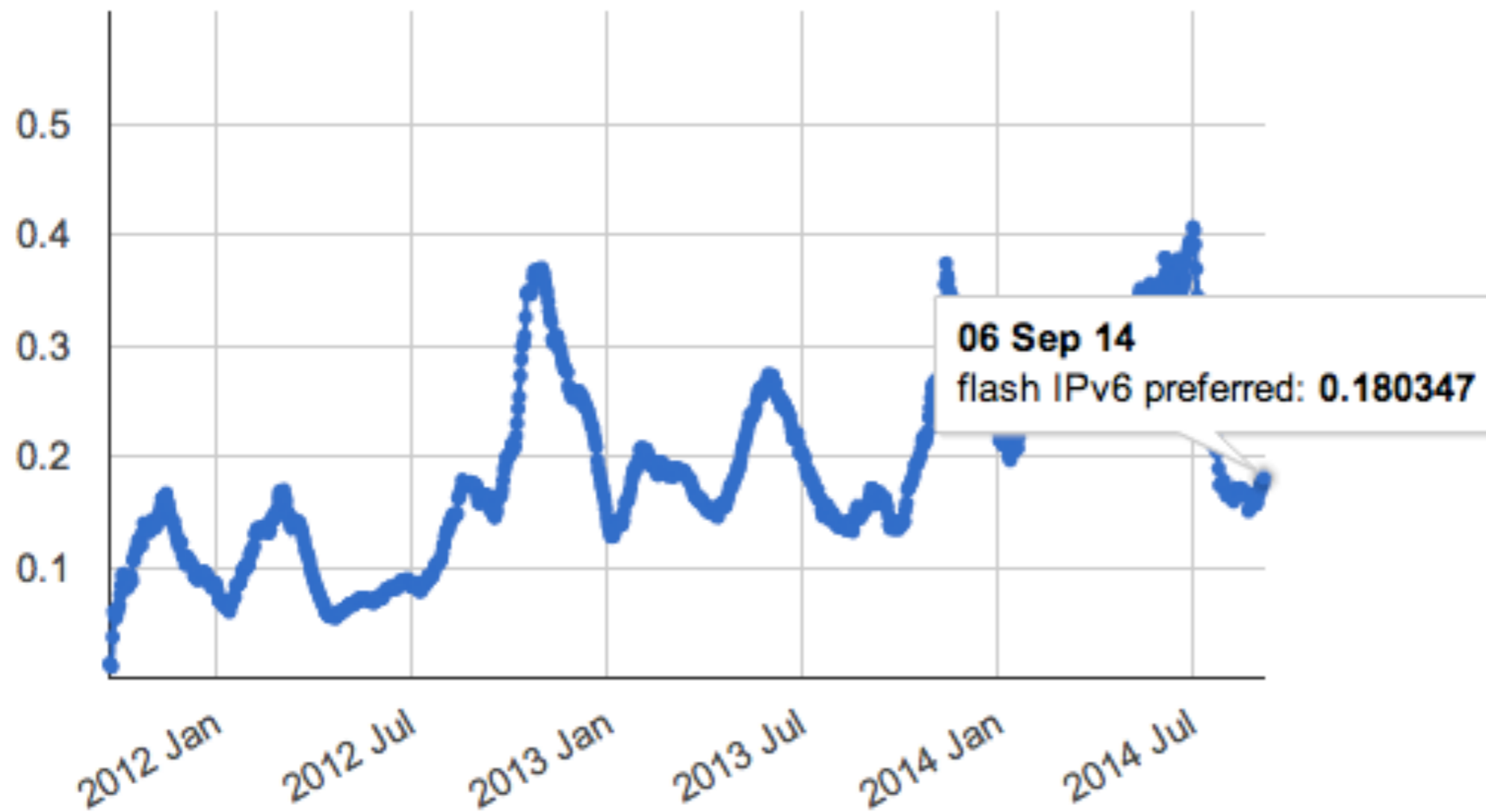
IPv6 Preference by Month



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IPv6 Preference by Month

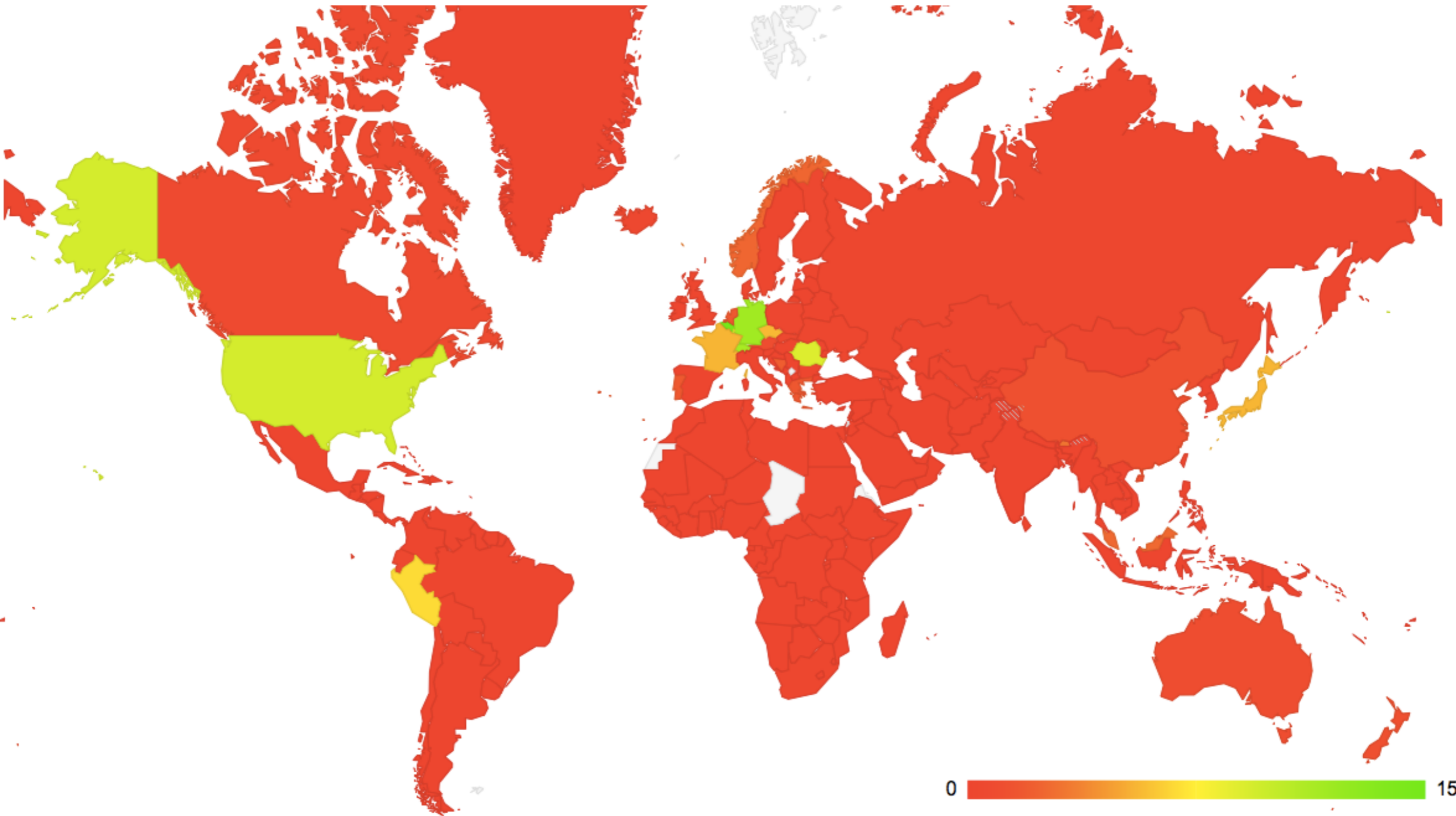


- **IPv6 did not happen everywhere**
- **Some economies have been very active in terms of IPv6 deployment**
- **Lets look at this on a country-by-country basis...**

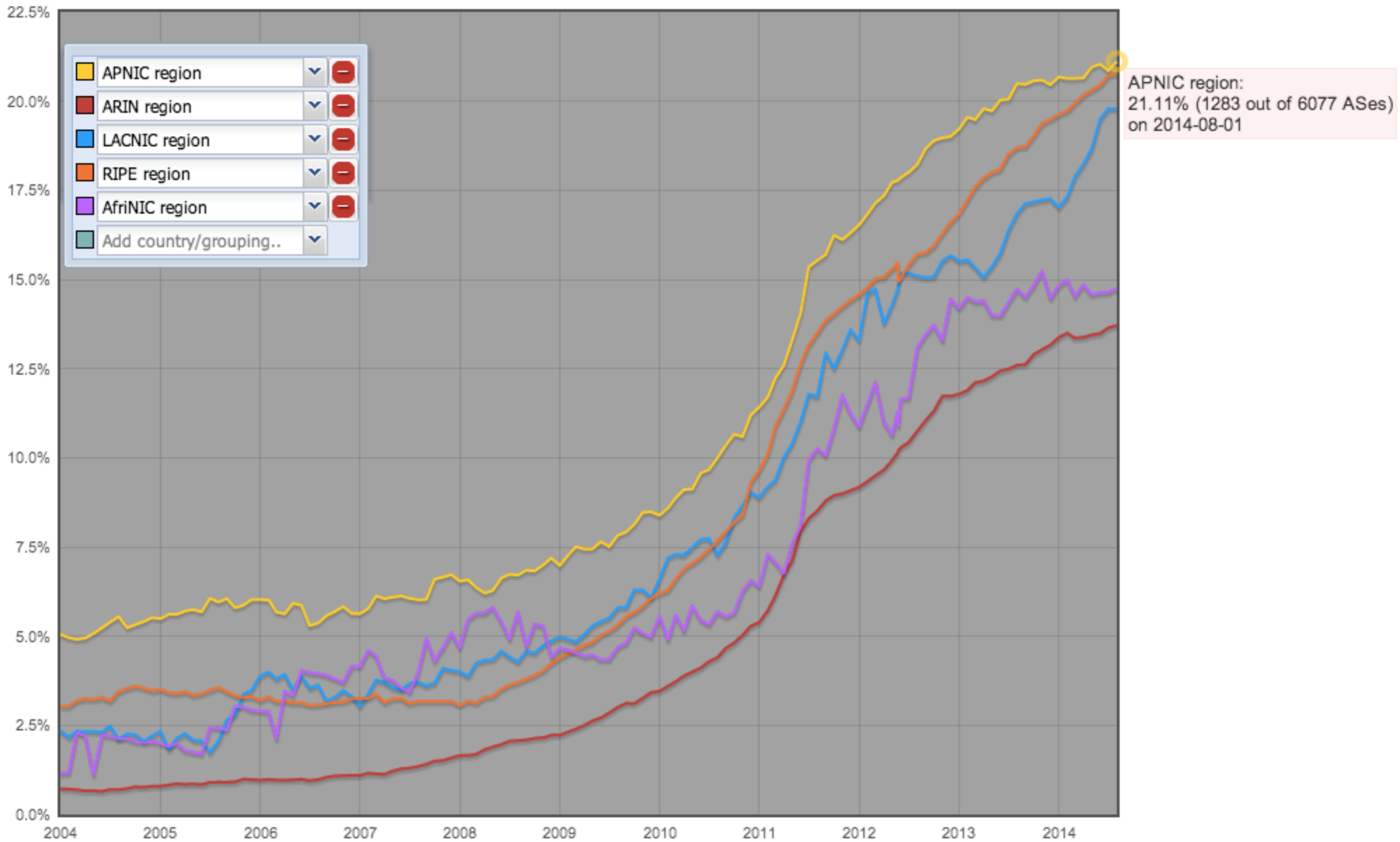
World rankings by IPv6 Preference

Economy	v6pref ▼	3month avg hits/month
BE	29.72%	24139
LU	14.93%	1778
CH	13.59%	10268
DE	12.54%	82329
US	10.35%	400273
RO	9.41%	215358
FR	8.11%	235390
CZ	7.53%	52865
PE	7.18%	214384
SG	5.68%	17007
JP	5.08%	105756

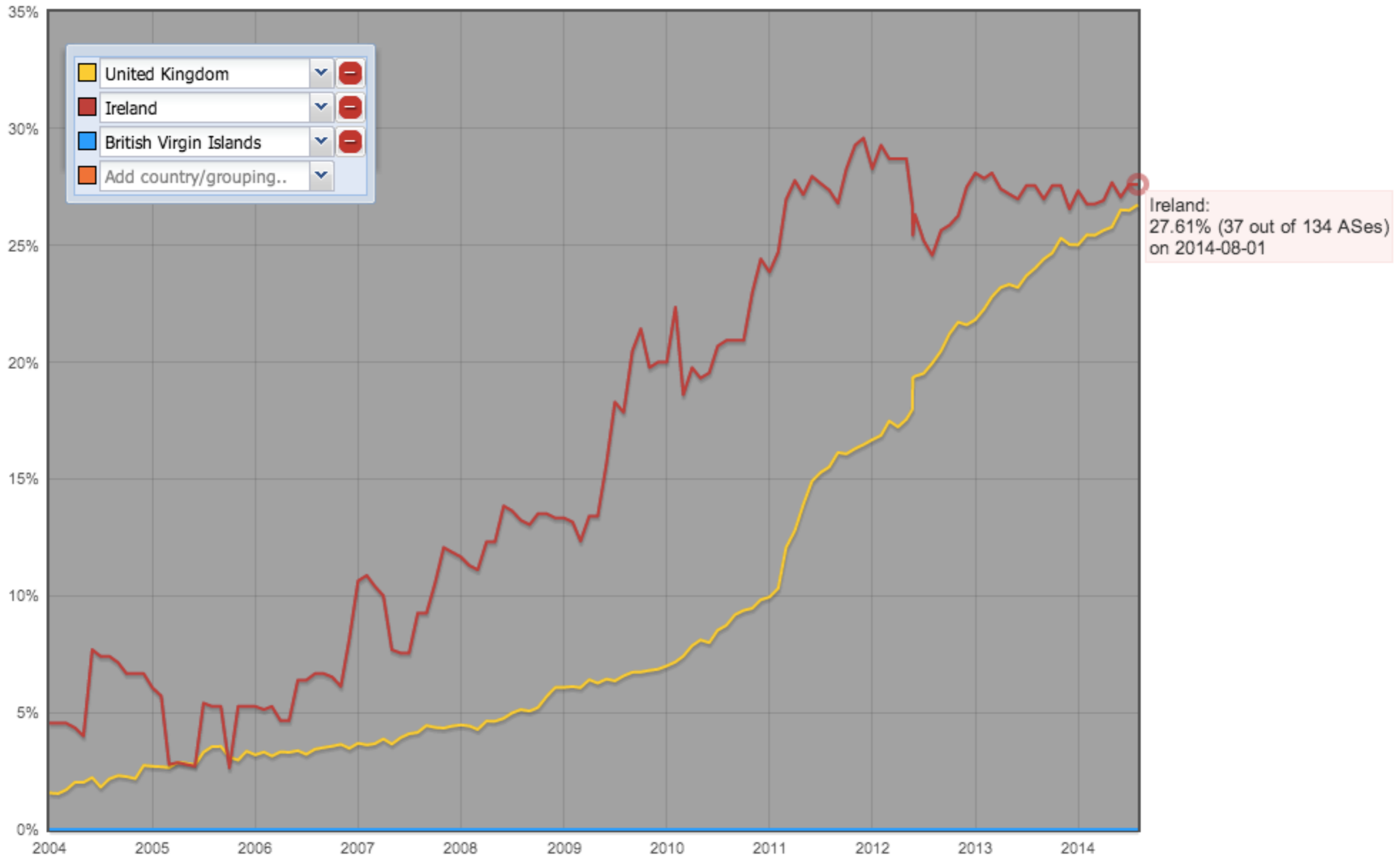
GB is on place 40



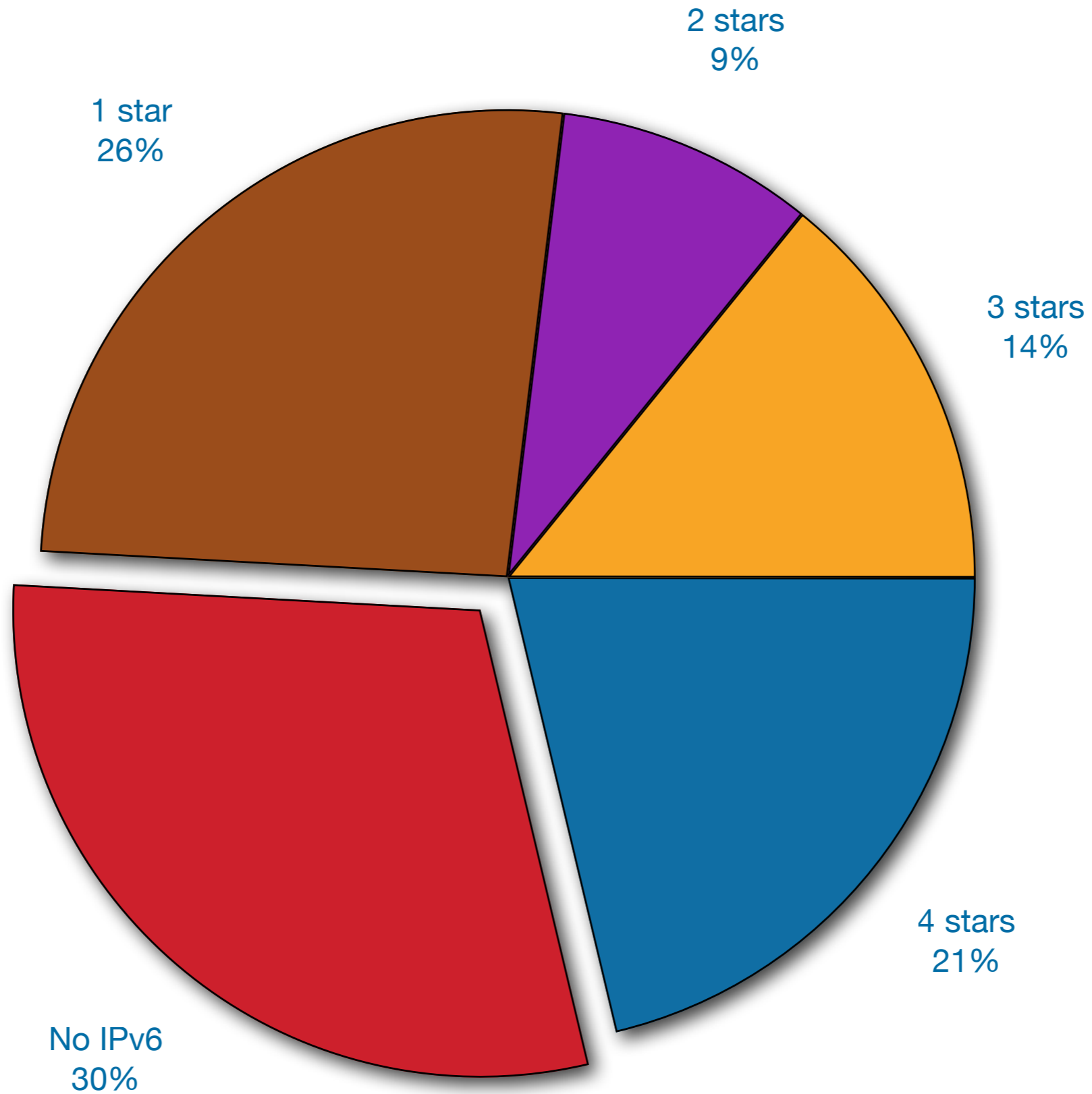
Looking at ASNs

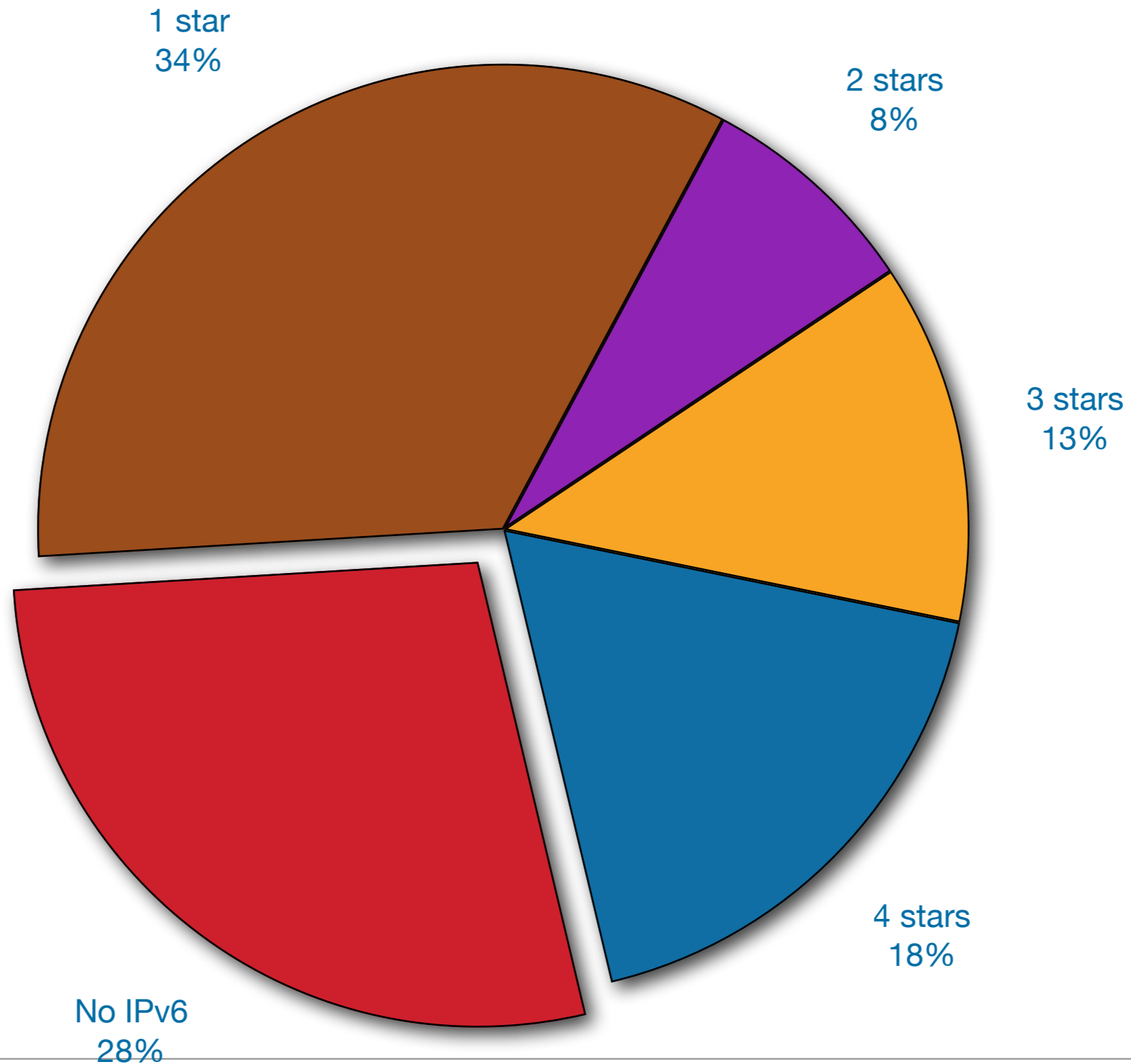












ASNs in the region..



ASN	AS Name	IPv6 Capable	IPv6 Preferred	Samples
AS20712	AS20712 Andrews and Arnold Ltd	40.00%	34.55%	55
AS15830	TELECITY-LON TELECITYGROUP INTERNATIONAL LIMITED	17.10%	16.63%	427
AS15412	FLAG-AS Flag Telecom Global Internet AS	6.71%	6.71%	149
AS786	JANET JISC Collections And Janet Limited	6.05%	5.81%	3372
AS42689	CABLECOM-AS Cablecom Networking Limited	3.95%	4.35%	735
AS31708	COREIX-UK-AS Coreix Limited	2.00%	2.00%	50
AS25577	C4L-AS Connexions4London Ltd	2.00%	2.00%	50
AS29550	SIMPLYTRANSIT Simply Transit Ltd	1.89%	1.89%	53
AS42831	UKSERVERS-AS UK Dedicated Servers Limited	1.75%	0.00%	57
AS8468	ENTANET ENTANET International Limited	1.63%	1.31%	306
AS35017	SWIFTWAY-AS Swiftway Sp. z o.o.	1.61%	0.00%	62
AS2818	BBC BBC Internet Services, UK	1.43%	1.43%	70
AS29302	HSI-EUROPE Hosting Services Inc	1.18%	0.88%	339
AS39326	GOSCOMB-AS Goscomb Technologies Limited	1.16%	1.16%	86
AS8426	CLARANET-AS ClaraNET LTD	1.08%	0.54%	370
AS20860	IOMART-AS Iomart	1.02%	0.00%	196
AS251	KAIAGLOBAL-AS Kaia Global Networks Ltd.	0.99%	0.33%	302
AS13213	UK2NET-AS UK2 - Ltd	0.34%	0.17%	587
AS13037	ZEN-AS Zen Internet Ltd	0.31%	0.31%	642
AS4589	EASYNET Easynet Global Services	0.24%	0.24%	423
AS25180	EXPONENTIAL-E-AS Exponential-e Ltd	0.23%	0.23%	444
AS21321	ARETI-AS Areti Internet Ltd.	0.21%	0.03%	2914
AS6871	PLUSNET PlusNet PLC	0.20%	0.20%	4518
AS35662	REDSTATION Redstation Limited	0.09%	0.09%	3283
AS8220	COLT COLT Technology Services Group Limited	0.06%	0.00%	3148
AS5607	BSKYB-BROADBAND-AS British Sky Broadcasting Limited	0.04%	0.04%	31347

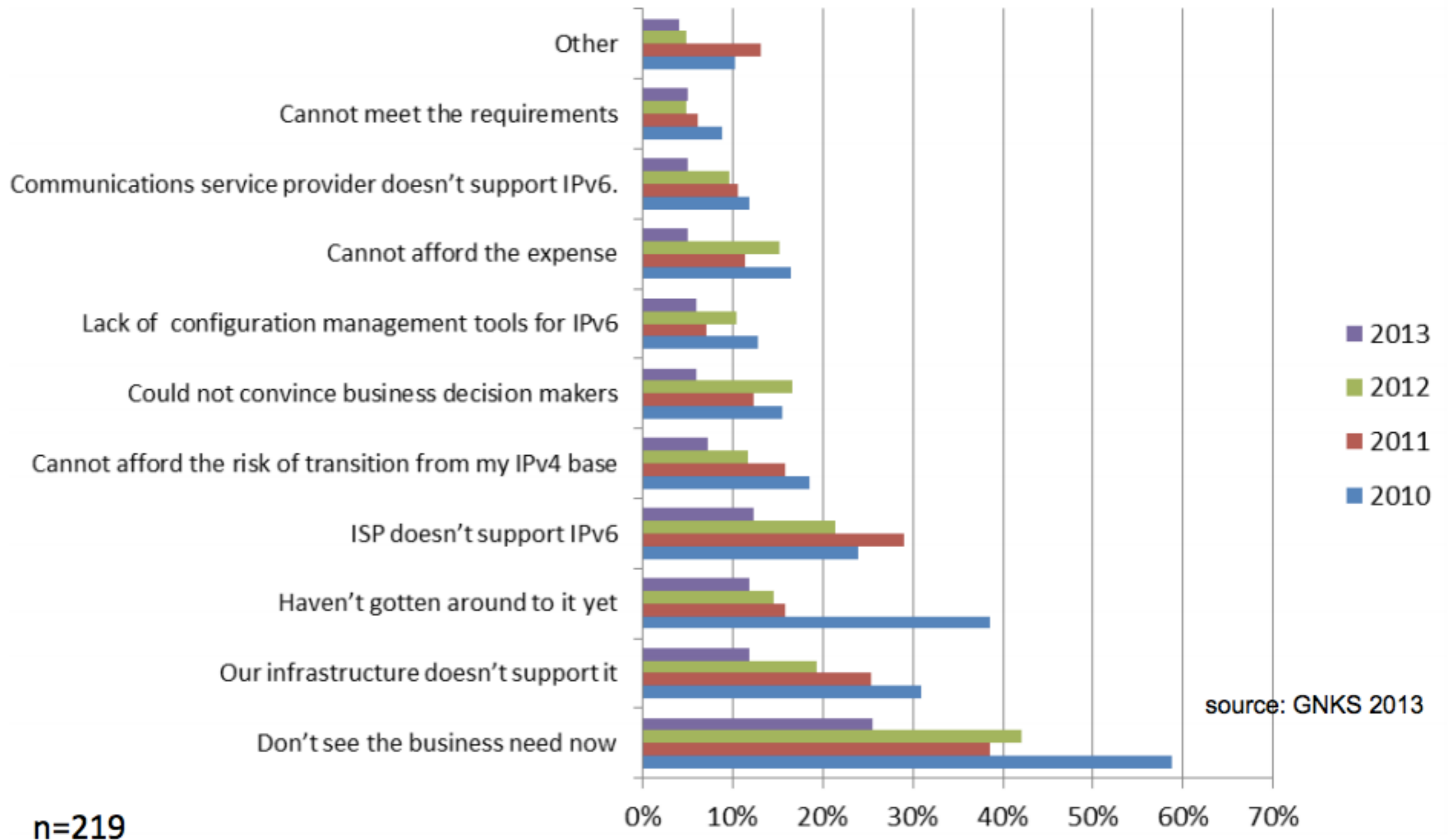




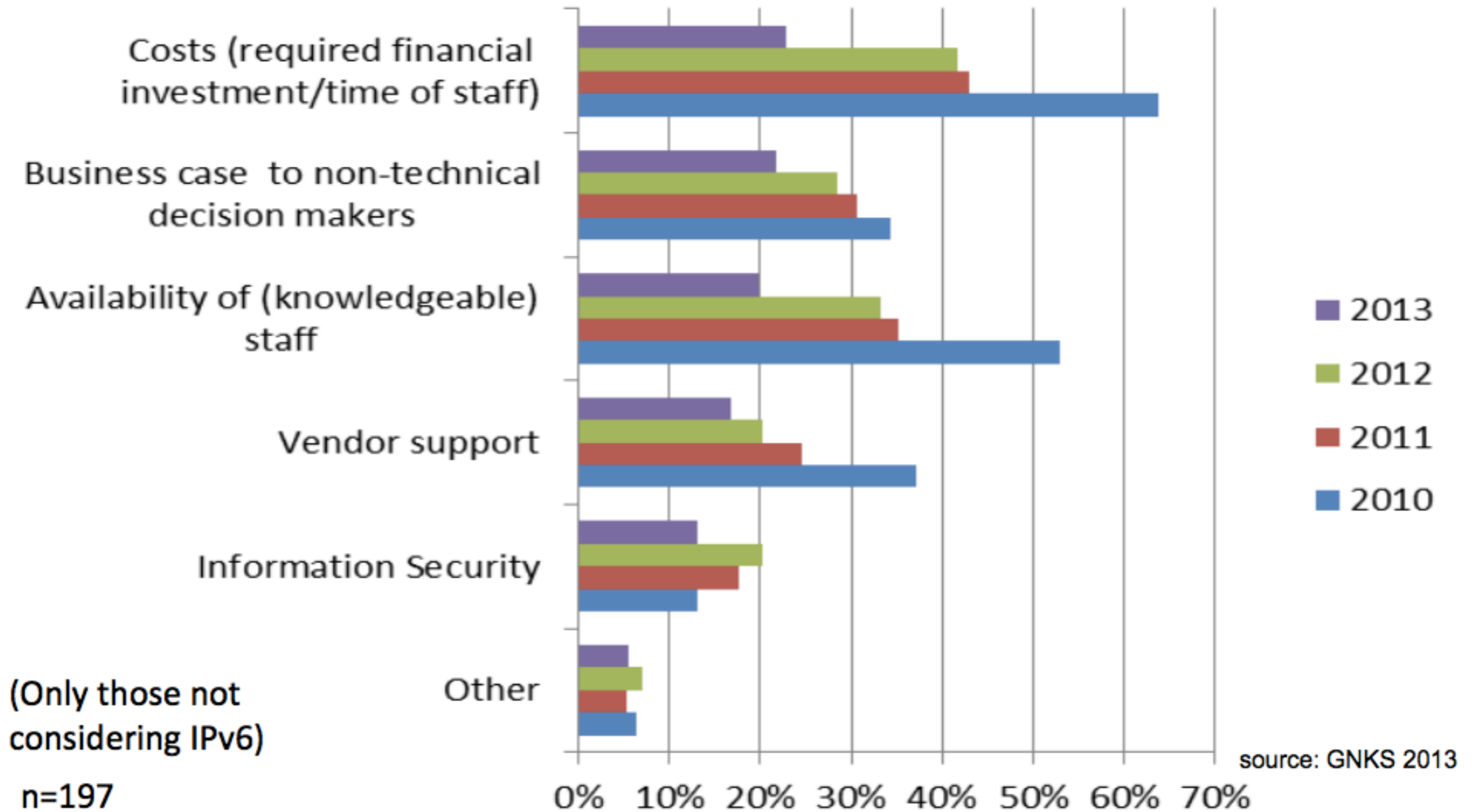
Rank	Country	Sample	Green (%)
1	 Libya	50	62.0% (31)
2	 Azerbaijan	50	46.0% (23)
3	 Vietnam	50	44.0% (22)
4	 Nigeria	50	42.0% (21)
5	 Armenia	50	42.0% (21)
6	 Tunisia	50	38.0% (19)
7	 Sweden	50	38.0% (19)
8	 Russia	50	38.0% (19)
9	 Iceland	50	36.0% (18)
10	 Taiwan	50	36.0% (18)

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<https://www.vyncke.org/ipv6status/>



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- **Large network operators are rolling out IPv6, and make significant differences**
- **A lot of organisations still don't see the business case**
- **You can use external services to enable IPv6**
- **Training is still very much needed (!)**

