



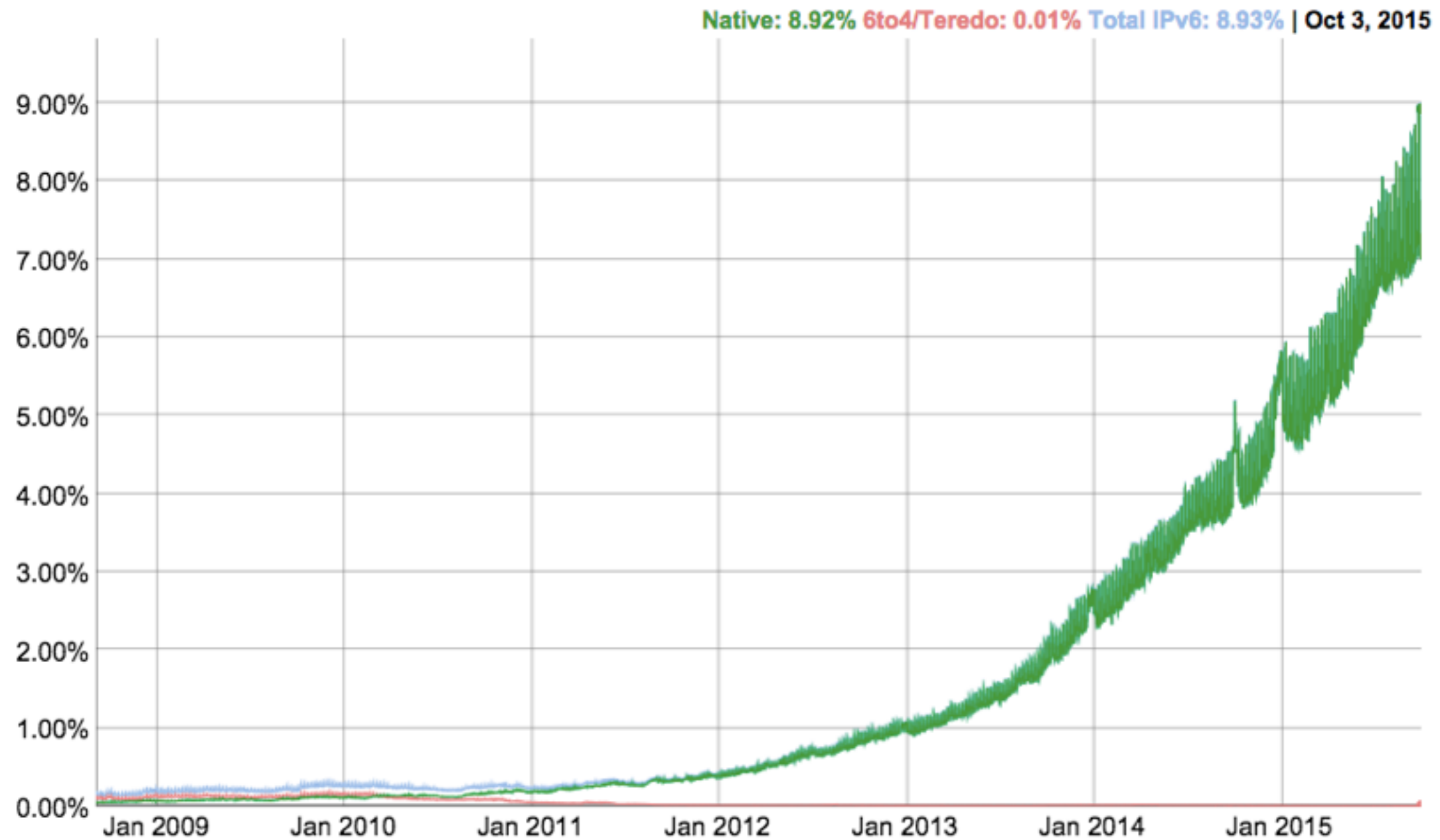
**RIPE**  
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## IPv6 News

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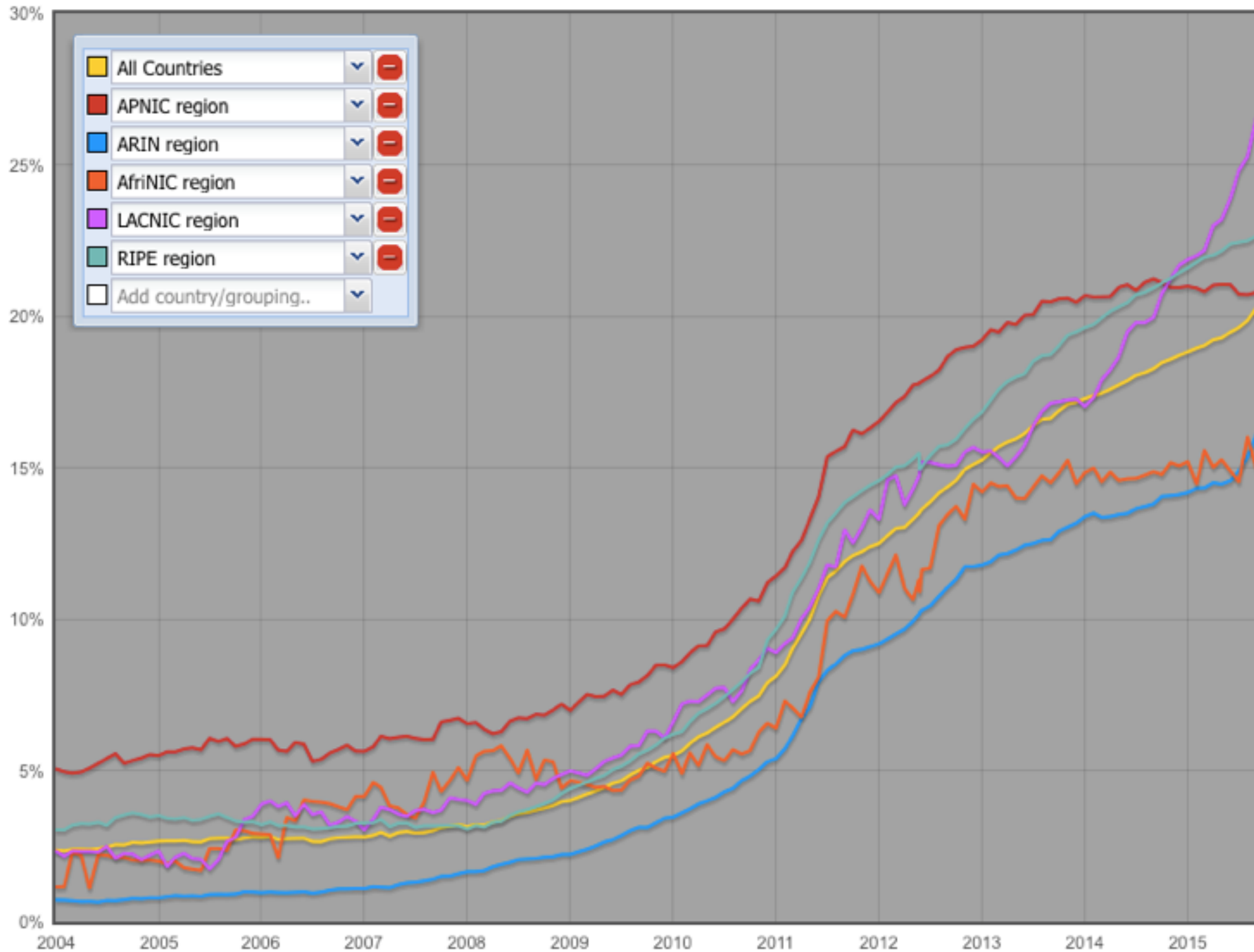
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- IPv6 is reaching end-users



- **“IPv4 depletion was the main reason for our IPv6 deployment”** -Large provider, Belgium
- **“IPv6 was a business continuity decision”** -Large web shop
- **“All apps submitted to the App Store must support IPv6 starting in early 2016”** -Apple
- **“IPv6 is important for us as we pursue our mission of helping the world connect and share online.”**  
-Facebook

# Where do people implement IPv6?

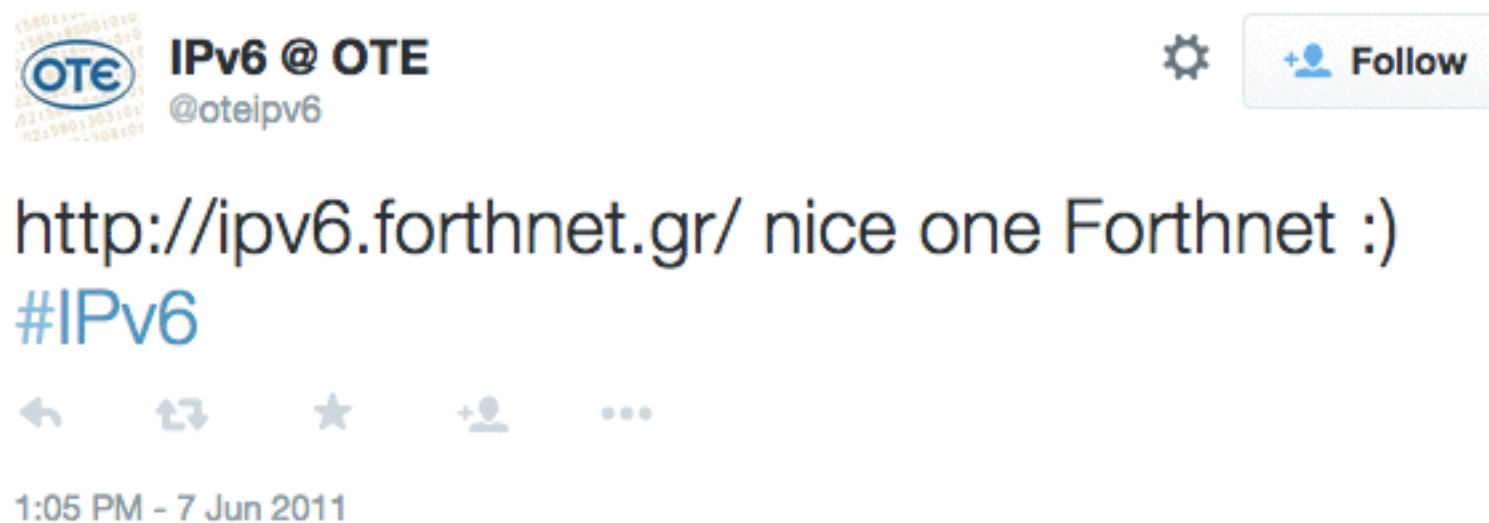


Source: <http://v6asns.ripe.net>

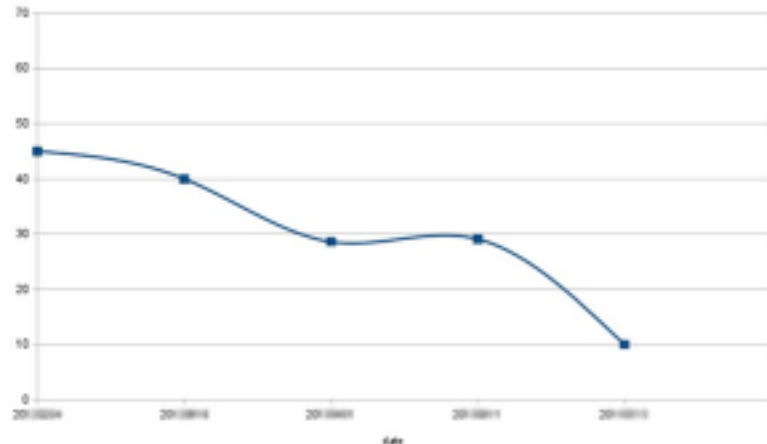
Rank	IPv6 %	Country
1	34.9%	Belgium
2	19.8%	Switzerland
3	18.3%	United States of America
4	17.3%	Peru
5	16.9%	Germany
6	15.6%	Portugal
7	14.1%	Luxembourg
8	13.8%	Greece
9	10.0%	Estonia
10	8.6%	Czech Republic

Source: <https://www.stateoftheinternet.com>

- 13% End user growth in the last 12 months
- Mostly OTEnet and Forthnet
  - 2 largest ISPs in Greece
  - National competitiveness



- **IPv4 shortage is a direct threat**



- **They dismantled their IPv6 Taskforce in April 2015**
  - But started GRNOG
  - IPv6 Presentations by OTE and Forthnet
    - <https://www.grnet.gr/en/node/506>

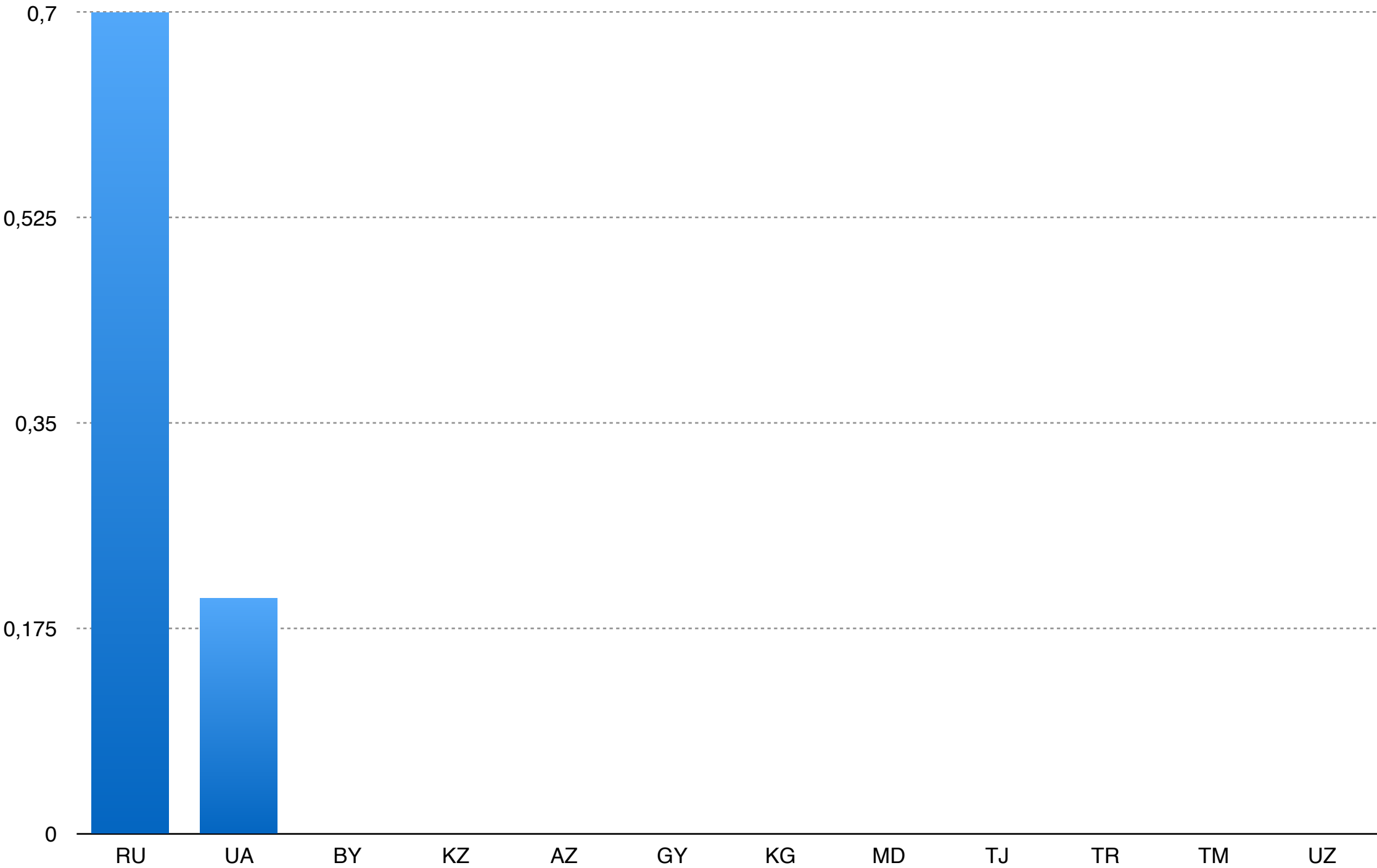


- Actually only 3 parties have IPv6

Economy	ASN	AutNum	AS Name	# samples	v6 capable ▼	v6 preferred
EE	3249	ESTPAK	AS Eesti Telekom	35614	14.00%	13.62%
EE	3221	EENET-AS	Hariduse Infotehnoloogia Sihtasutus	1428	6.86%	6.72%
EE	39823	COMPIC	Compic Ltd.	175	1.14%	1.14%

- Rapid growth, from 0 to 5% end users in 4 weeks
- Eesti Telecom prepared for a long time and then “switched it on”
- Combined replacement of BNG platform with IPv6 rollout.

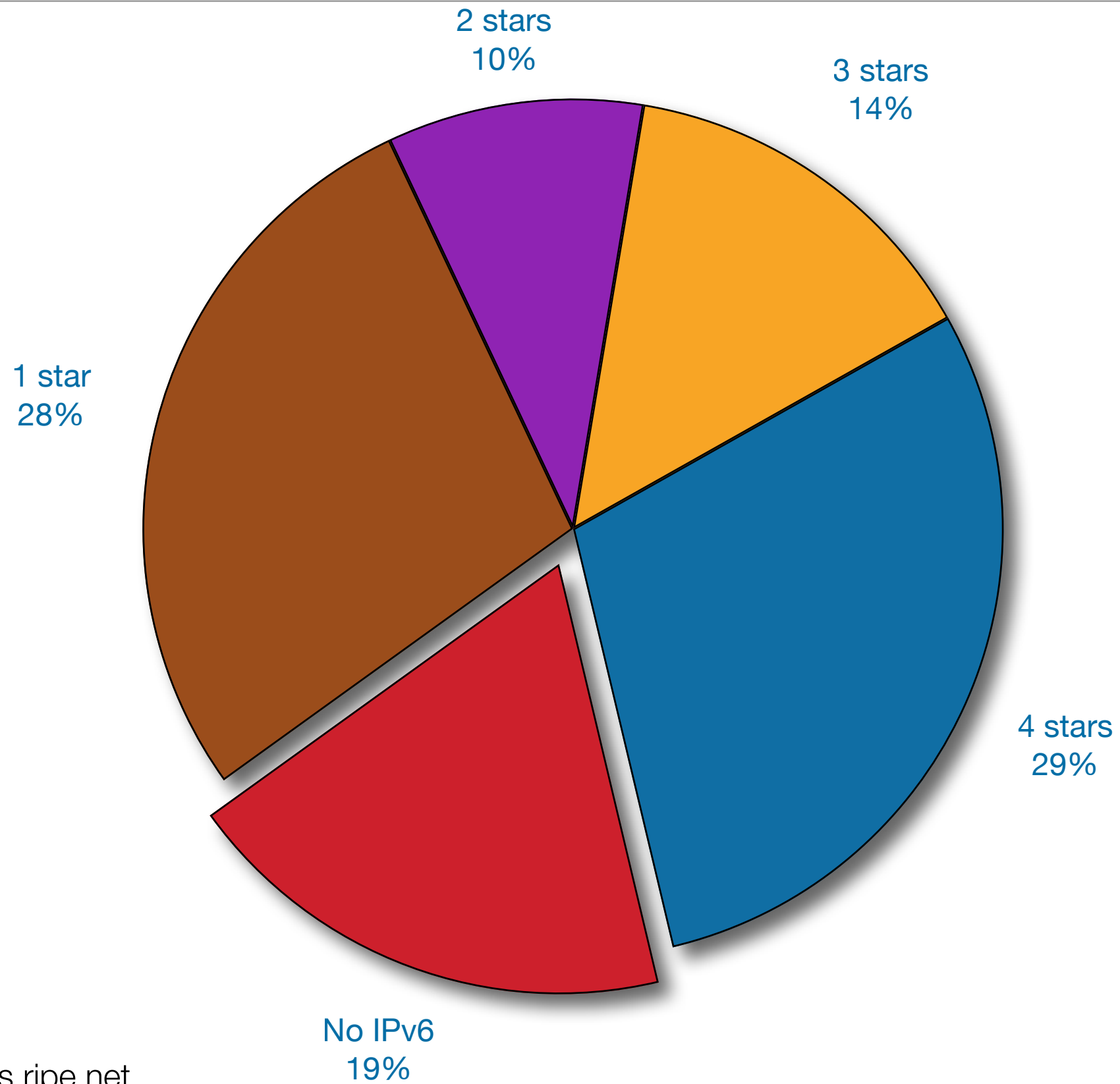




Source: <https://www.stateoftheinternet.com>

# Ukraine: 197 LIRs

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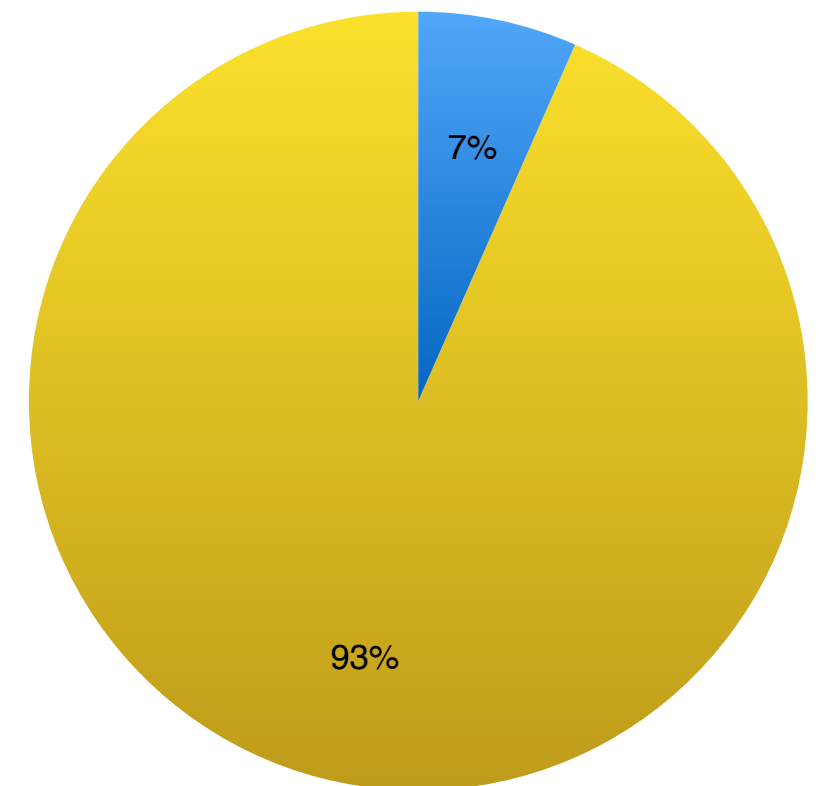


Source: [ripeness.ripe.net](https://ripeness.ripe.net)

Access (last 6 months)	Access (last month)	ContentLIR
		59.3 % "Kyivstar" PJSC
		8.9 % Alexander Mulgin Serginovic
	8.3 %	CONTENT DELIVERY NETWORK LTD
15.4 %		70.3 % Hosting Ukraine LTD
		100.0 % LLC "Hostmaster"
		100.0 % LLC AB UKRAINE
		19.0 % Lanet Network Ltd
		54.5 % MAXNET TELECOM, LTD
		100.0 % PP "Koordinator"
		22.8 % WildPark Co

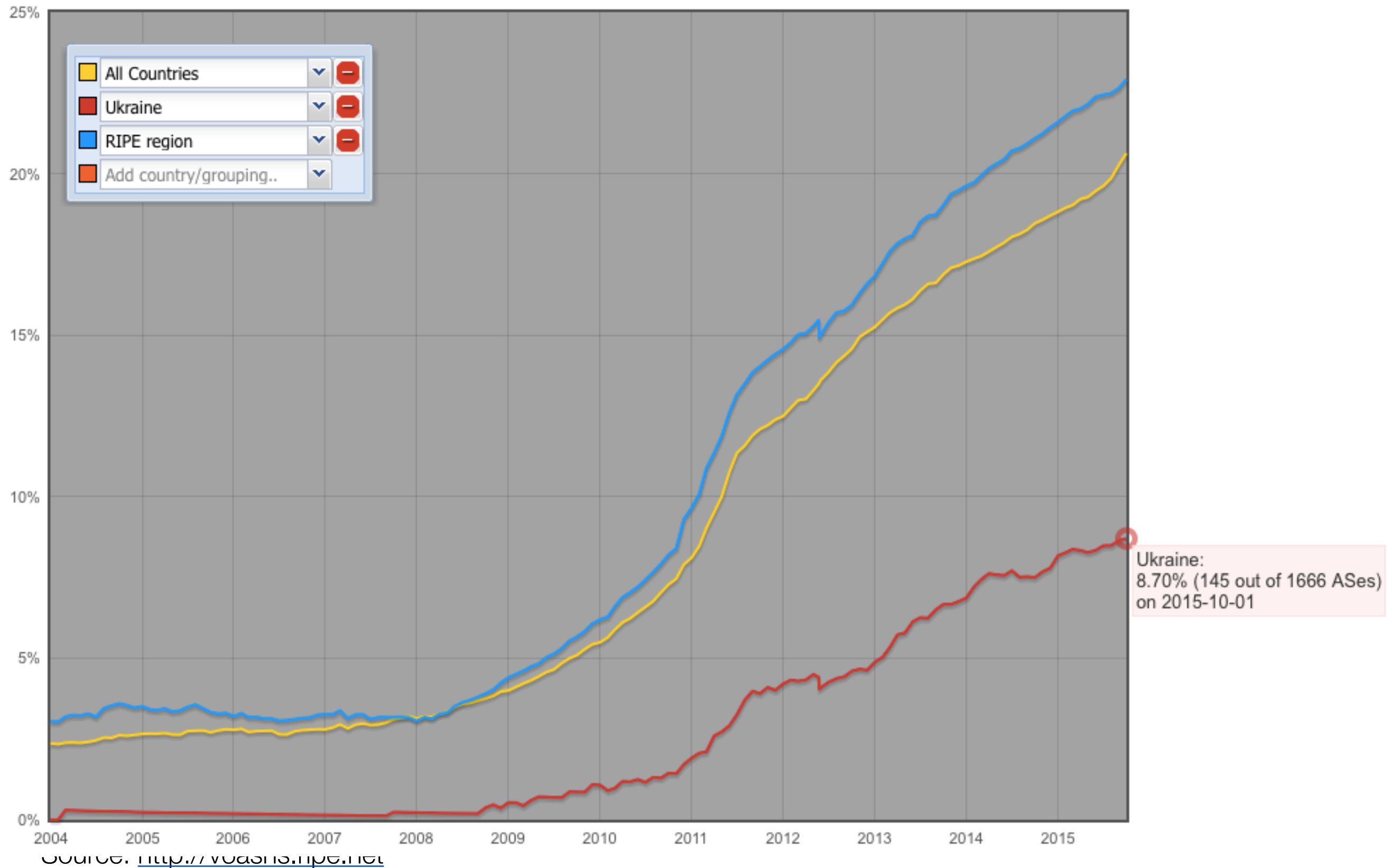
Source: [ripeness.ripe.net](https://ripeness.ripe.net)

- 13 of the 197 Ukrainian LIRs stopped announcing their IPv6 allocation
- In some cases after 2.5 years
- We are trying to find out why
- And asking if we can help



# Ukraine: 1666 AS Numbers

13



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**Graduate to the next level!**

**<http://academy.ripe.net>**

- **There is much to do in the ENOG region**
- **Other regions proved it can be done**
- **Sharing local experiences is very helpful**
- **Making an “IPv4-run-out-plan” is important**
- **Contact us if we can help!**

