



UK IPv6 Status

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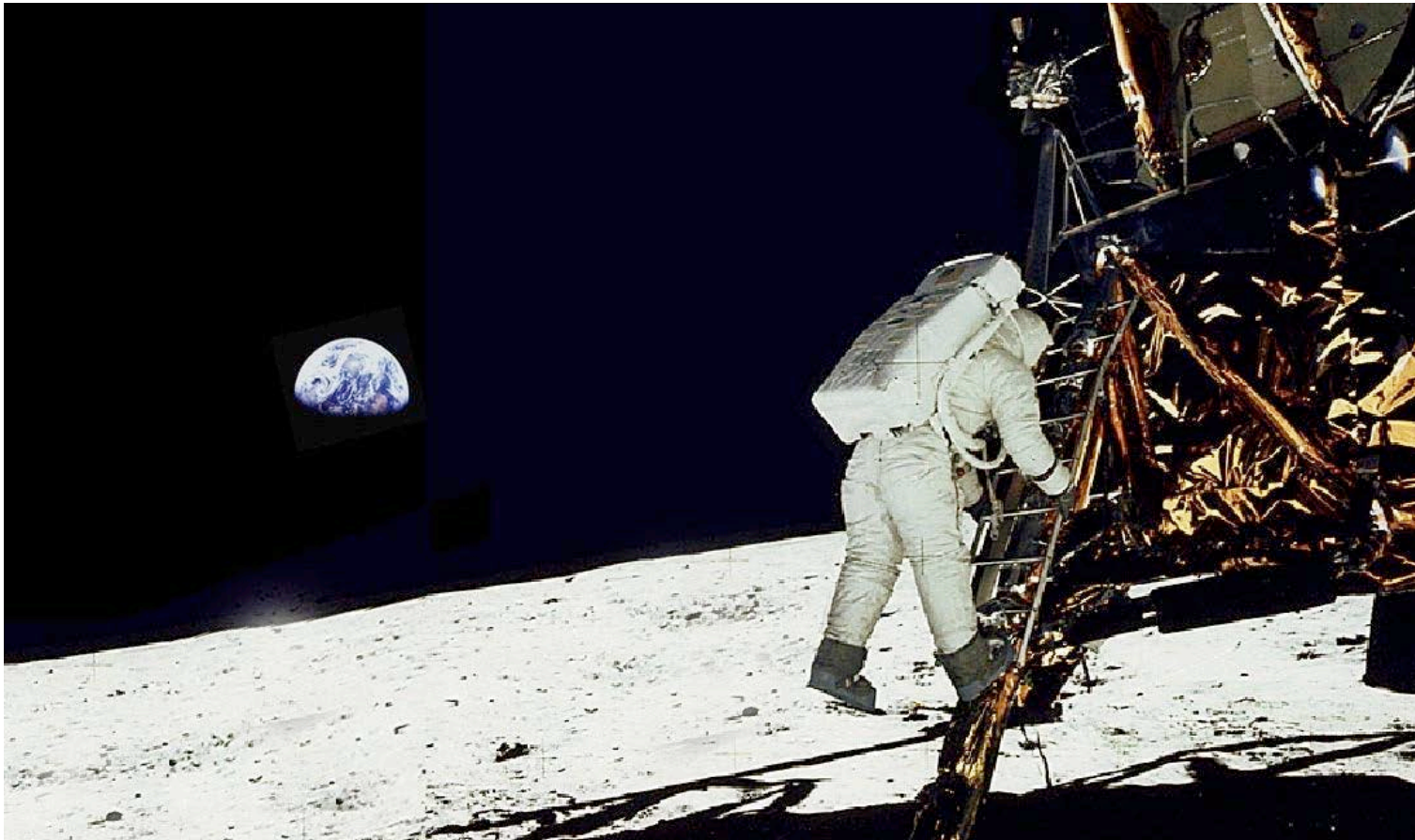
16/10/2014

What do you imagine when I say IPv6 & UK?



Source: <http://en.wikipedia.org/wiki/Desert>

IPv6 in a UK Enterprise?



Source: <http://www.fitsnews.com/2012/07/20/if-you-believe-2/>

UK Government & IPv6?



Source: <http://www.dailymail.co.uk/news/article-566719/Why-ostriches-DONT-bury-heads-sand--surprising-truths-great-animal-myths.html>

What do you imagine when I say IPv6 in the World?



Source: <https://wordhaverling.wordpress.com/tag/green-pastures/>



National Investments and Policies




EU-China FIRE
Bridging EU-China Future Internet Common Activities and Opportunities

[About us](#) ▾ [About FIRE](#) ▾ [Events](#) ▾ [Resources](#) ▾ [FAQ](#)

China plans to invest CNY 20 billion to promote IPv6

June 11, 2014  [IPv6](#), [MIIT](#)



UNCLASSIFIED

IPv6 in the Department of Defense

Implementation and Adoption Guides & Leading ISPs

Report for IDA

IPv6 adoption guide for Singapore

15 March 2011

Ref: 16946-113(p)

IPv6 Policy & Implementation in Indian Economy

(APIPv6TF, APNIC-35, Singapore)

27.2.13

IPv4 run-out

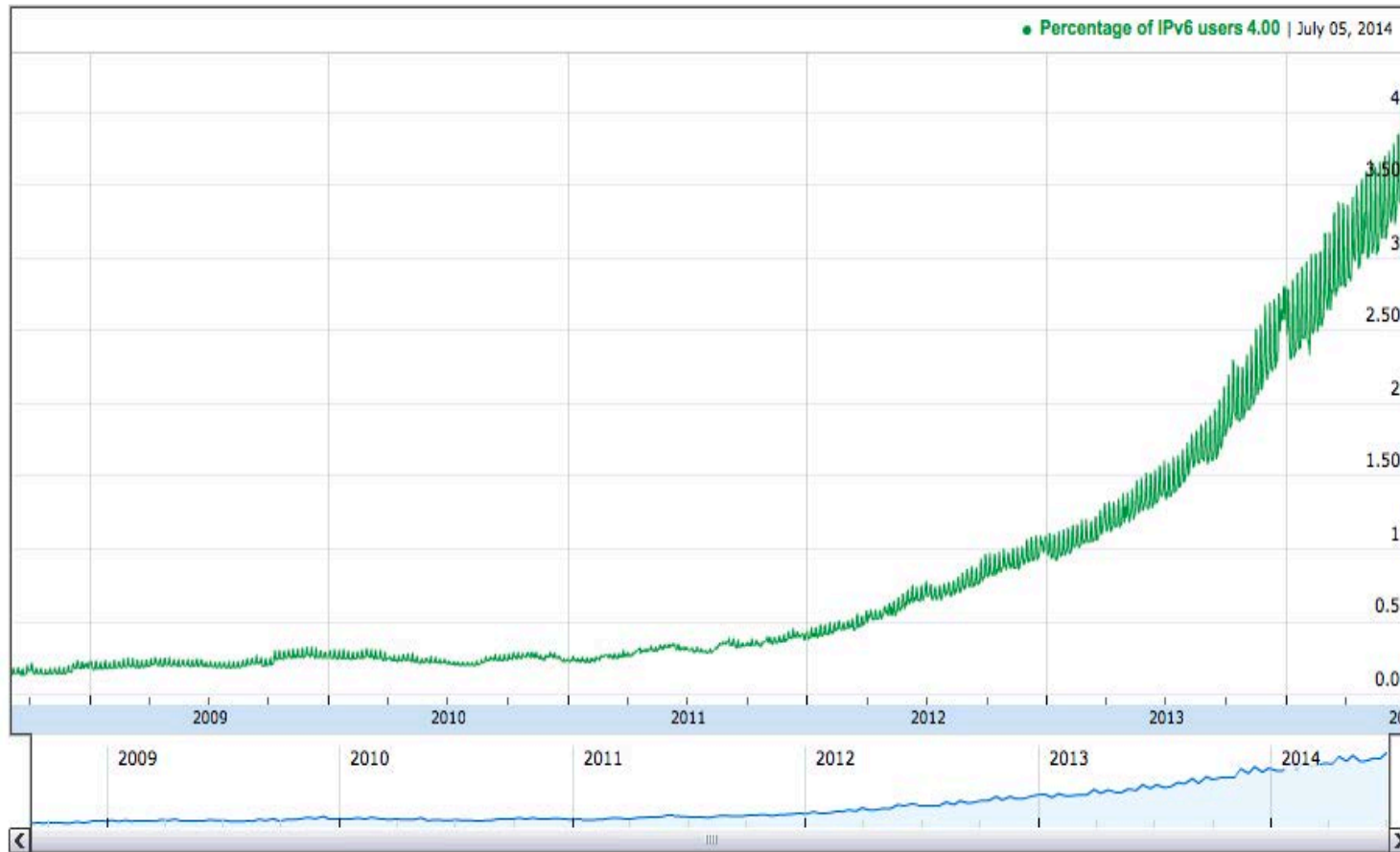
ISP



The real situation

- What is the real situation?
- Where are we now?
- It is easy to assume...

Users – Global Traffic – Google – July 2014

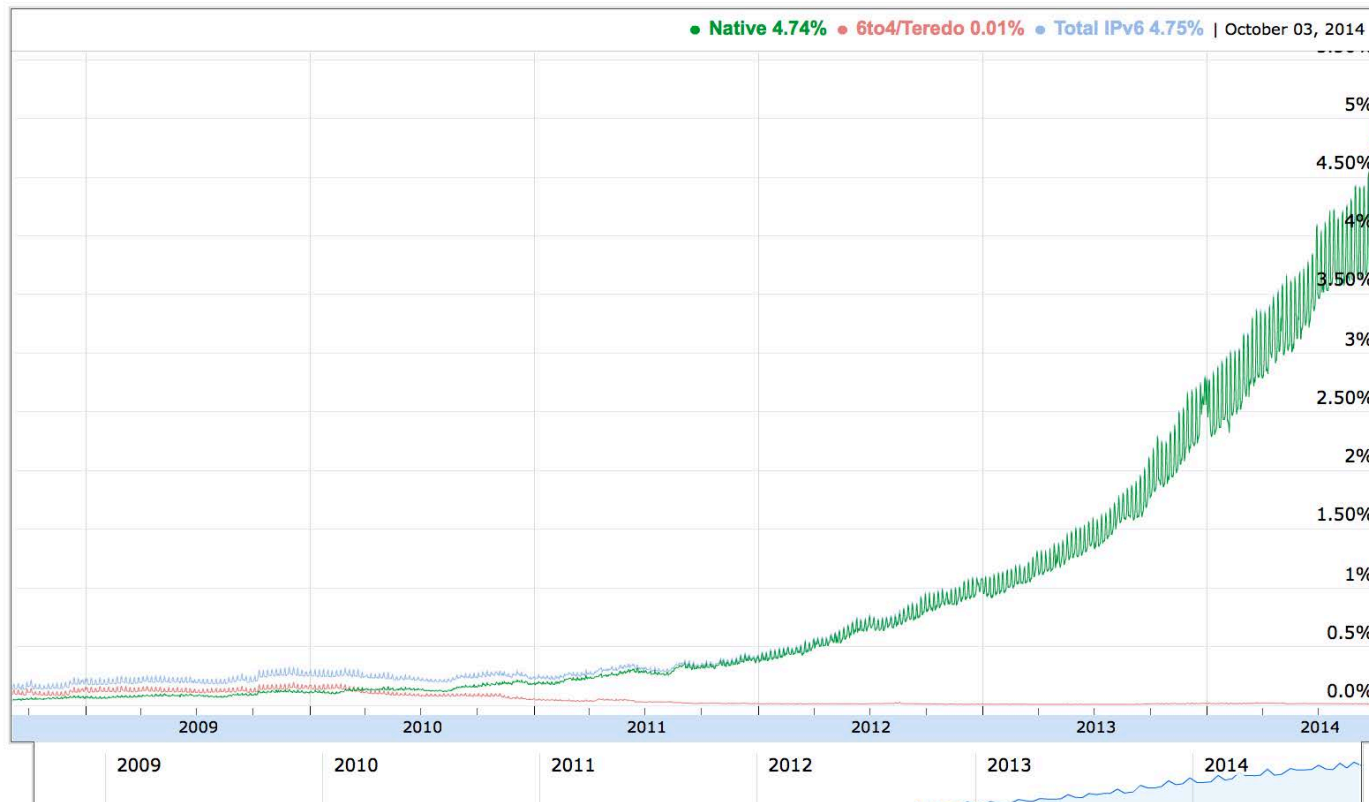


- <https://www.google.com/intl/en/ipv6/statistics.html>

Users – Global Traffic – Google – October 2014

IPv6 Adoption

We are continuously measuring the availability of IPv6 connectivity among Google users. The graph shows the percentage of users that access Google over IPv6.



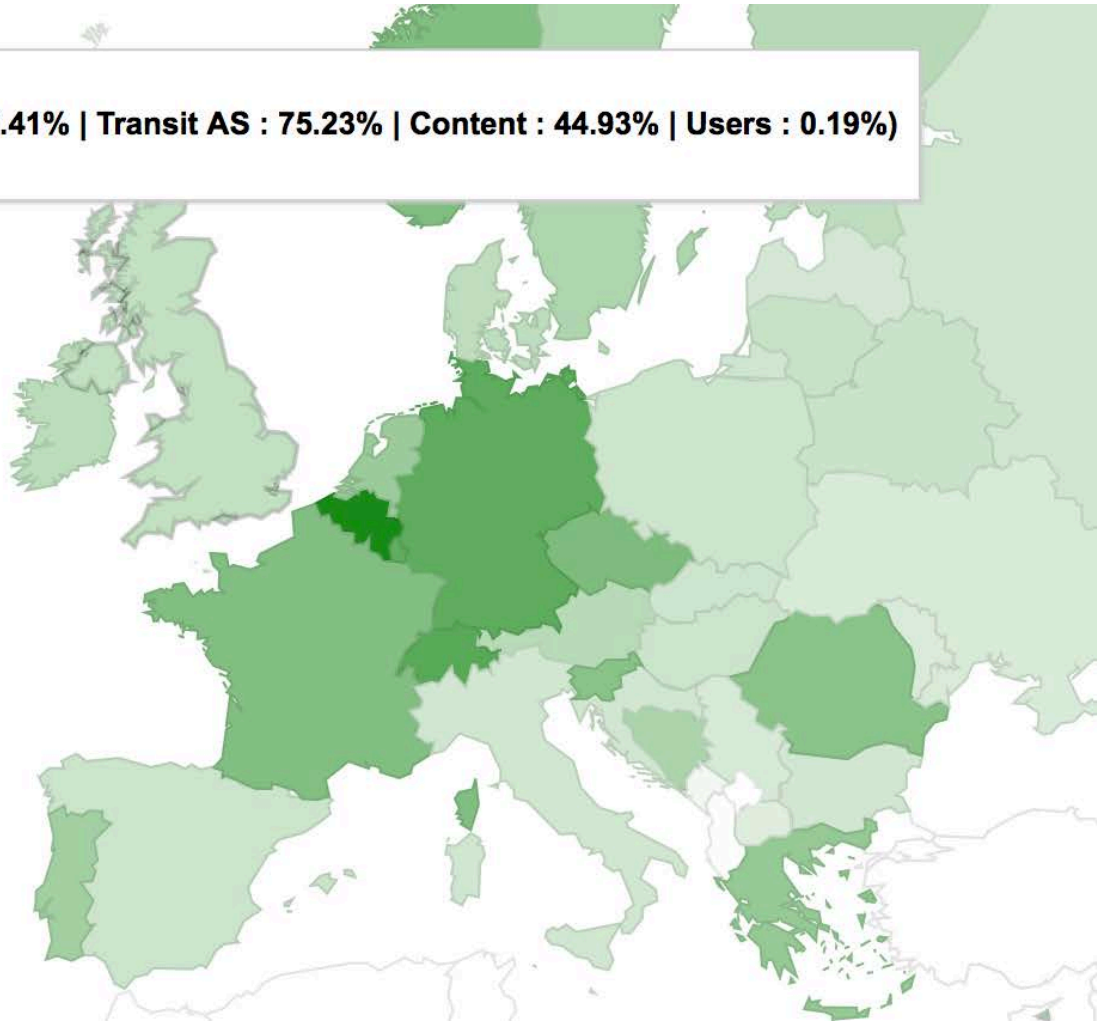
<https://www.google.com/intl/en/ipv6/statistics.html>

UK IPv6 Adoption – 05/09/2014

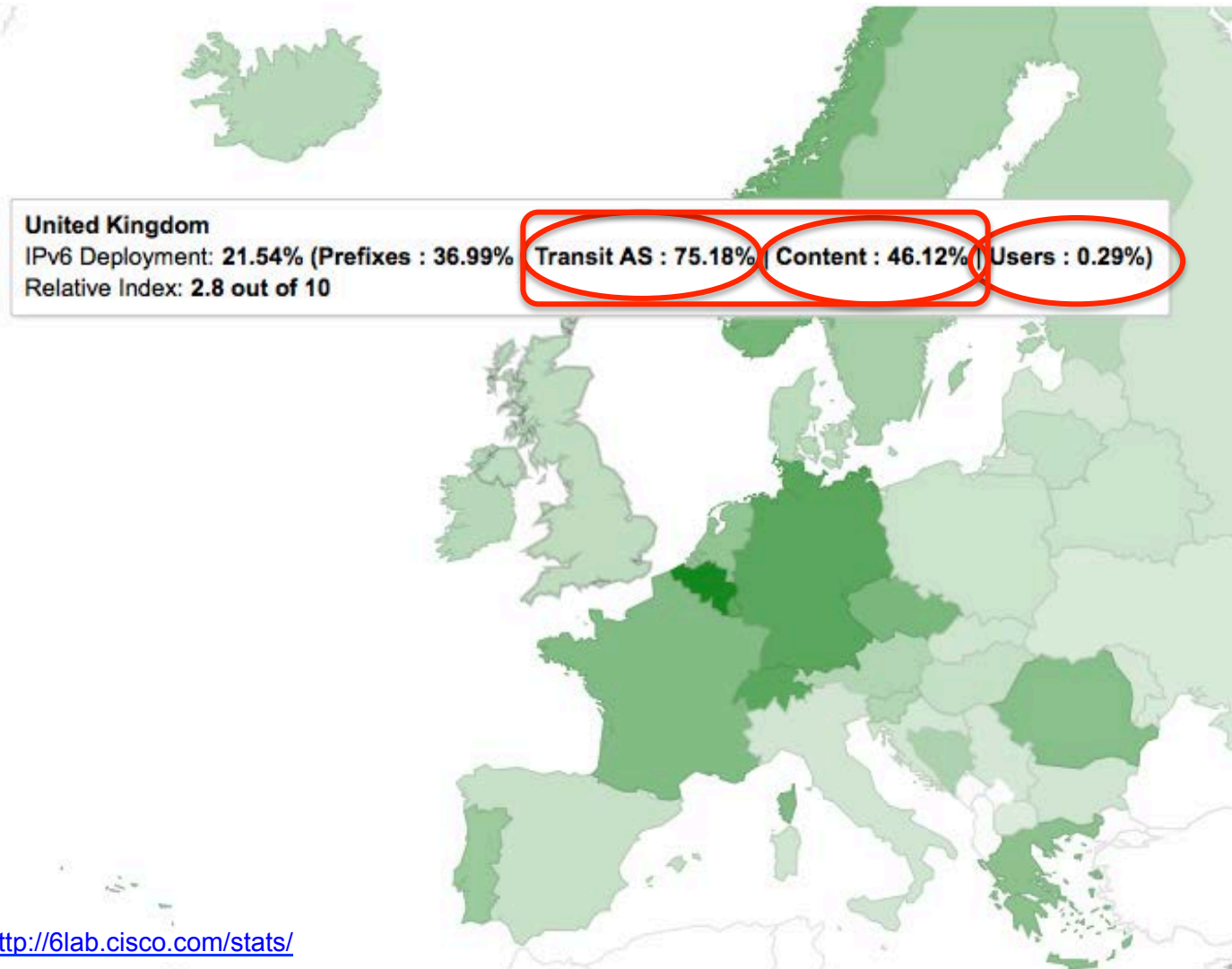
United Kingdom

IPv6 Deployment: **21%** (Prefixes : 37.41% | Transit AS : 75.23% | Content : 44.93% | Users : 0.19%)

Relative Index: **2.6 out of 10**












UK IPv6 Adoption – 5/10/2014



SIXXS.net DFP statistics

IPv6 DFP's per country

Total number of countries: 183

| Pos | Flag | Country | A | R | V | VP |
|-----|---|--------------------------------|------|-----|------|-------|
| 1 |  | United States | 3891 | 247 | 1468 | 7.00% |
| | | | | | | |
| 3 |  | Germany | 1138 | 89 | 587 | 2.80% |
| 4 |  | United Kingdom (Great Britain) | 1068 | 62 | 392 | 1.87% |
| 5 |  | Russia | 915 | 33 | 335 | 1.60% |
| 6 |  | Netherlands, The | 740 | 66 | 359 | 1.71% |
| 7 |  | Australia | 725 | 39 | 199 | 0.95% |
| 8 |  | France | 615 | 41 | 251 | 1.20% |
| 9 |  | Sweden | 483 | 21 | 275 | 1.31% |
| 10 |  | Japan | 428 | 53 | 219 | 1.04% |

<https://www.sixxs.net/tools/grh/dfp/>

What does this mean?

- We are missing the deployment in residential networks
 - BT – 7,385,000 subscribers
 - BSkyB – 5,247,000 subscribers
 - Virgin Media – 4,524,200 subscribers
 - Source: <http://www.ispreview.co.uk/review/top10.php>
- When one of the major ISPs enables IPv6, the change is going to be significant

17M out of ~23M
broadband
subscribers

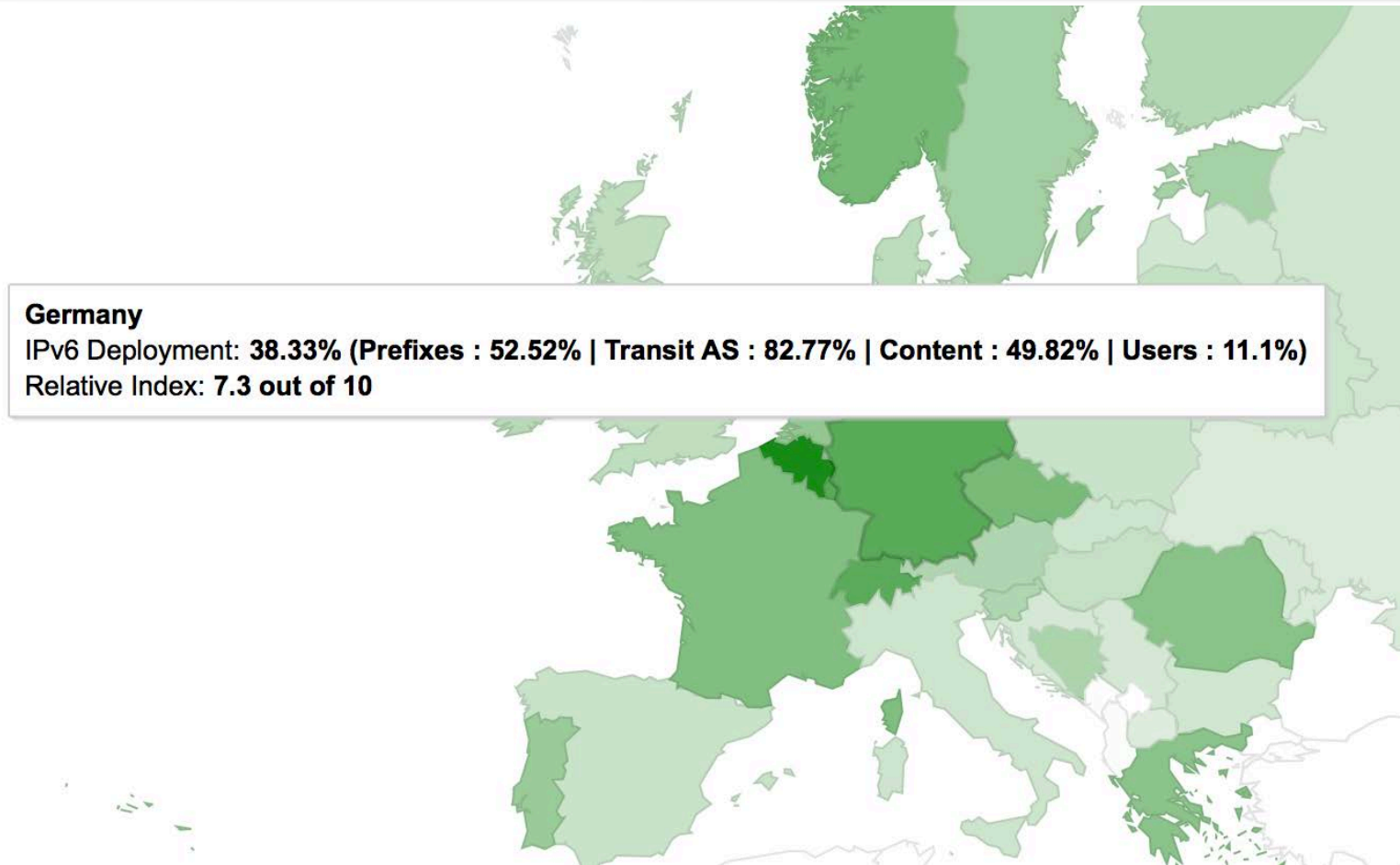
What can we expect?

France

IPv6 Deployment: **30.51%** (Prefixes : 41.54% | Transit AS : 72.41% | Content : 50.9% | Users : 5.38%)

Relative Index: **5.5 out of 10**

What can we expect?



What would success look like?

- People inspired/encouraged by engaging in UK IPv6 Council, will (re)start IPv6 projects in their own organisations
- Assigned IPv6 prefixes will start to be used
- IPv6 traffic in the UK will grow

Get involved with UK IPv6 Council

- Free and open for all!
- LinkedIn Group: [UK IPv6 Council](http://tinyurl.com/UK-IPv6-LinkedIn)
 - <http://tinyurl.com/UK-IPv6-LinkedIn>
- Website: www.ipv6.org.uk

Thank you.

