RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Global IPv6 Deployment Survey

What's happening around IPv6 in the World ?

Massimiliano Stucchi - Stephen Strowes | RIPE76 | May 2018

6 June 2012

6 Years later…

6 June 2018

Once there was a survey

2008

2009

2011

2012

2013

2008

2009

2011

2012

2013

- **Done by the NRO as a whole**
  - Supported by all the RIRs
- **Data available to all the RIRs**

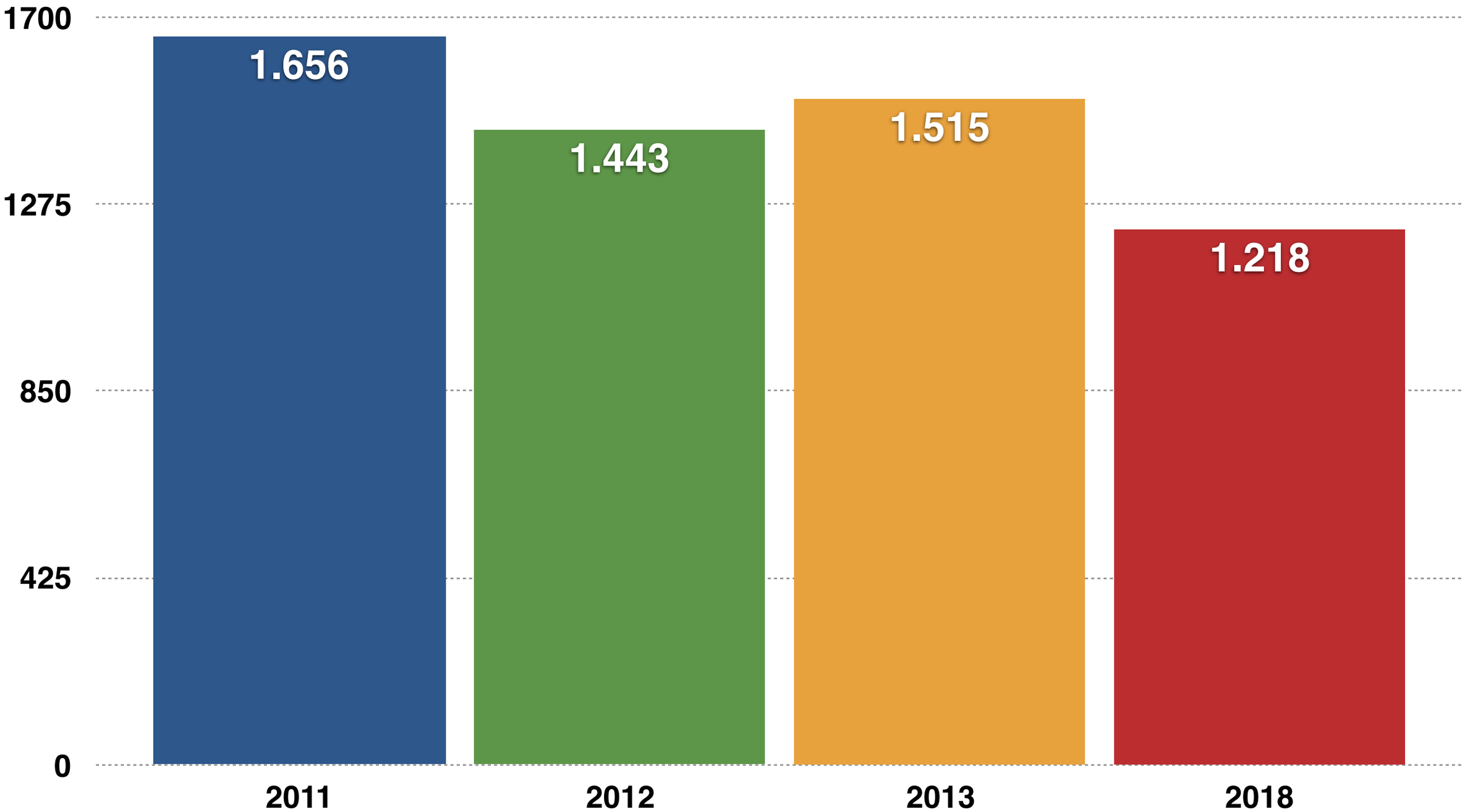
- No IPv6…(Sorry!)
- For data consistency with previous surveys

- In collaboration with Maarten Botterman

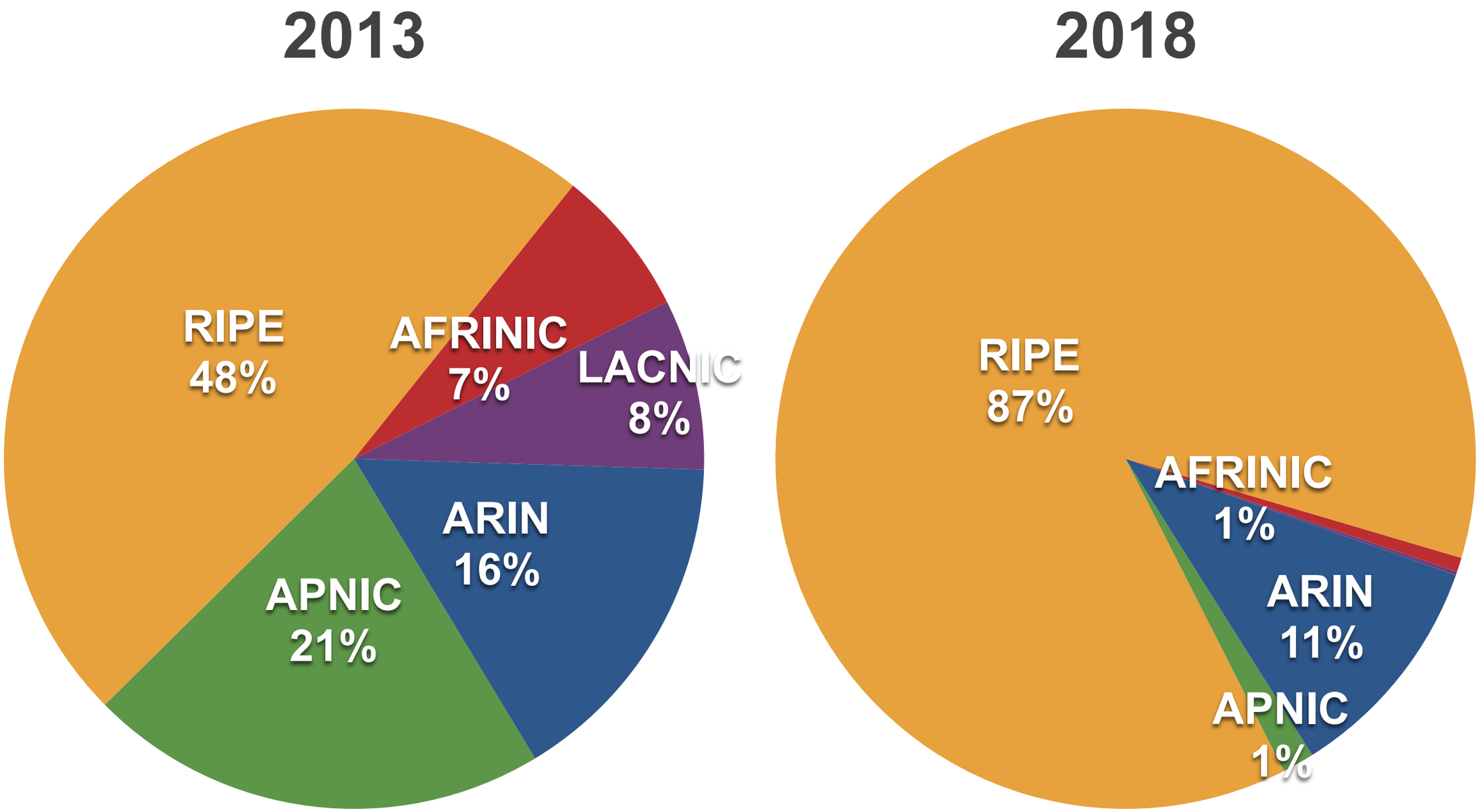
2018

- **Launched at the end of February**
- **Closed officially on March 31st**
  - Last results came in first few days of April
- **Received 1218 responses**

Number of responses per year



Number of responses per region



Top Countries

2013

1	US	**215**
2	Germany	**74**
3	UK	**66**
4	Russia	**53**
5	Netherlands	**48**
6	India	**47**
7	France	**47**
8	Brazil	**47**
9	Indonesia	**40**
10	Italy	**35**

2018

1	Germany	**143**
2	UK	**119**
3	US	**103**
4	Netherlands	**91**
5	Italy	**86**
6	France	**65**
7	Switzerland	**59**
8	Russia	**49**
9	Spain	**41**
10	Czech Republic	**39**

Basic data

Organisation type

No change

Organisation type

ISPs

around 50%

Organisation type

ISPs

around 50%

Content

Education

ICT

around 10%

Organisation type

ISPs	Content	Government
around 50%	Education	Research
	ICT	Other
	around 10%	around 5%

Customer base size (ISP only)

Good mix, no change

Customer base size (ISP only)

Small / medium	60%

Customer base size (ISP only)

Small / medium	60%
Between 10k and 100k customers	20%

Customer base size (ISP only)

Small / medium	60%
Between 10k and 100k customers	20%
More than 1 million customers	10%

The obvious data

The obvious data

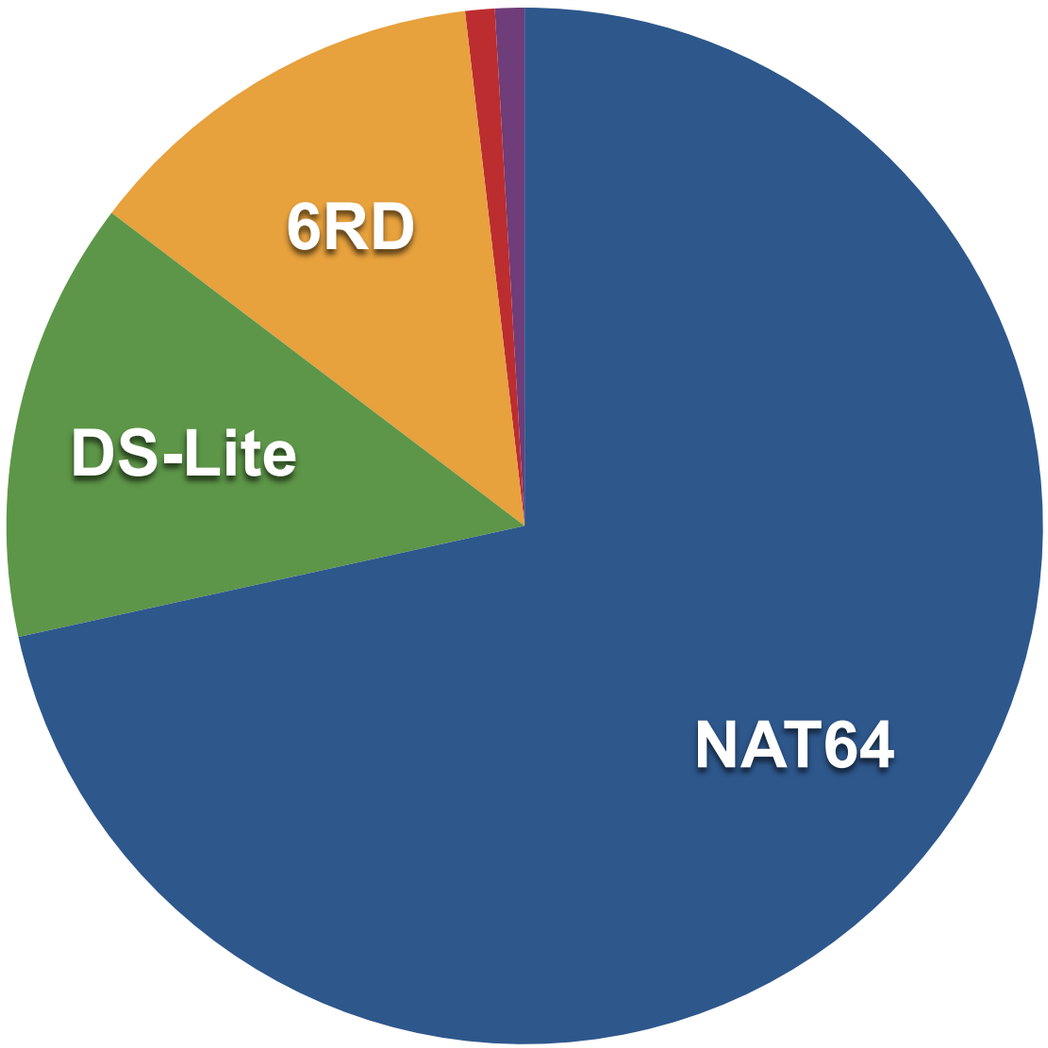
The obvious data

- **Hosted infrastructure from a 3rd party grew**
  - Most likely because of the cloud

Reasons for not supporting IPv6

- **Top 3 unchanged**
  - Availability of knowledgeable staff
  - Costs
  - Business case to non-technical management
- **“Vendor support” hasn’t changed in percentage**

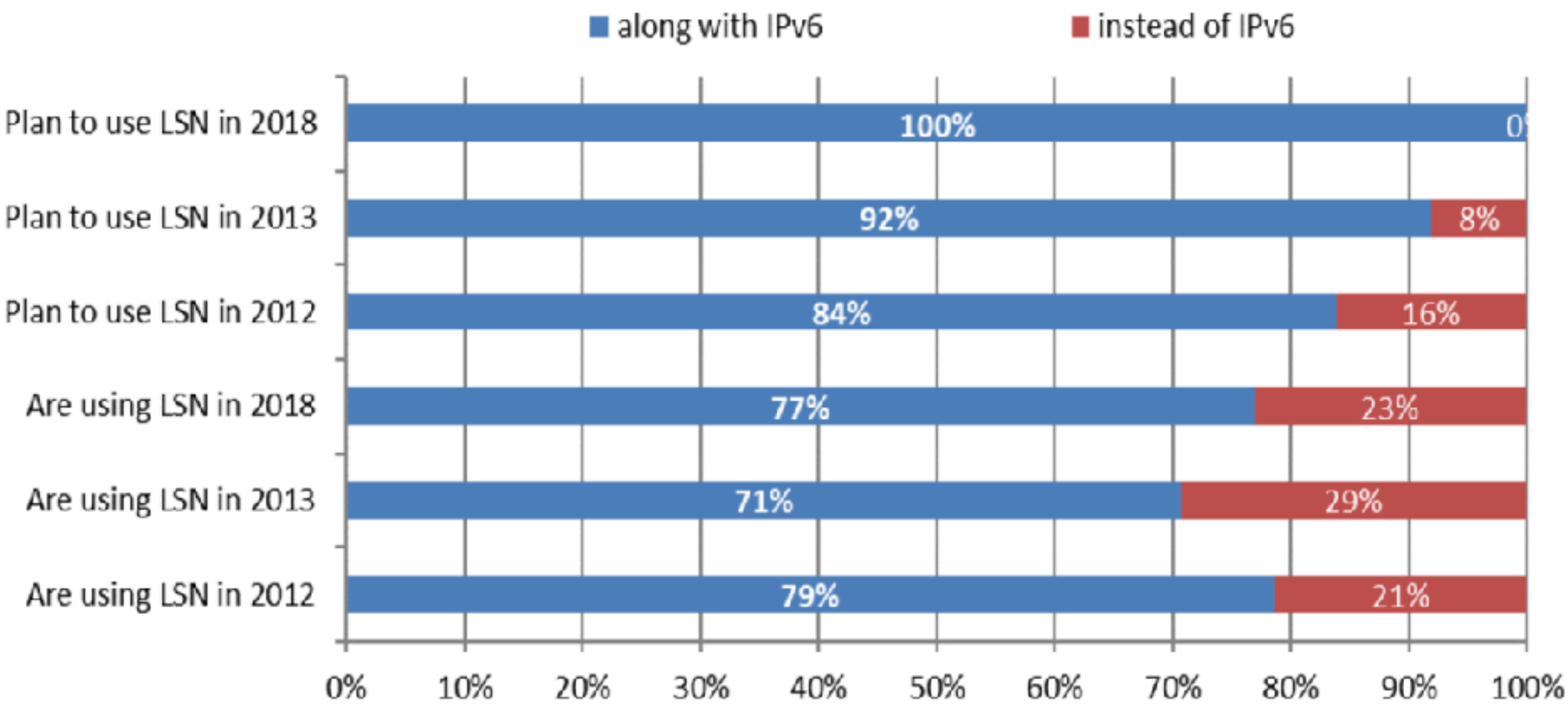
Transition Mechanisms



- **Important:** More than 50% does not use any

The good news

- Use/plan CGN with or instead of IPv6



Quick reality check

Question:

What is the percentage of users/customers on IPv6?

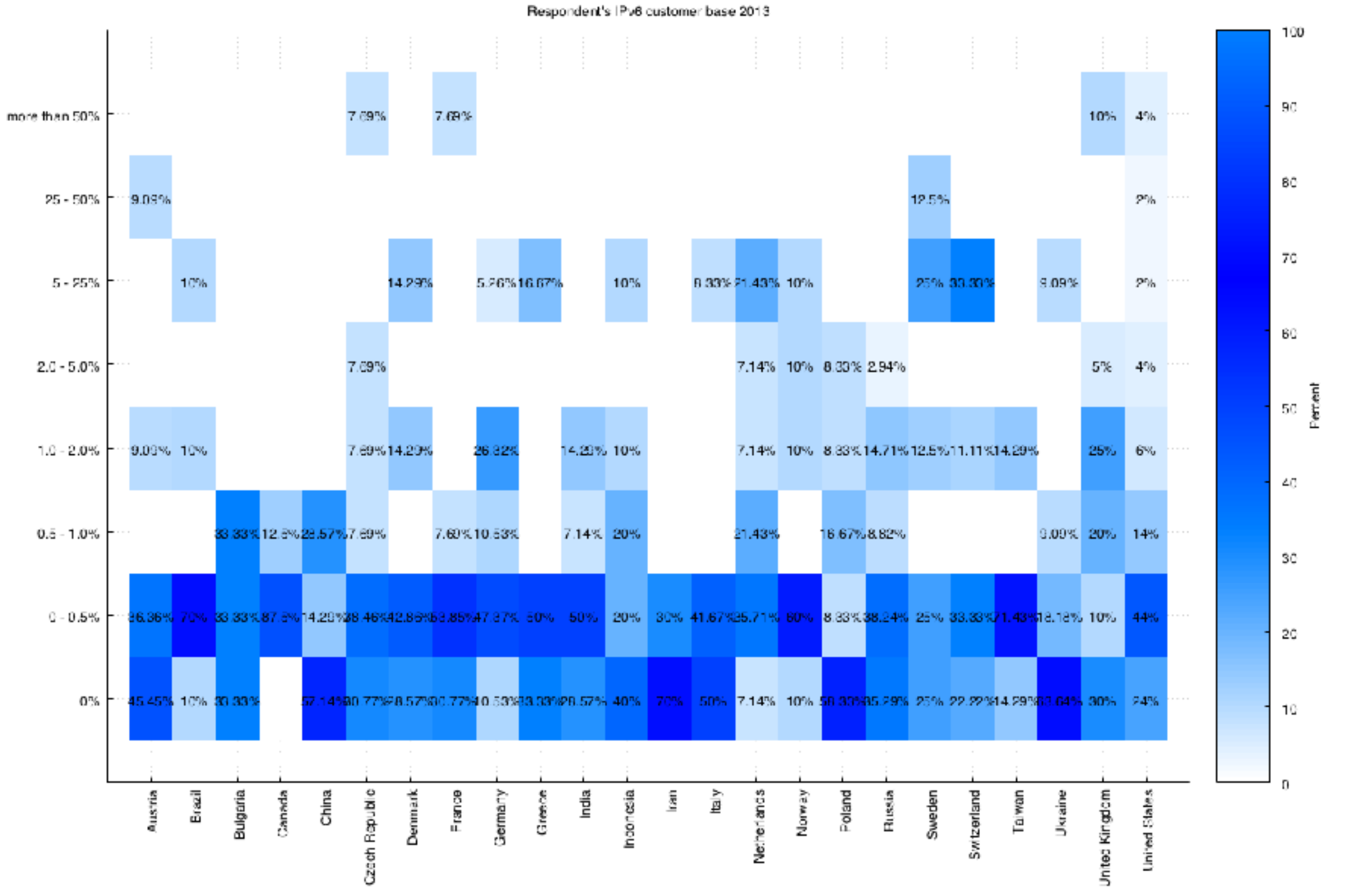
Let's…

Create a heatmap divided by country

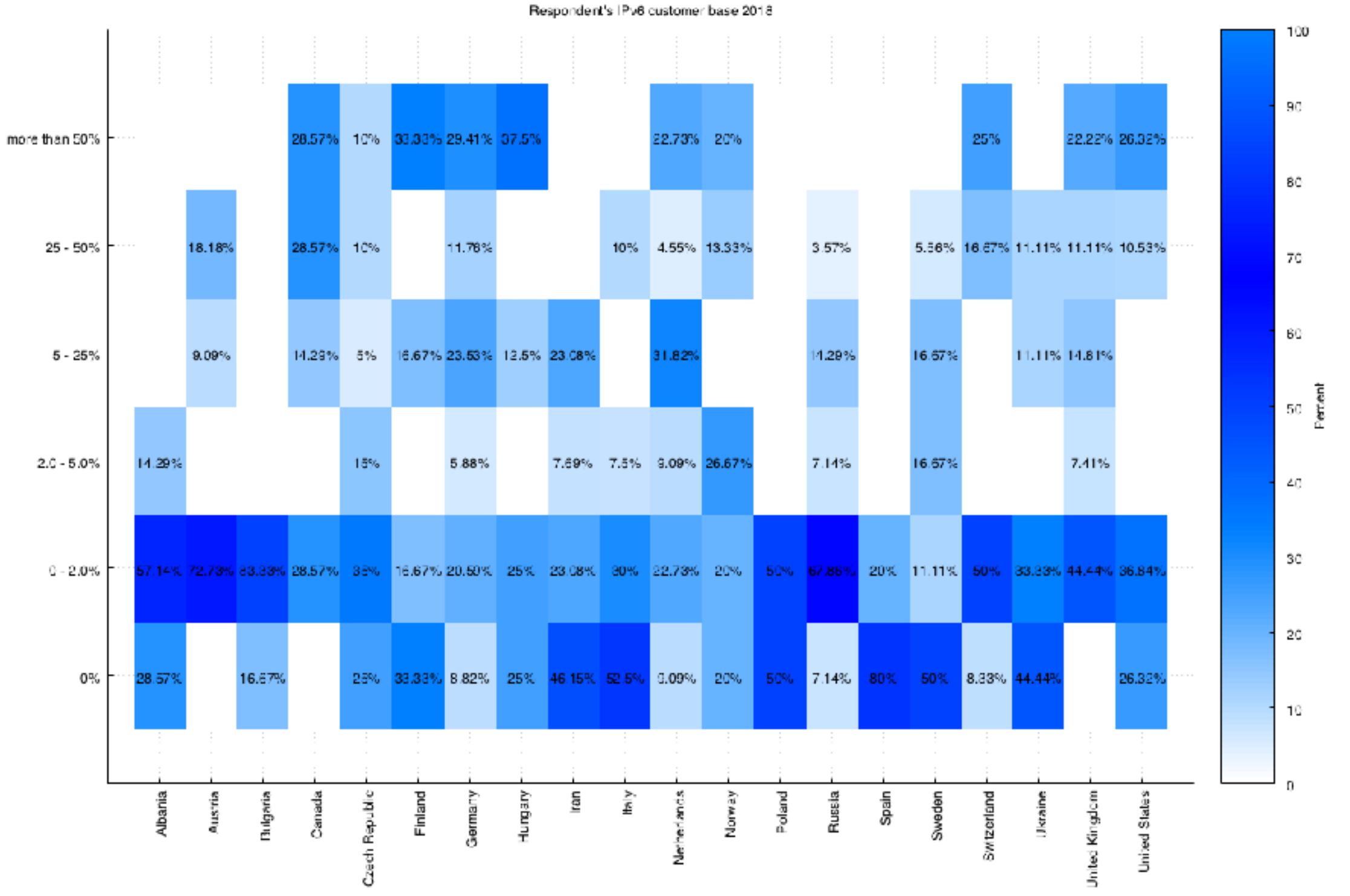
Check it against data from

Google, Eric Vynke, APNIC, RIPENess

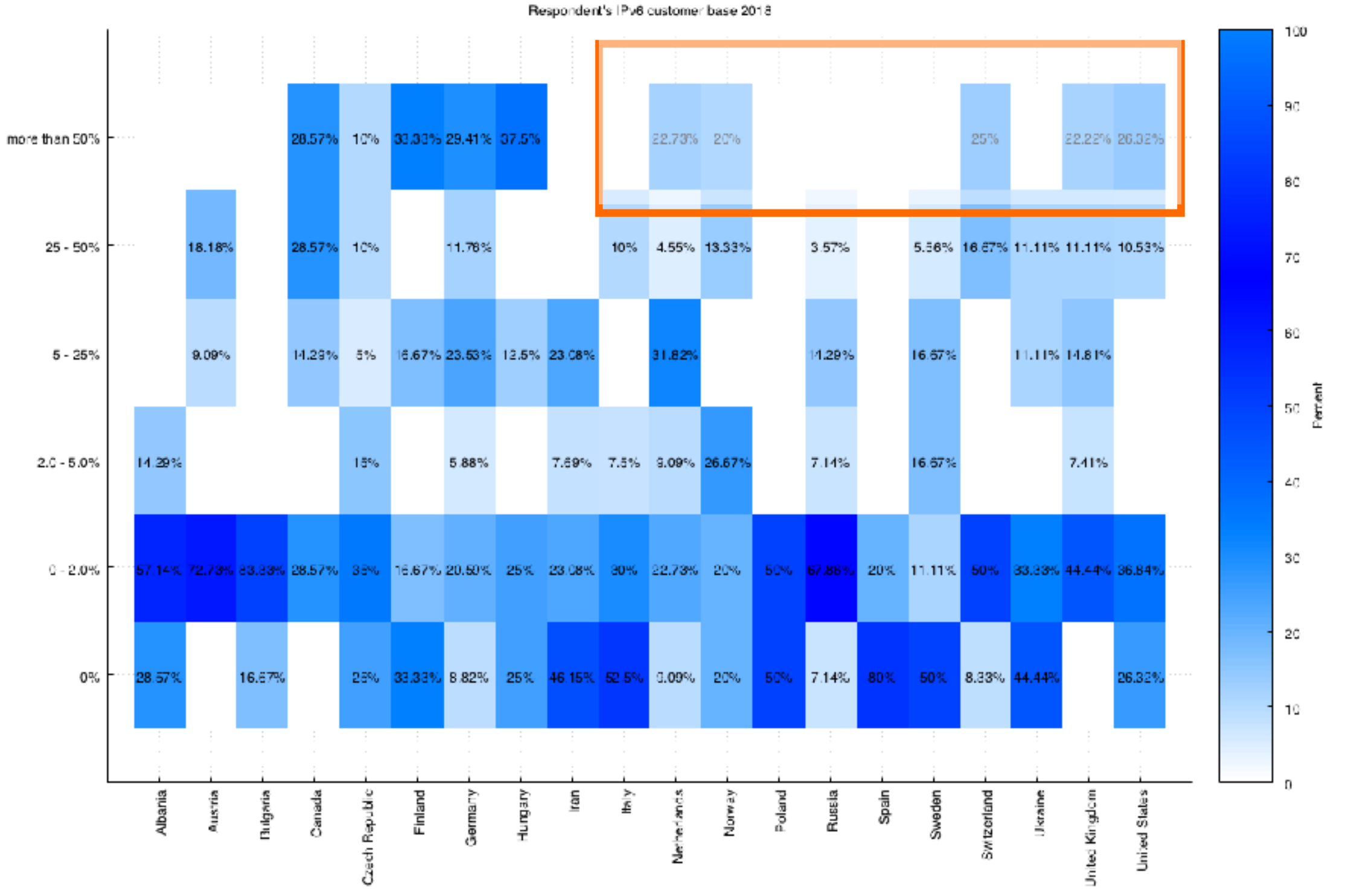
% of users on IPv6 - 2013



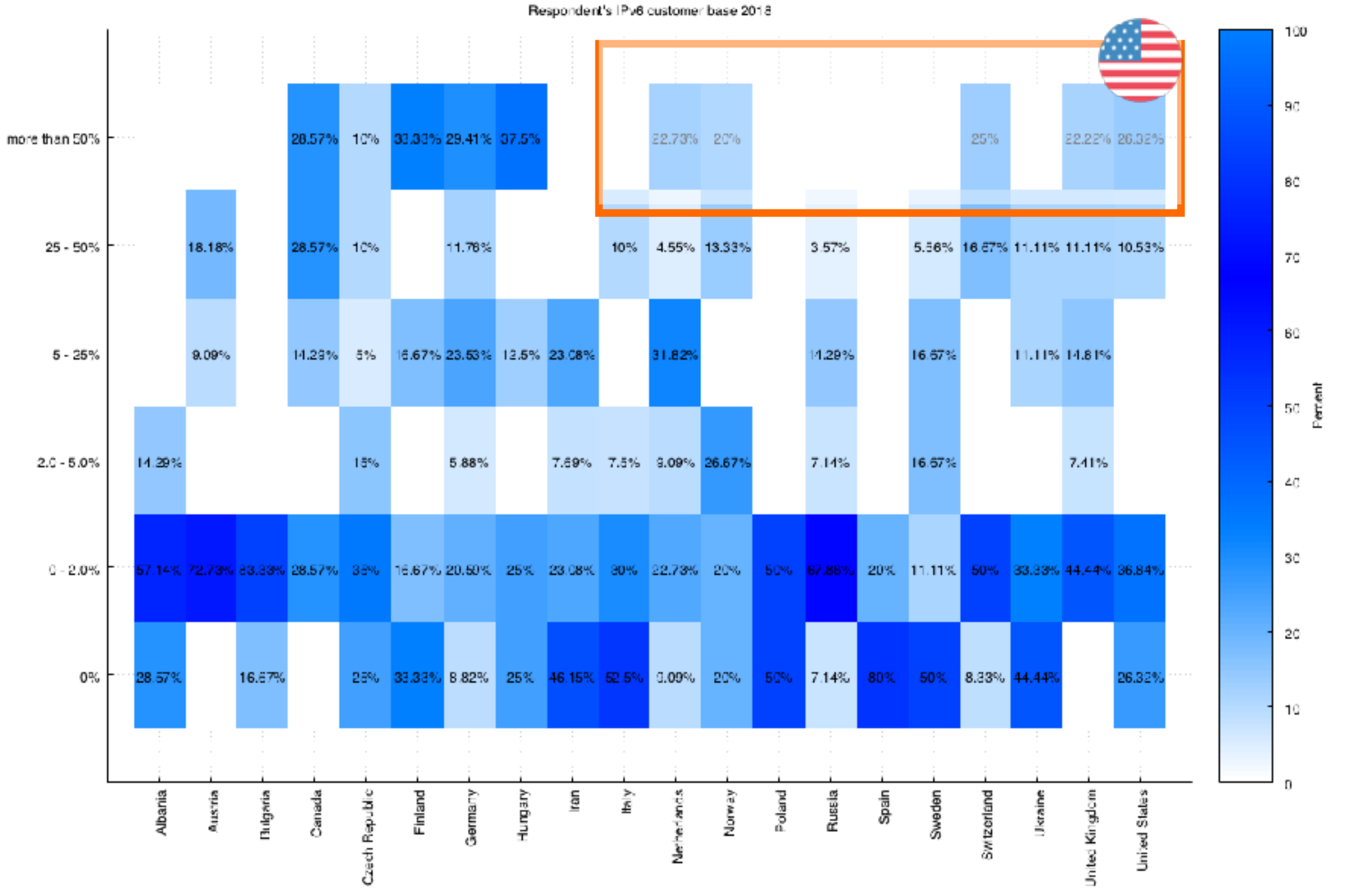
% of users on IPv6 - 2013



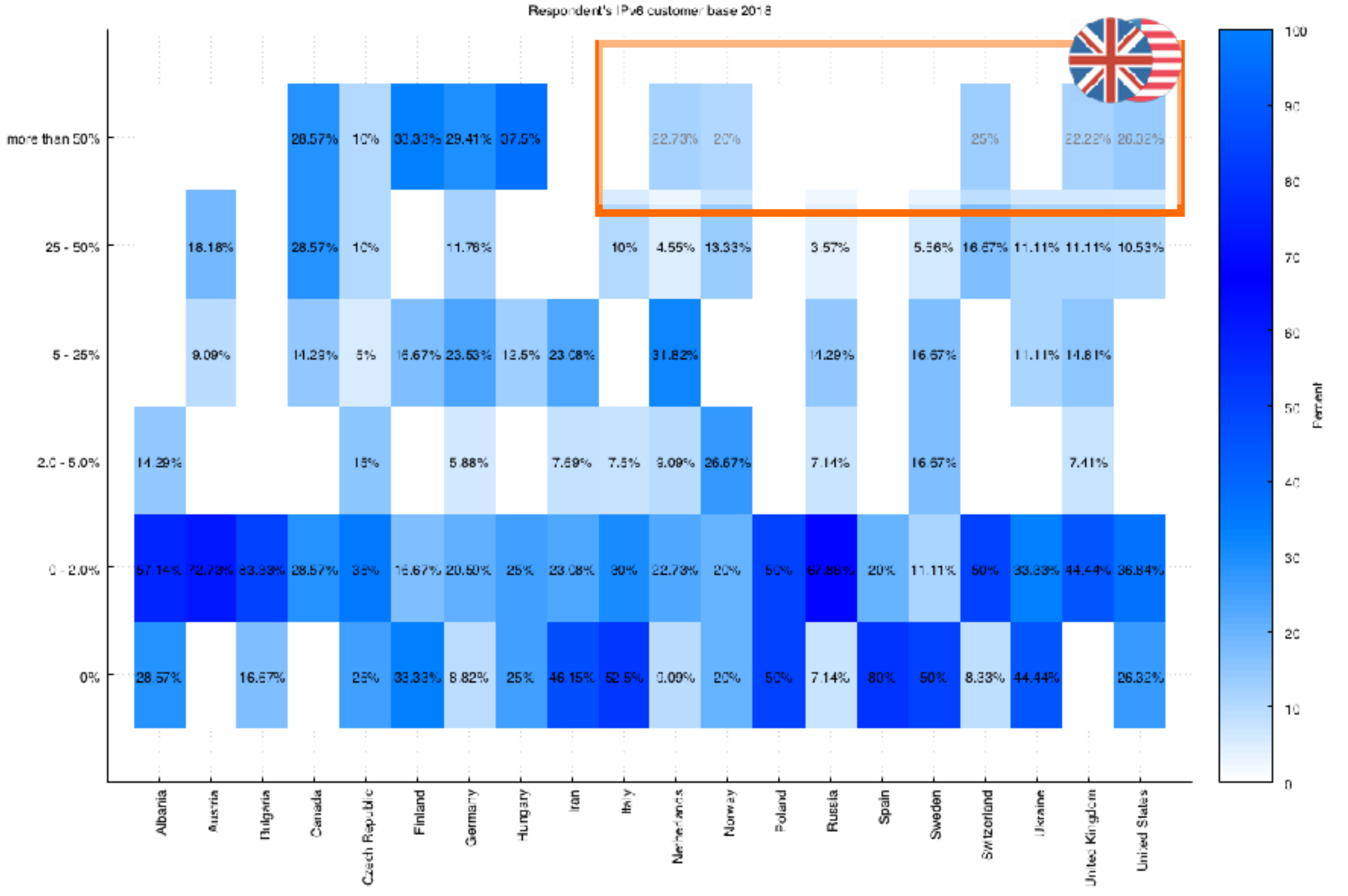
% of users on IPv6 - 2013



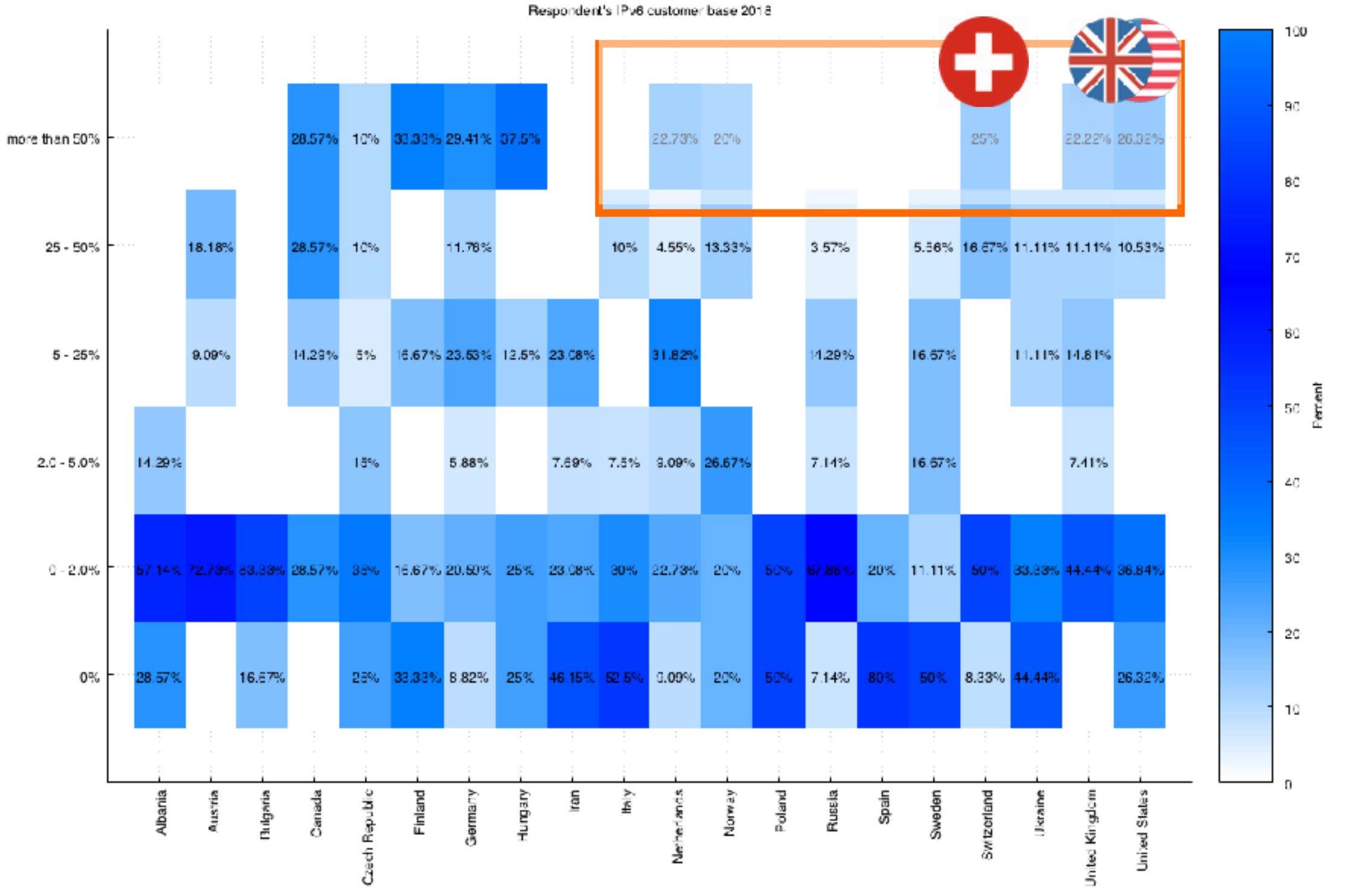
% of users on IPv6 - 2013



% of users on IPv6 - 2013



% of users on IPv6 - 2013



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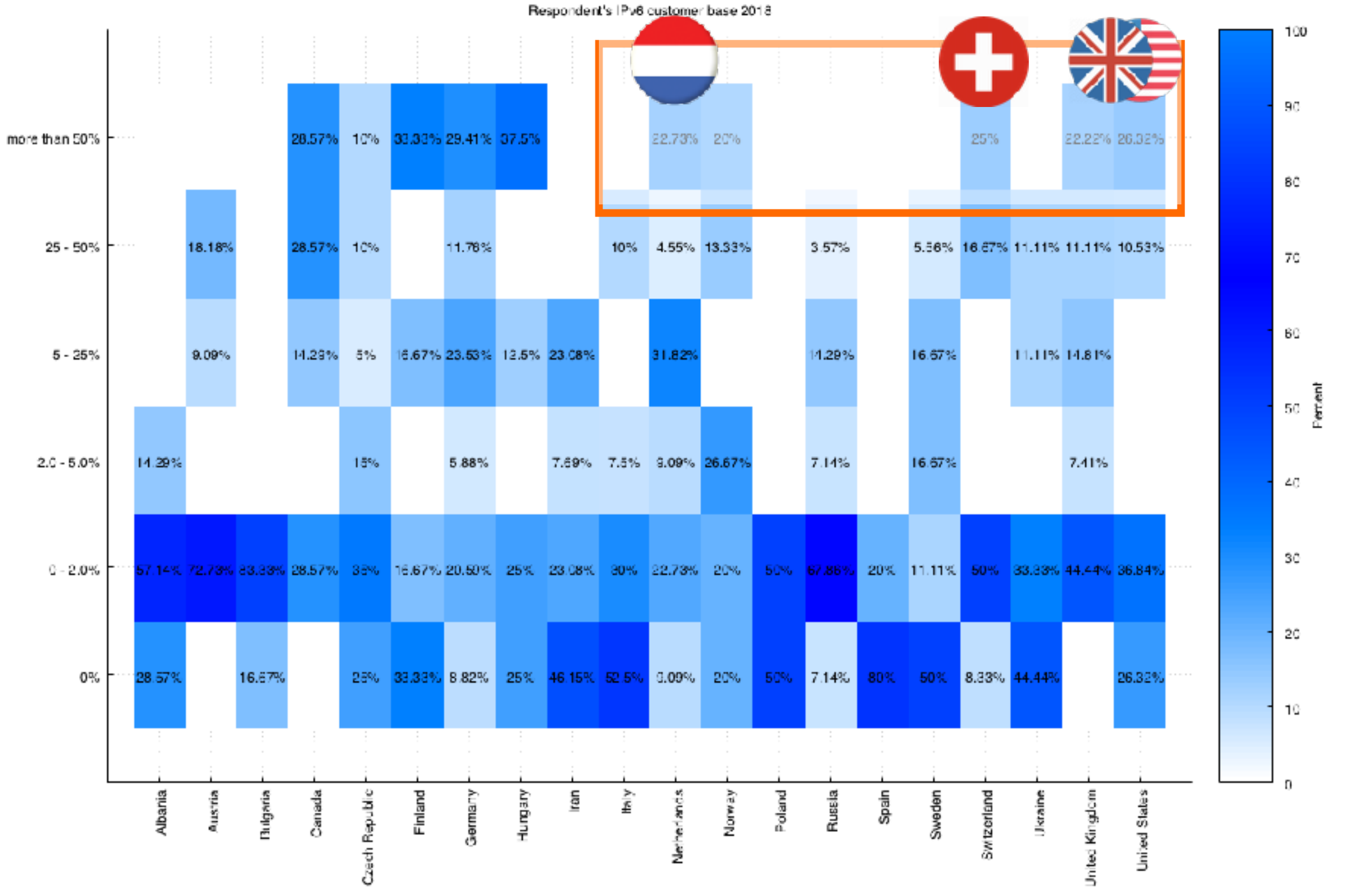

Future work

- **More analysis coming**
  - Open answer fields
  - More

- **Share the data internally**

RIPENESS

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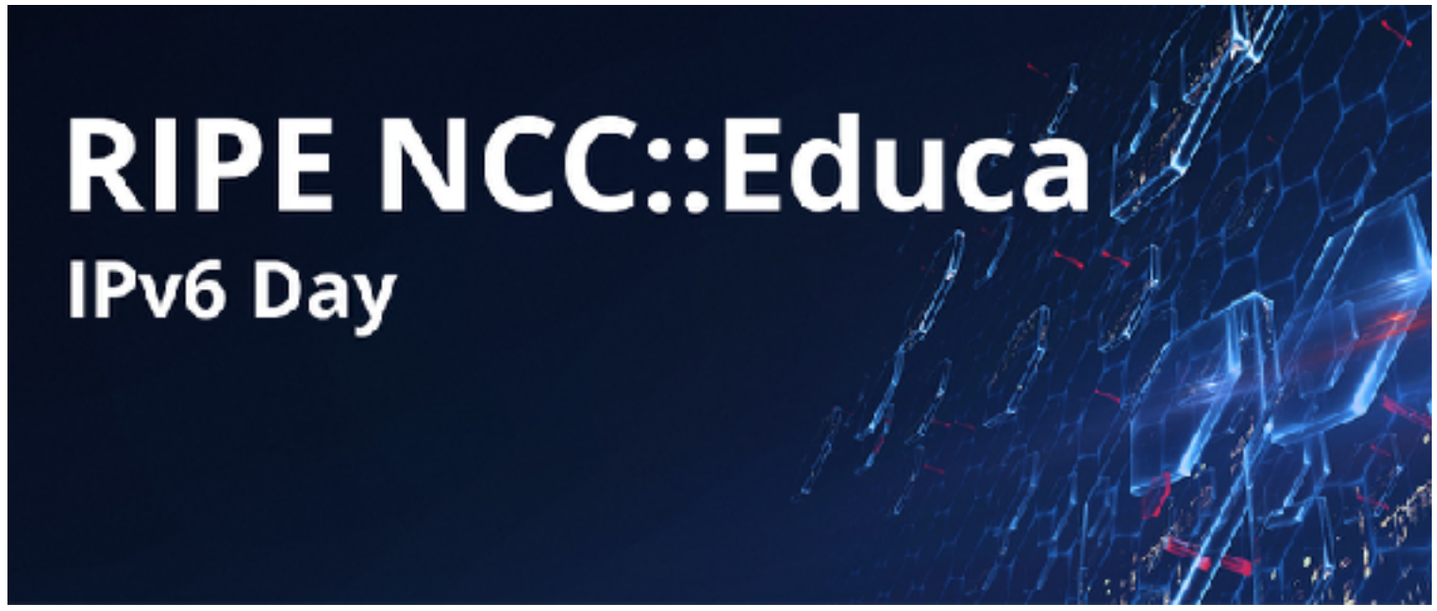

- **6th of June, RIPE NCC::EDUCA IPv6**
  - Online event, open to everyone

- **https://www.eventbrite.nl/e/ripe-ncceduca-ipv6-tickets-45100190885**

Questions

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@TrainingRIPENCC

The End!

Край

Y Diwedd

Fí

Finis

النهاية

Соңы

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Liðugt

Ende

Finvezh

Кінець

Konec

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Son

Kpaj

Lõpp

Beigas

Vége

An Críoch

הסוף

Endir

Sfârşit

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Τέλος

Einde

Канец

Конец

Slut

Slutt

დასასრული

Pabaiga

Tmiem

Fim

Amaia

Loppu

Koniec