



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Global IPv6 Deployment Survey

What's happening around IPv6 in the World ?



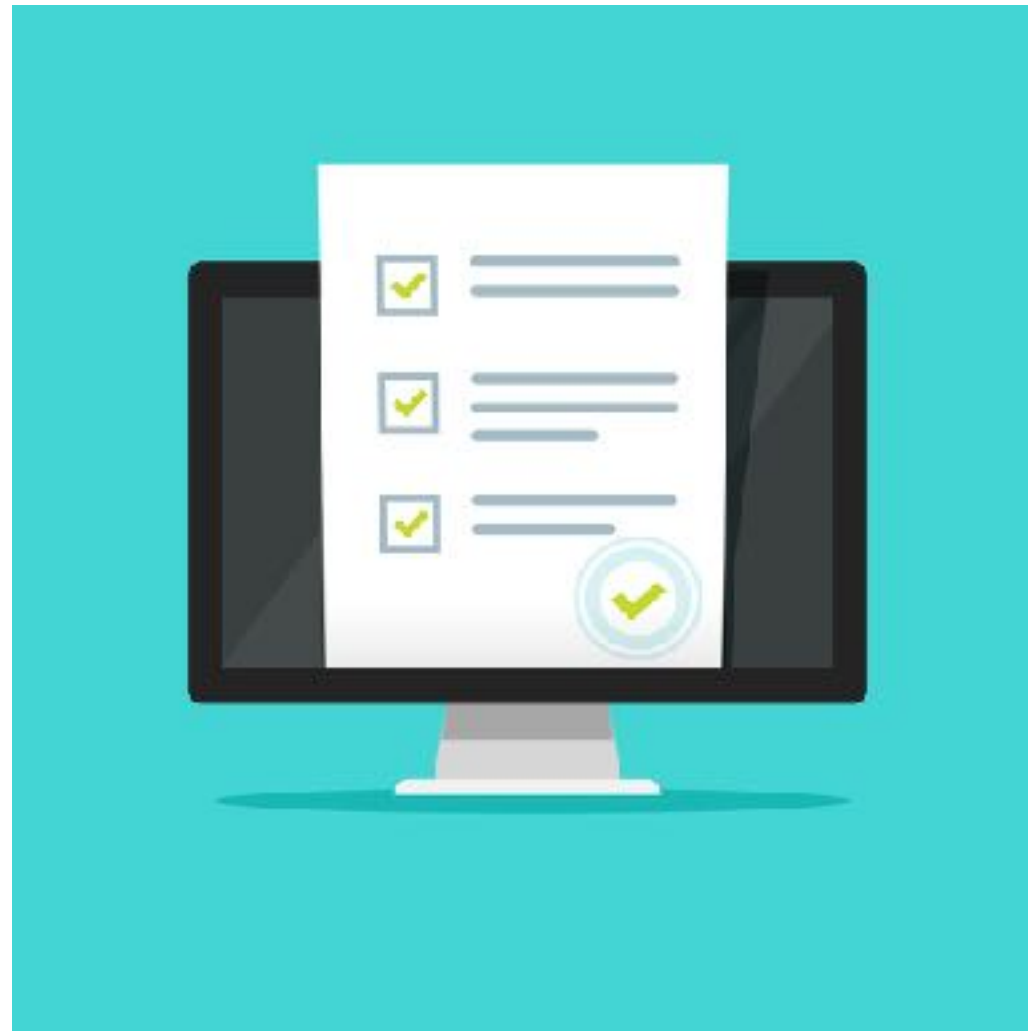
6 June 2012



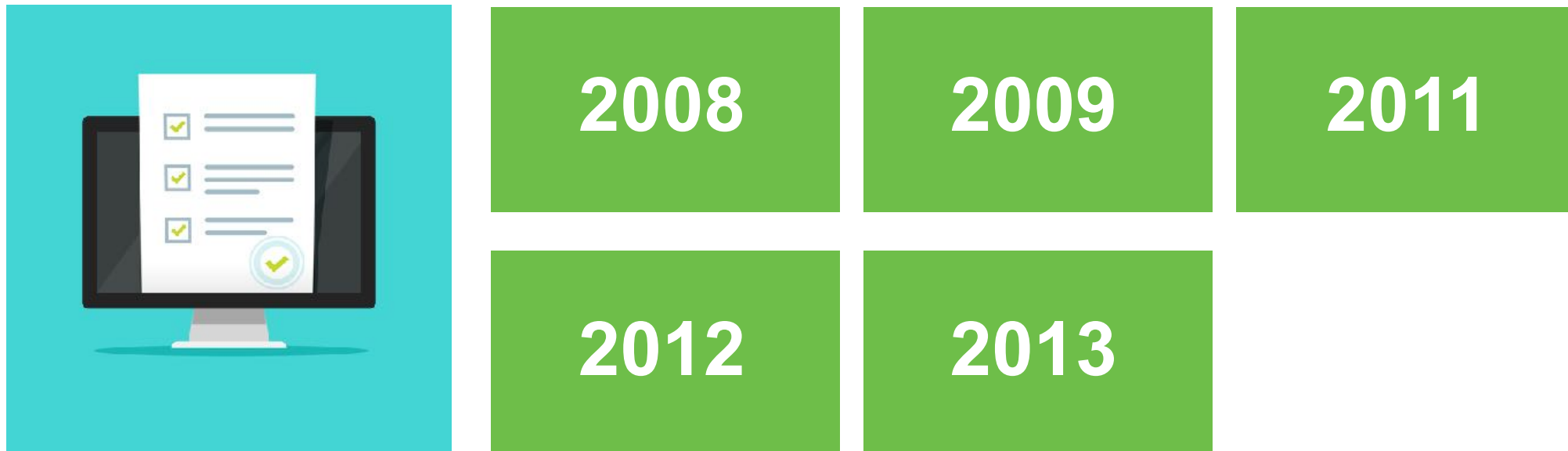
6 Years later...



6 June 2018



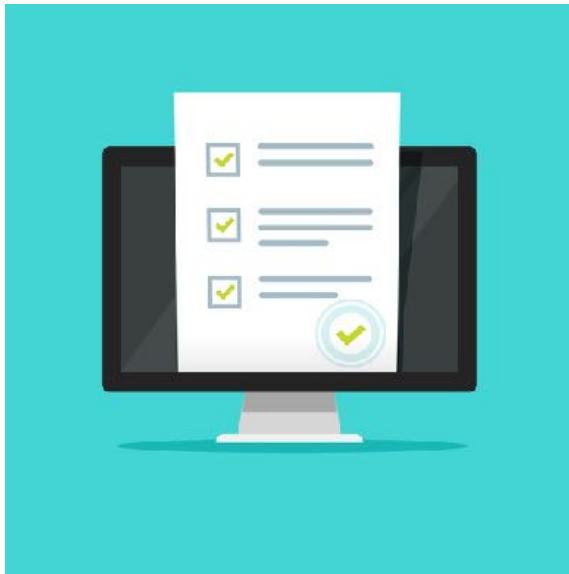
Once there was a survey



- **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**

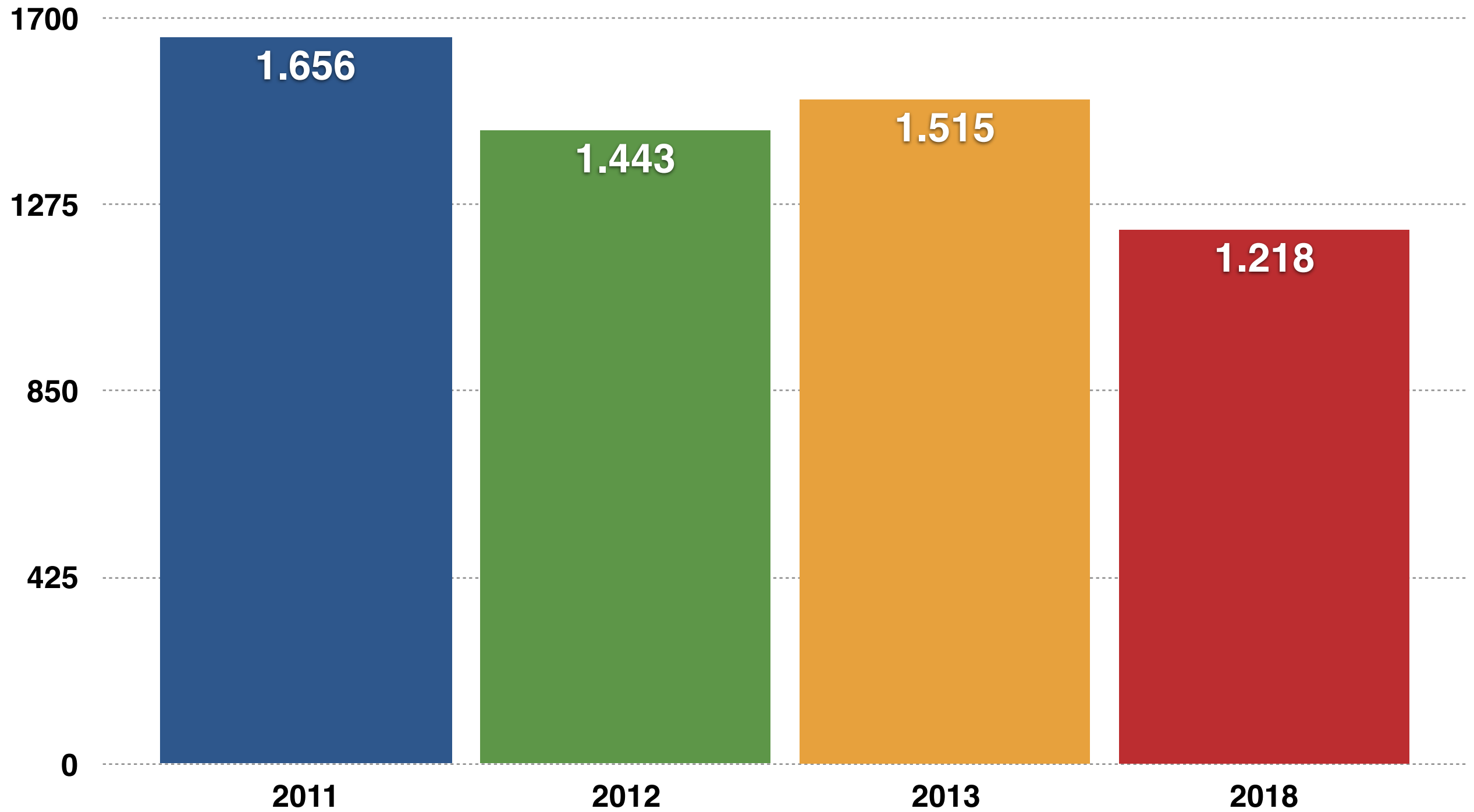


2018

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

- **Received 1218 responses**

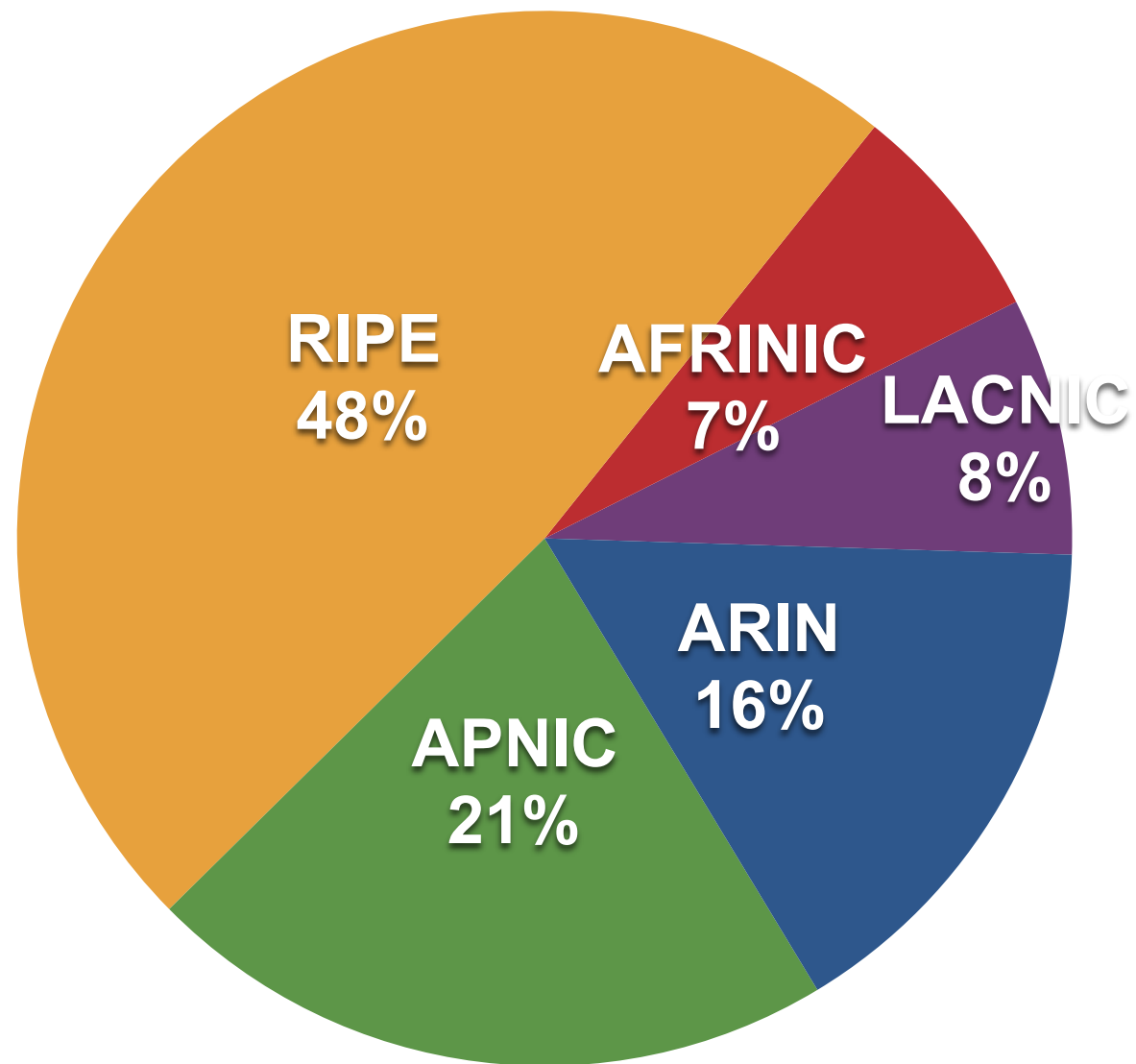
Number of responses per year



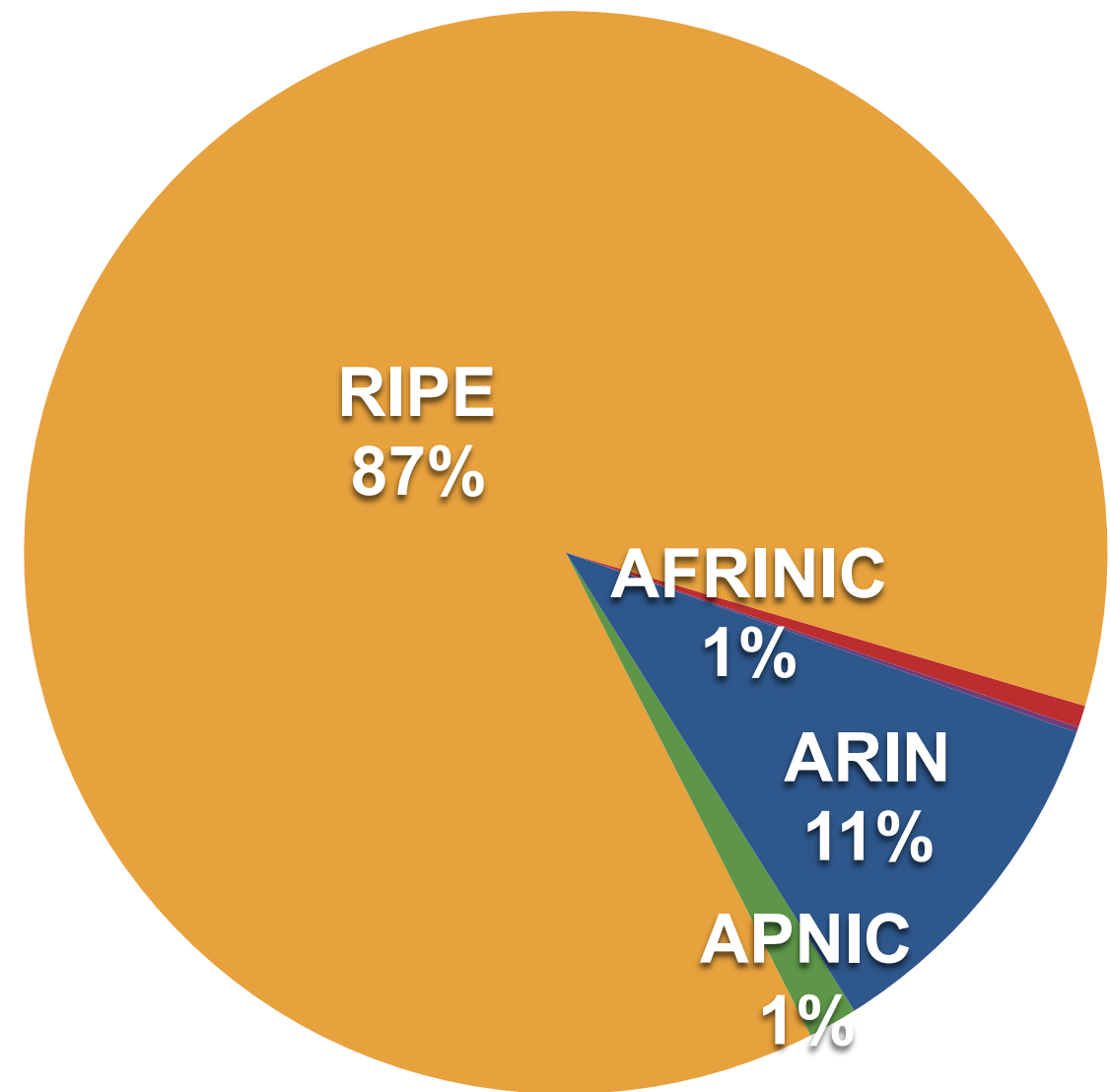
Number of responses per region



2013



2018



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

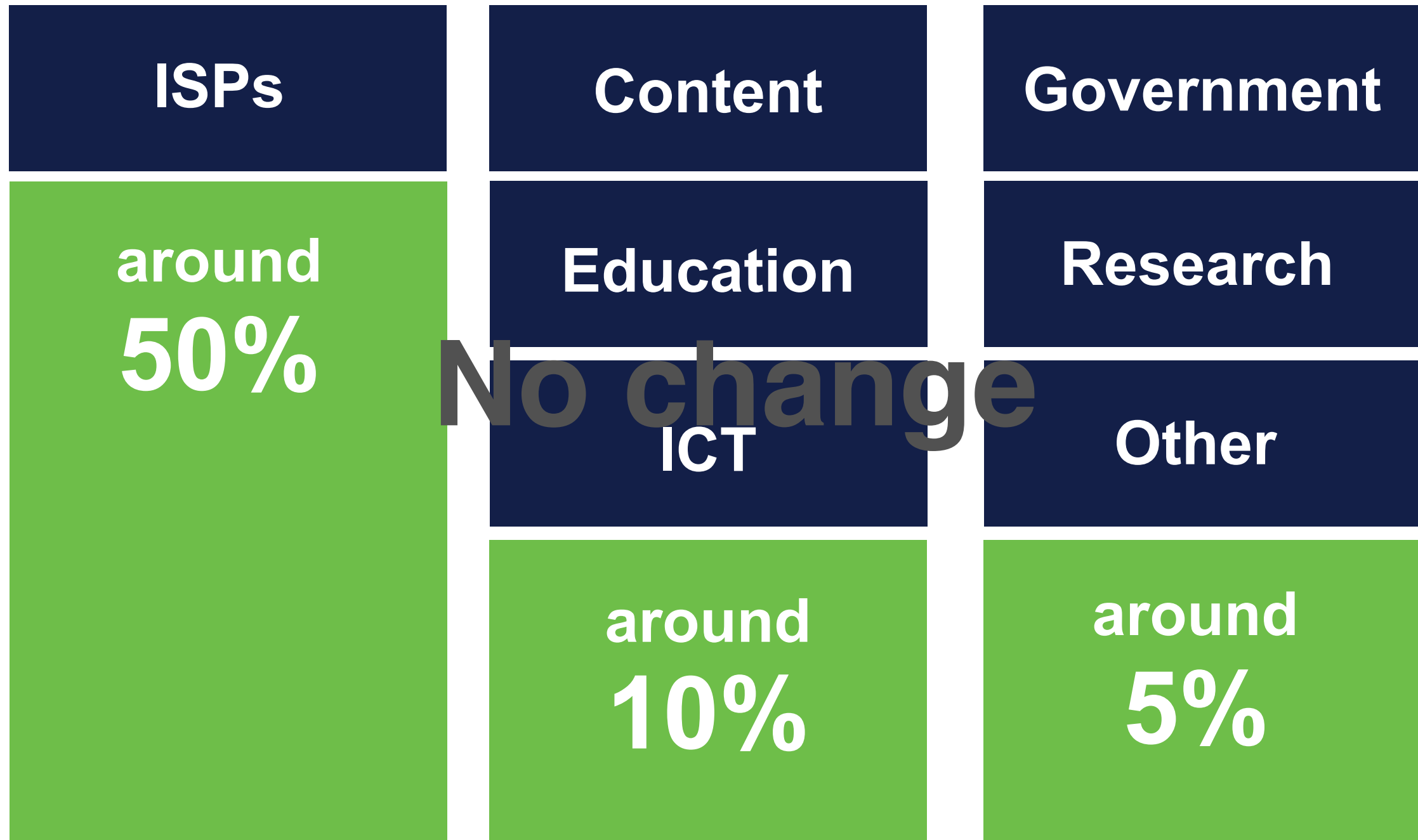
2018

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



Customer base size (ISP only)



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

The obvious data



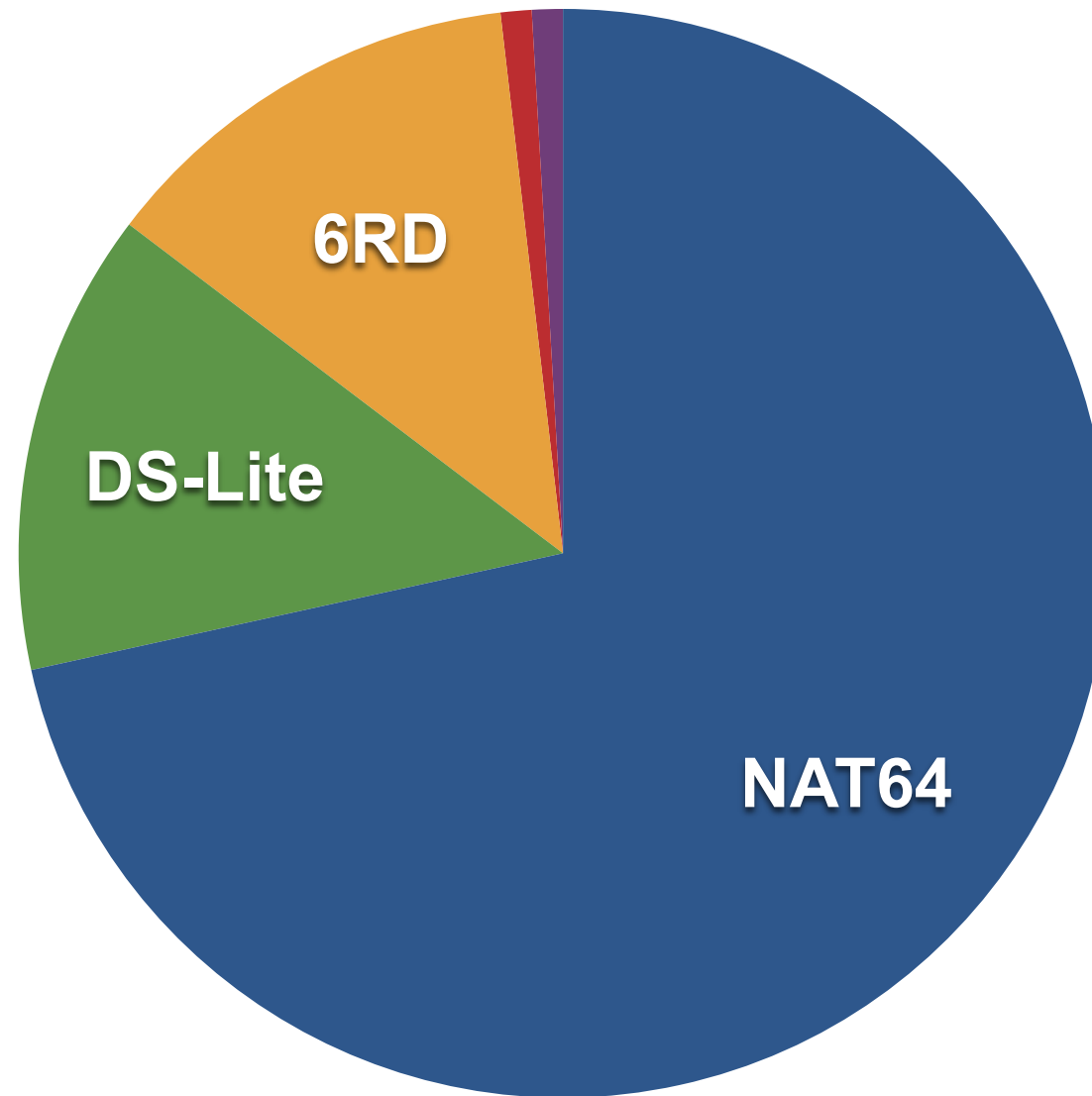
- **Hosted infrastructure from a 3rd party grew**
 - Most likely because of the cloud

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

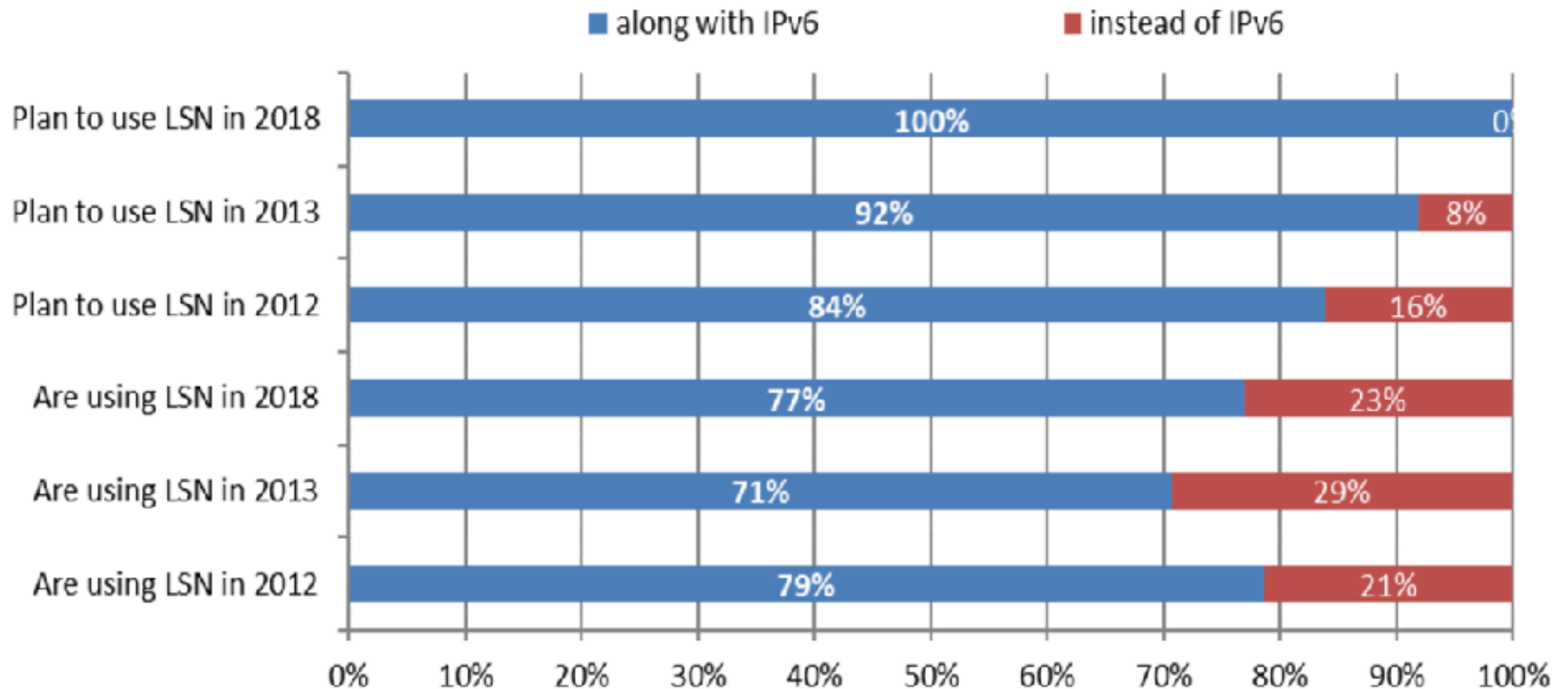


- **Important:** More than 50% does not use any

The good news



- Use/plan CGN with or instead of IPv6

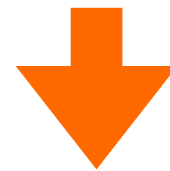


Quick reality check



Question:

What is the percentage of users/customers on IPv6?



Let's...

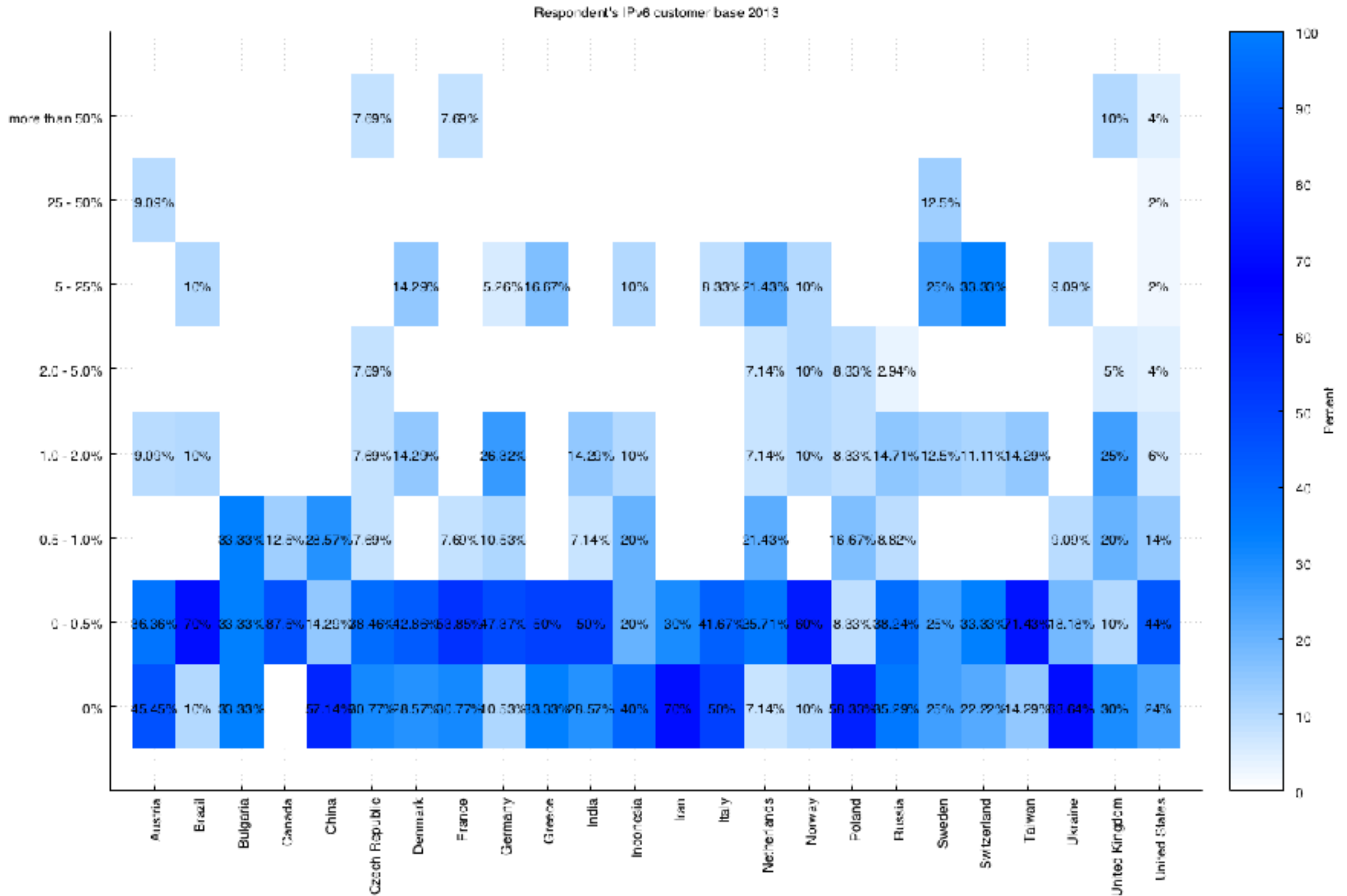
Create a heatmap divided by country



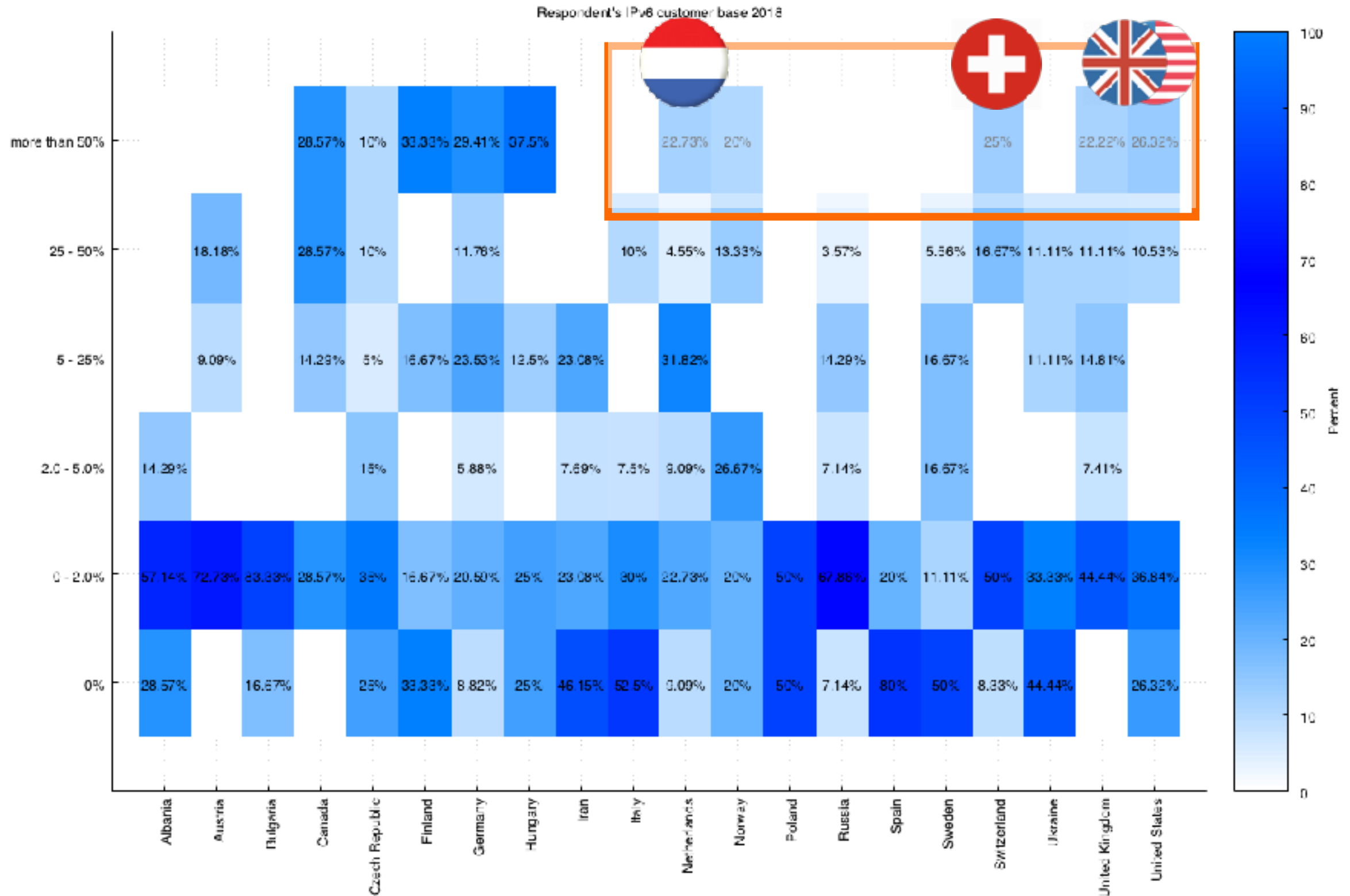
Check it against data from

Google, Eric Vyncke, APNIC, RIPEness

% of users on IPv6 - 2013



% of users on IPv6 - 2018



Future work



- **More analysis coming**
- **Share the data internally**
- **Work with other departments to identify interesting data**



Questions



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[@TrainingRIPENCC](#)

The End!

Край

Y Diwedd

النهاية

Соңы

ჟღერა

Fí

Finis

Ende

Finvezh

Liðugt

Кінець

Konec

Kraj

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Fund

پایان

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Beigas

Vége

Son

Край

An Críoch

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Канец

Конец

Slut

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დასასრული

Pabaiga

Fim

Амаіа

Lopru

Tmíem

Koniec