IPv4 Transfers in the RIPE NCC Service Region

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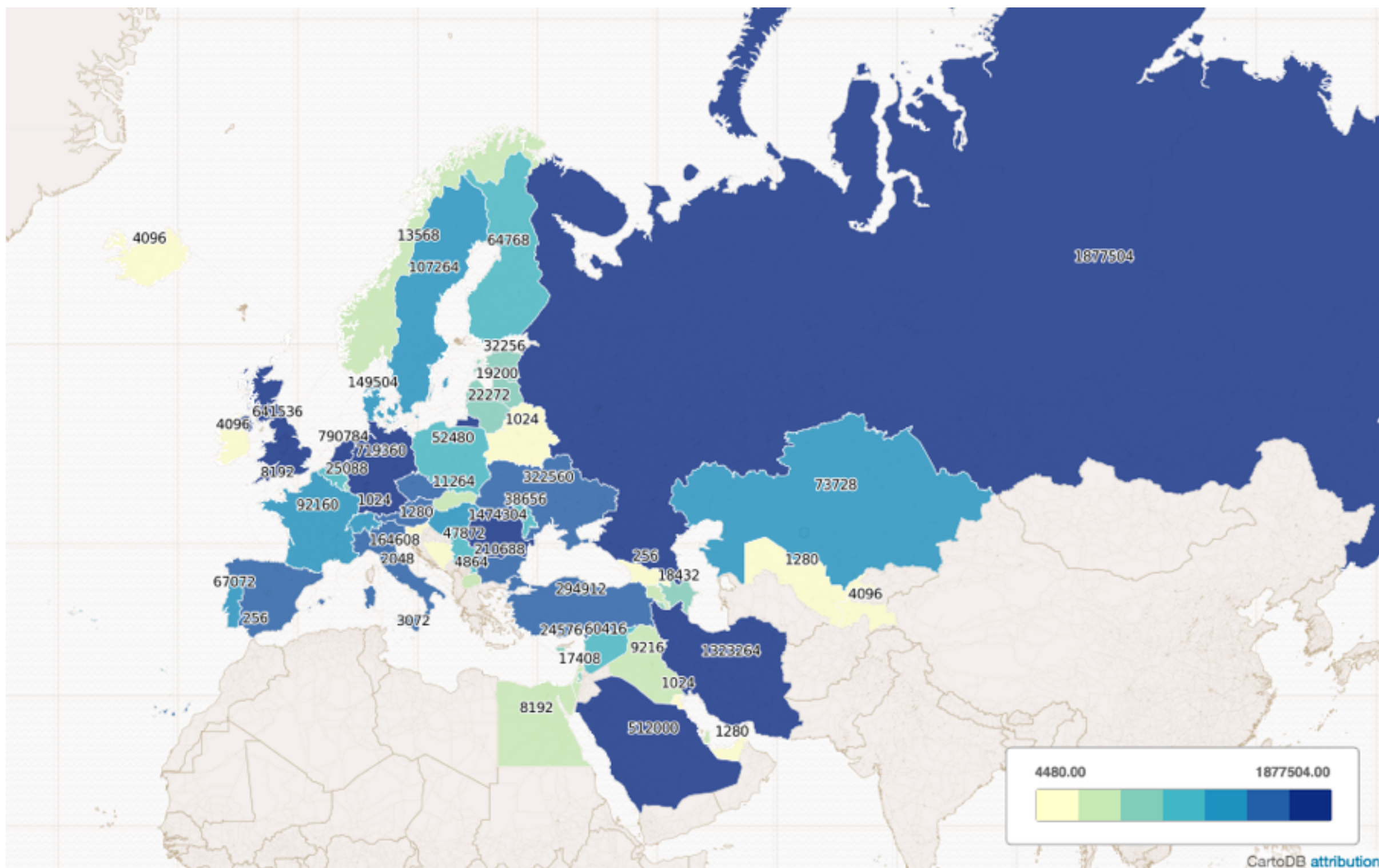
Mirjam Kühne | TREX Meeting | June 2016

Resource Transfers

- All Internet number resources can be transferred within the RIPE NCC service region

- IPv4 transfers:

  - 919 in 2014 / 2,701 in 2015 / 662 so far in 2016

- Some IPv6 (98) and ASNs (252), mostly when all of an LIR's resources are transferred

https://www.ripe.net/manage-ips-and-asns/resource-transfers-and-mergers/transfers

IPv4 Transfers

Top-ten Transfer Countries

- By IPv6 transfer market size

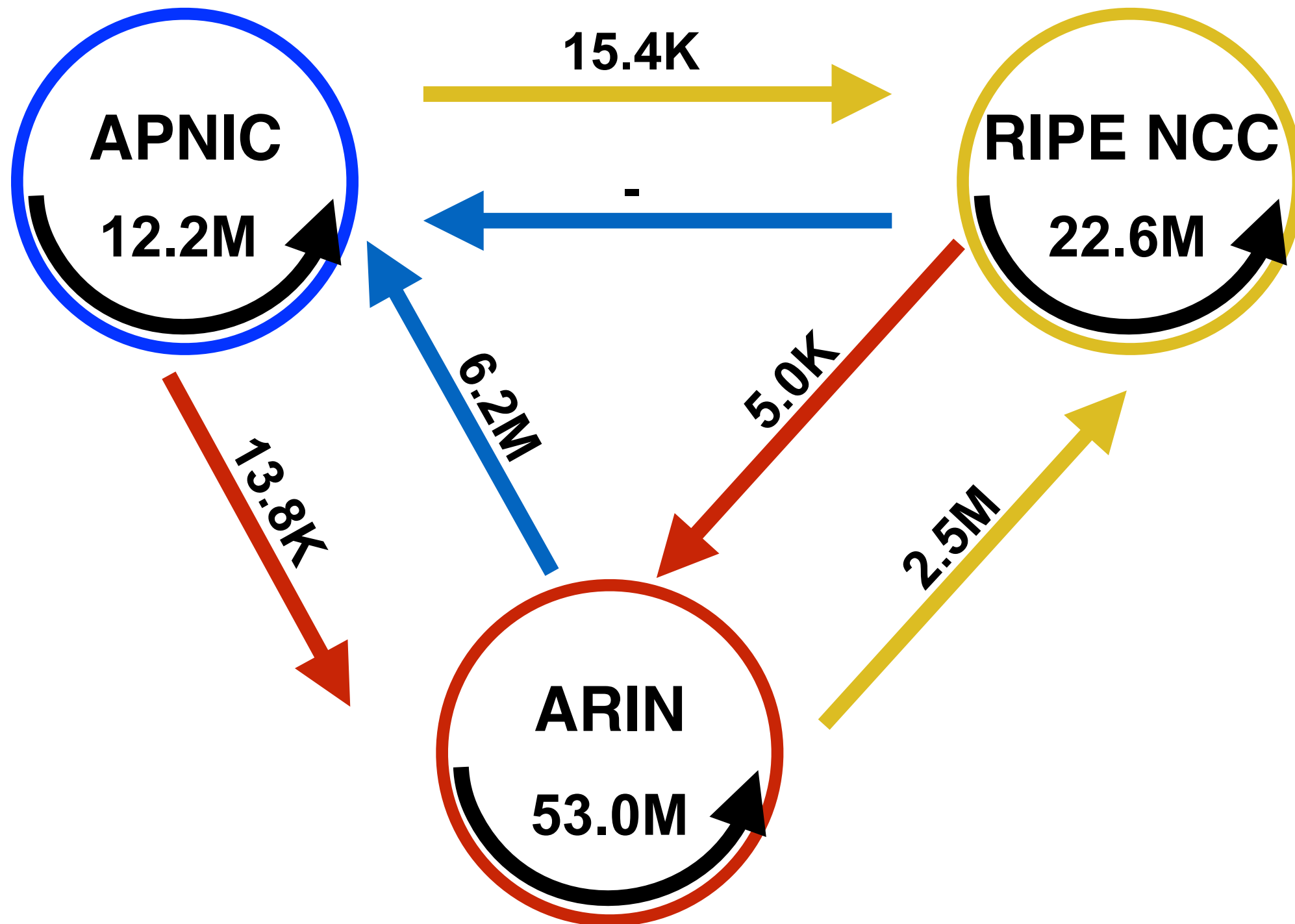| Country	Imports	Imported IPv4	Exports	Exported IPv4	Domestic Transfers	Domestic IPv4	Market Size
RU	11	6400	108	635136	268	1235968	1877504
RO	9	3072	386	1033728	627	437504	1474304
IR	113	823296	3	2304	32	497664	1323264
NL	62	421888	29	124672	44	244224	790784
DE	53	80896	54	421120	63	217344	719360
GB	80	115968	27	340992	51	184576	641536
SA	9	509952	0	0	1	2048	512000
ES	73	455168	10	10240	25	38656	504064
UA	7	20224	14	72960	56	229376	322560
TR	14	11008	2	16384	8	267520	294912

Inter-RIR Transfers

- Policy was implemented in September 2015

- Since then we've seen 51 inter-RIR transfers:

  - All but two were to the RIPE NCC service region

  - 44 from ARIN, five from APNIC

- ASNs can also be transferred with APNIC but there have been none so far

Inter-RIR Transfers

RIPE NCC IPv4 Listing Service

- Lists available and requested IPv4 addresses

  - By prefix size

  - Total available IPv4 addresses: 610,336

  - Total requested IPv4 addresses: 51,377,072

- RIPE NCC does not get involved in transaction

  - Most important goal: RIPE registry accuracy

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Questions

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