

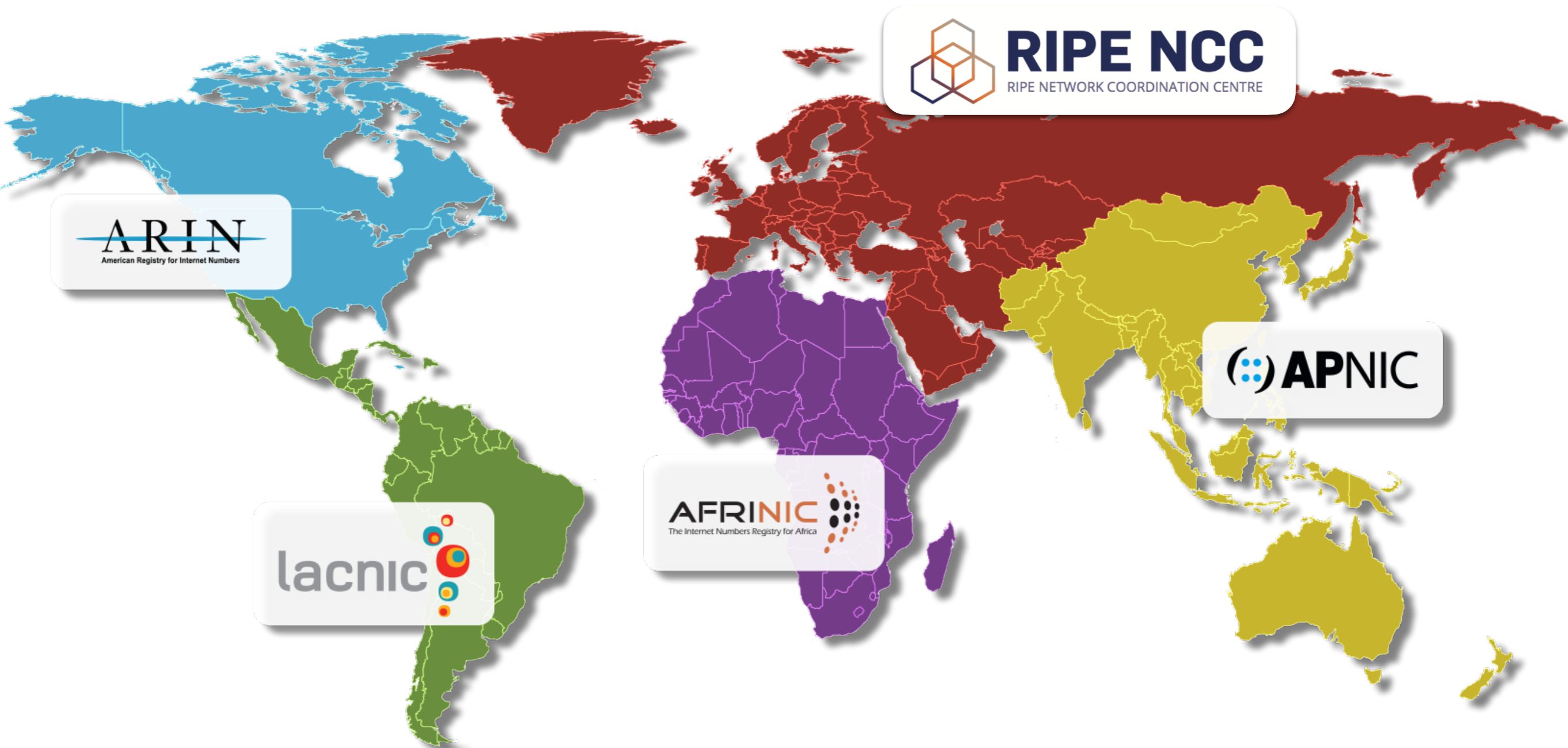


**RIPE NCC**  
RIPE NETWORK COORDINATION CENTRE

# An Overview of the RCC Region

Serge Radovcic  
Chief Communications Officer

# Regional Internet Registry (RIR)



Regional Internet Registries (RIRs) manage, distribute, and register Internet number resources within their respective regions.

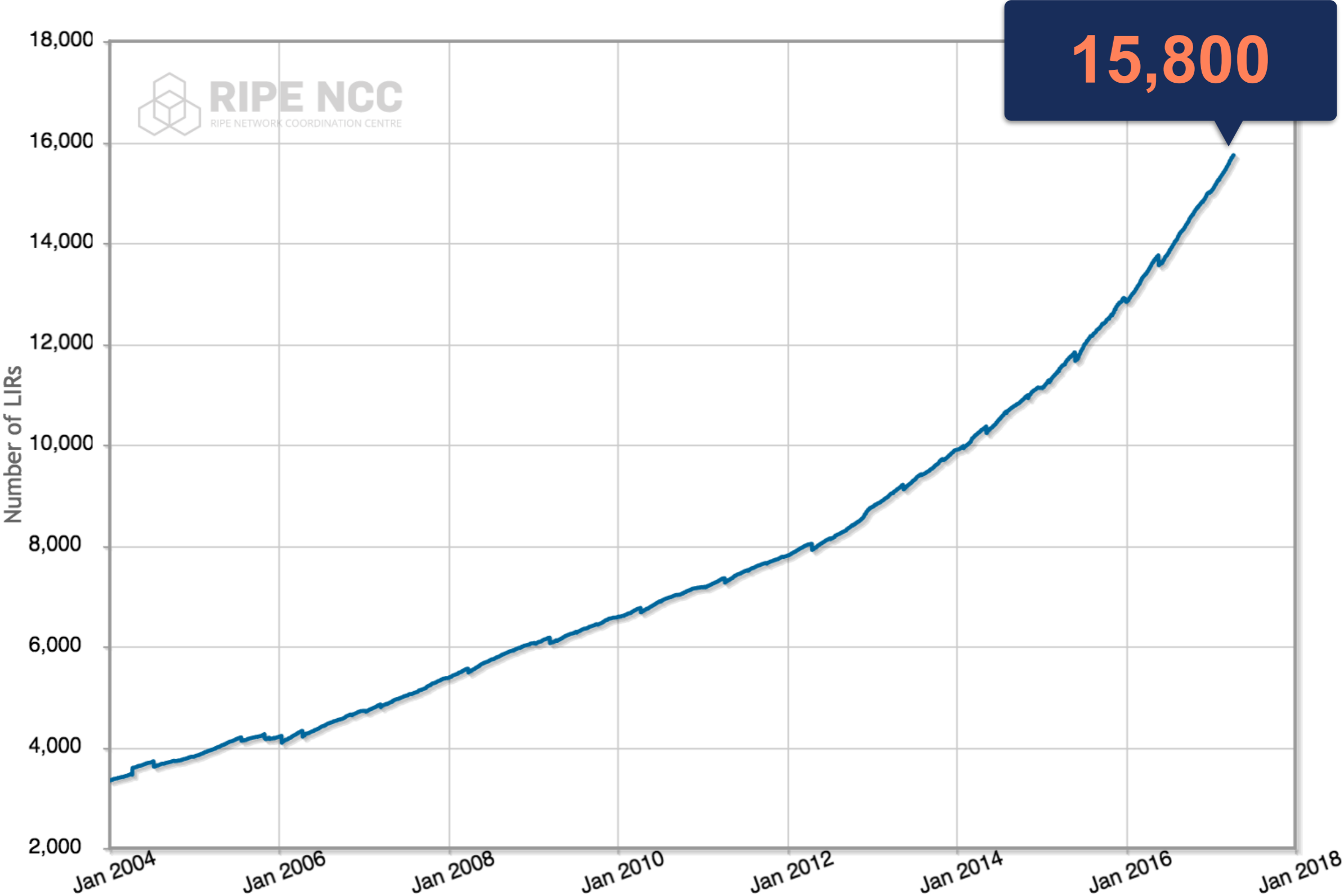
# RIPE NCC Service Region



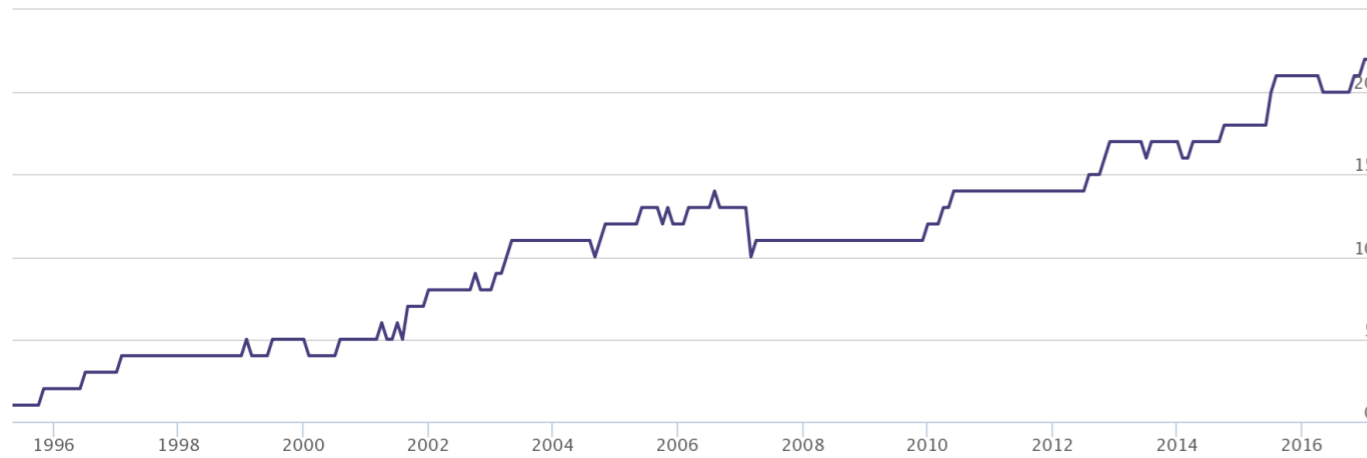
- 76 countries across diverse region



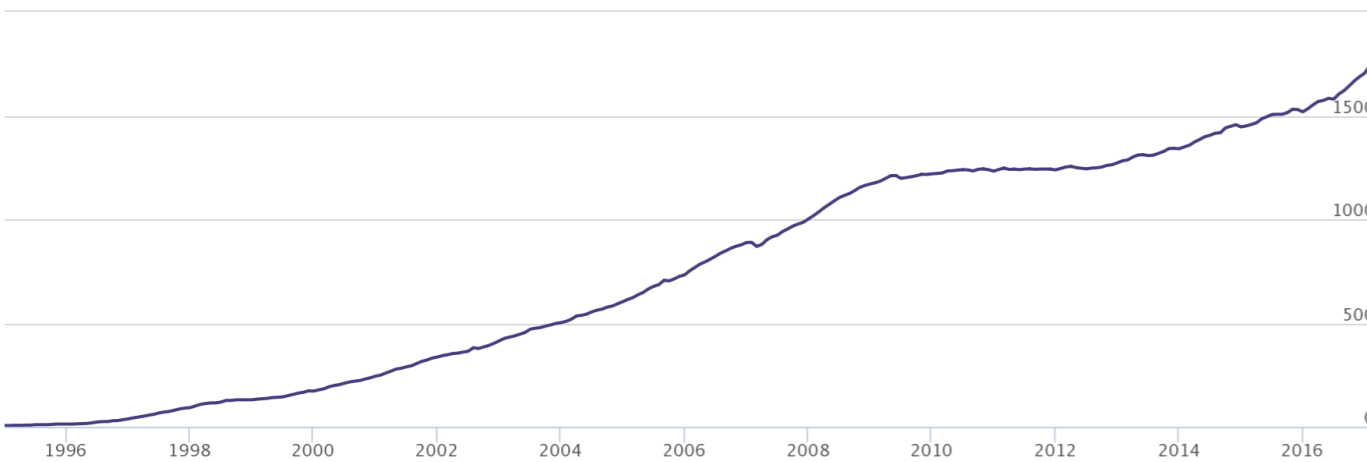
# RIPE NCC Membership Today



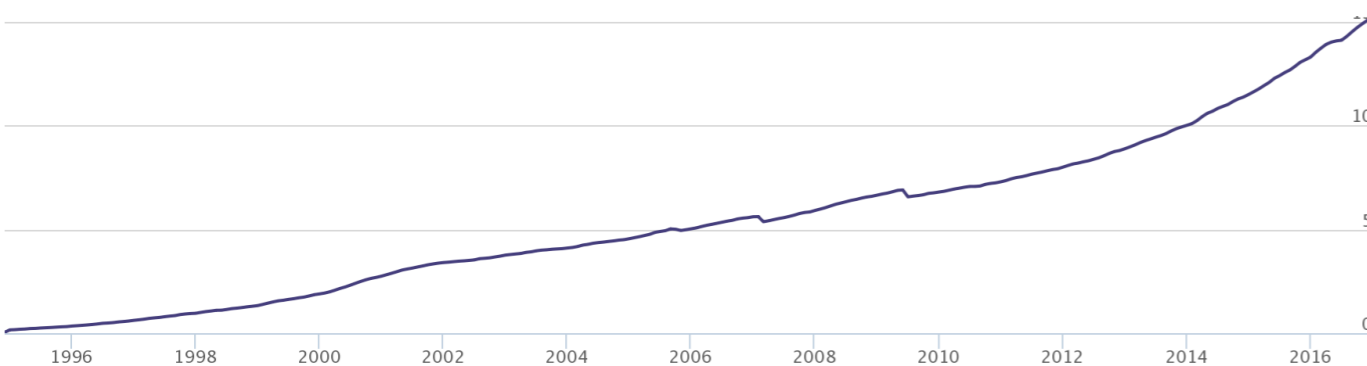
# RIPE NCC Membership Growth



Belarus

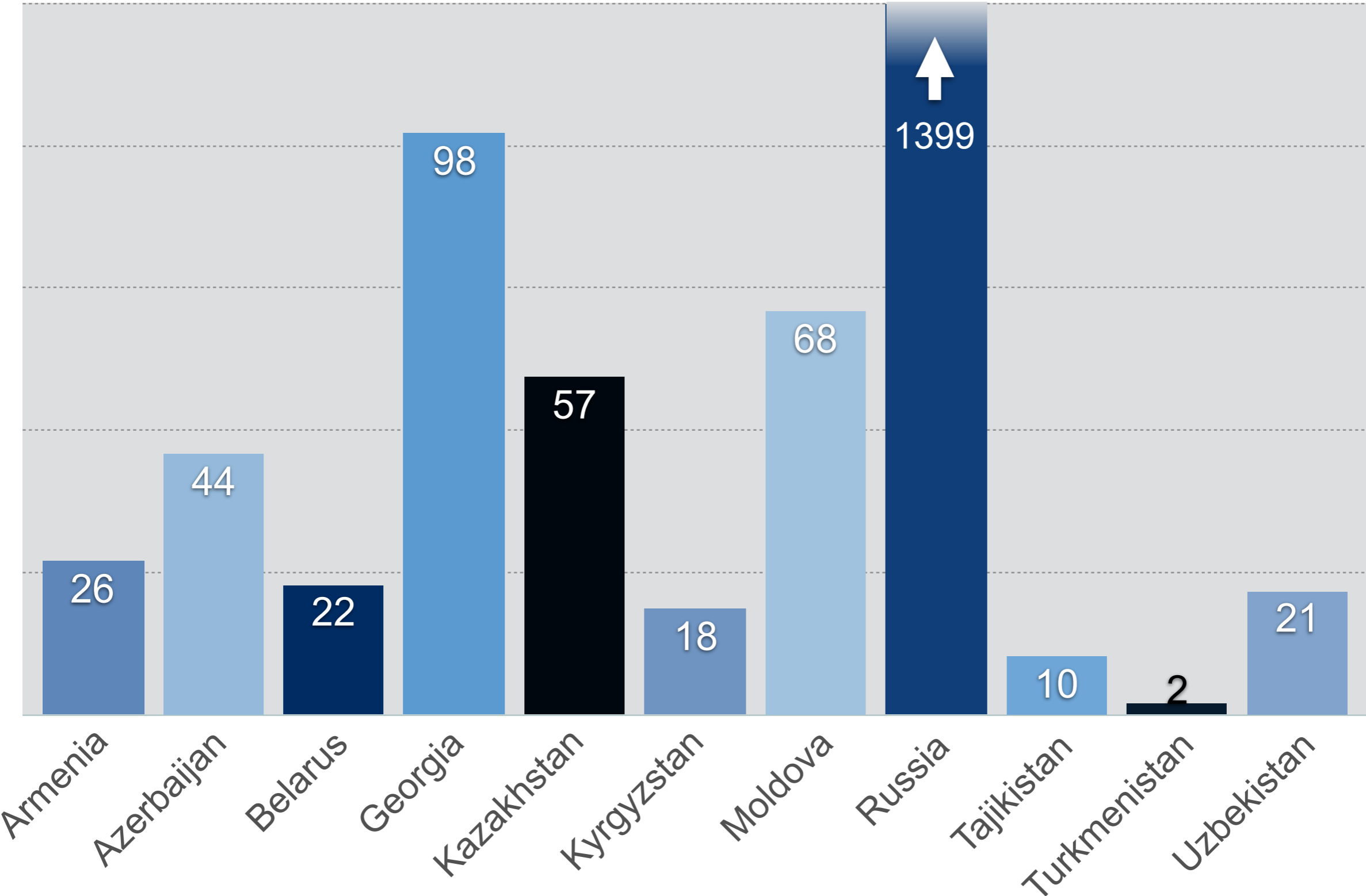


RCC region

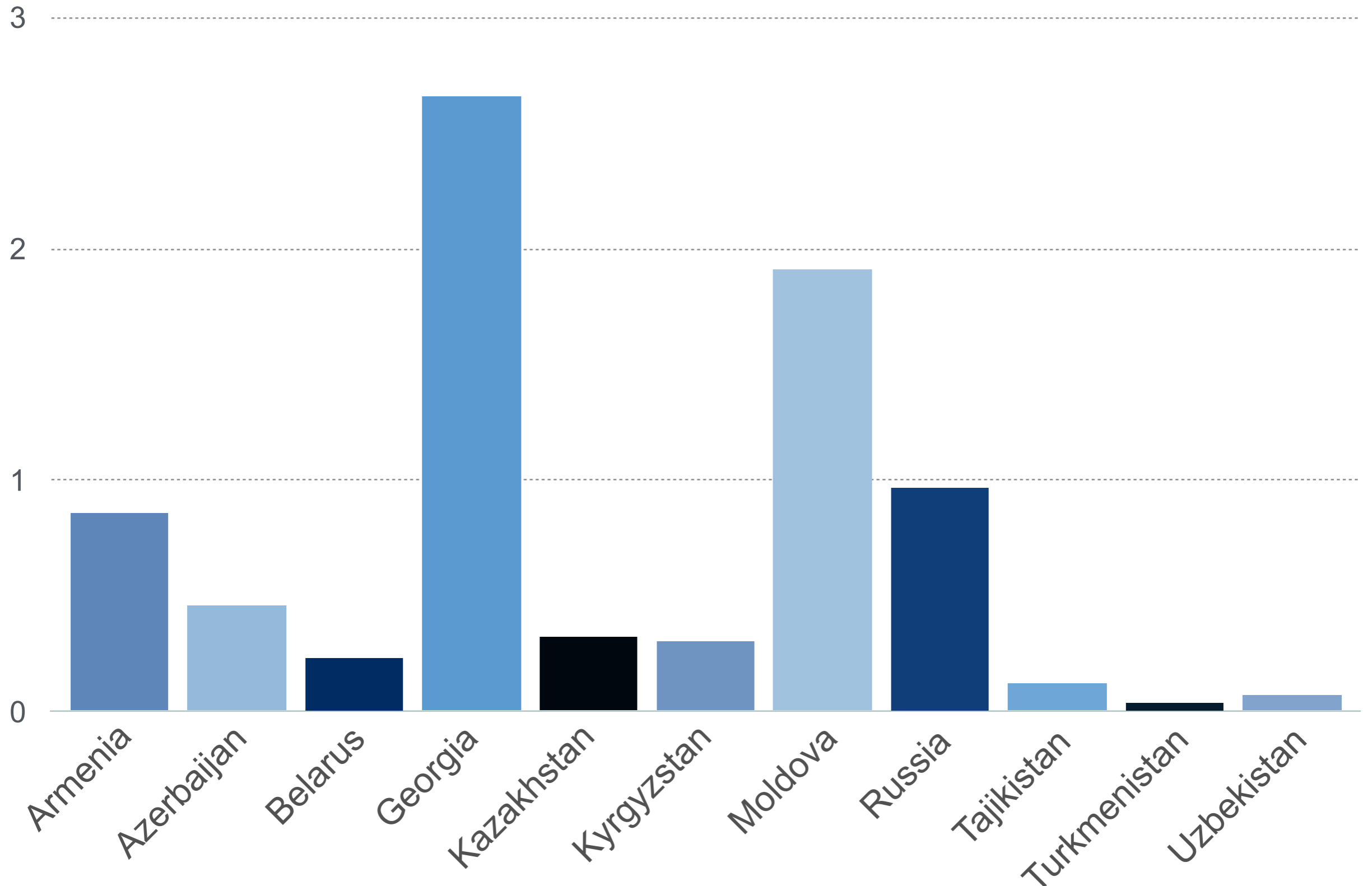


RIPE NCC region

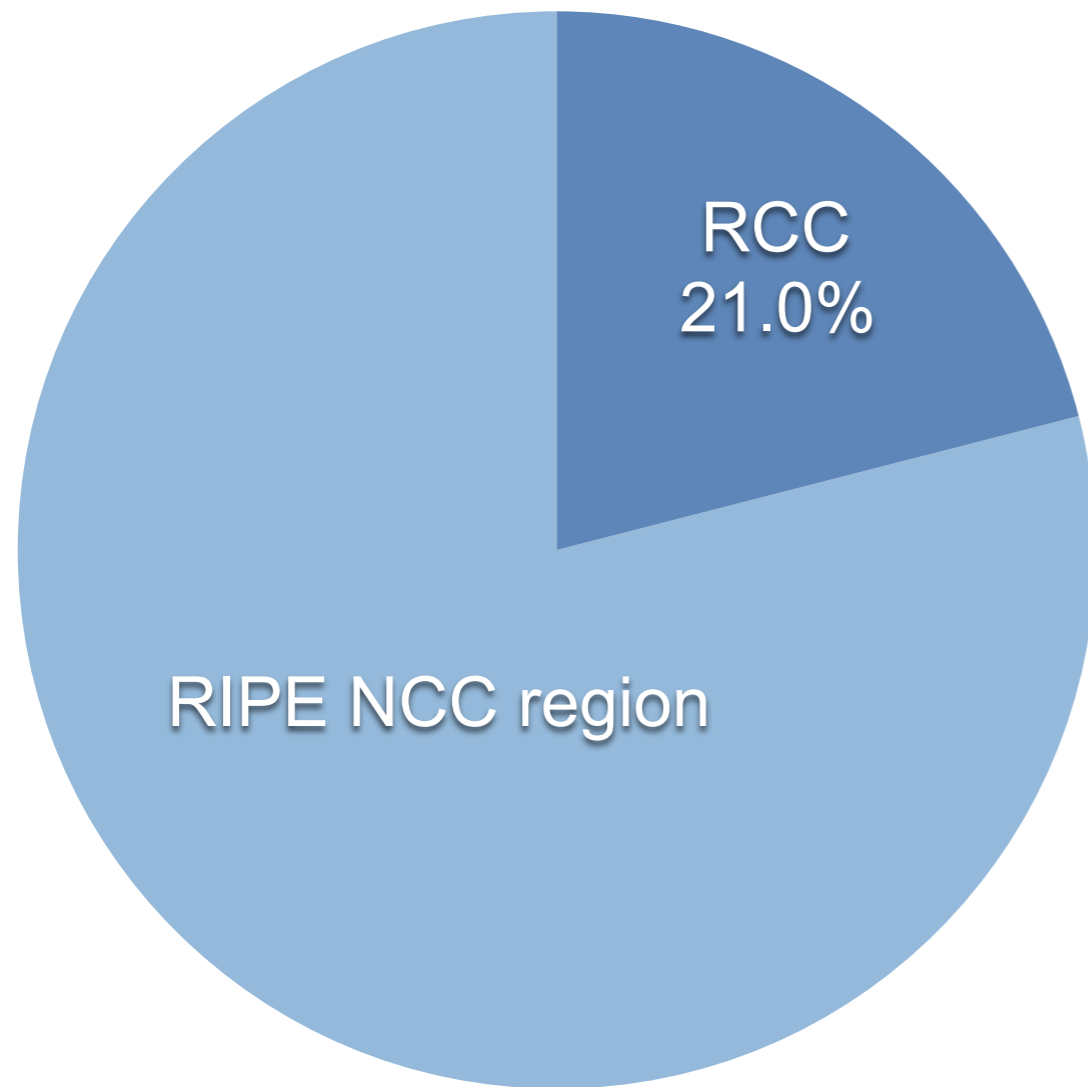
# RIPE NCC Membership - RCC



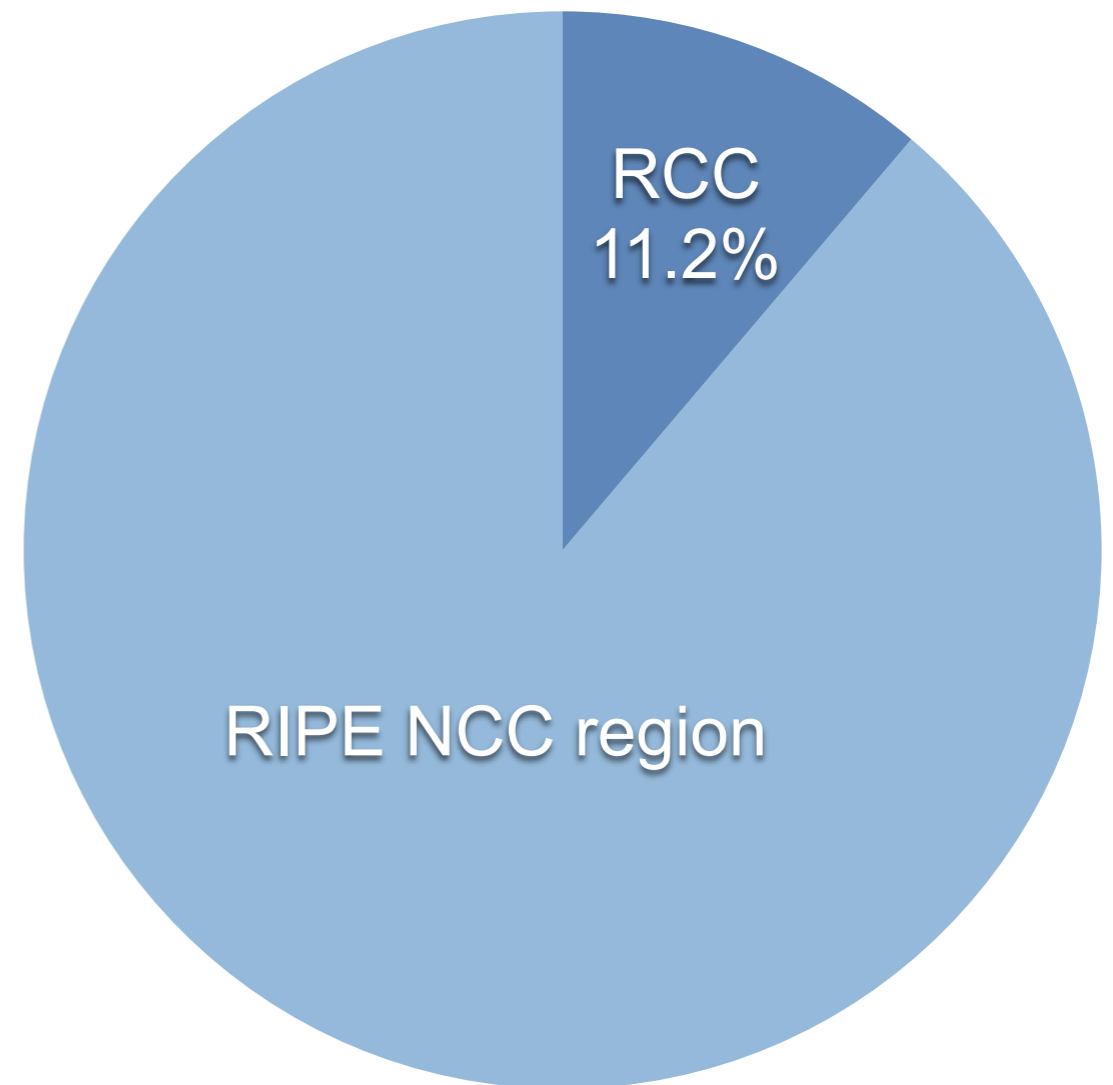
# Members per Capita (x 100,000)



# RCC Representation: Membership



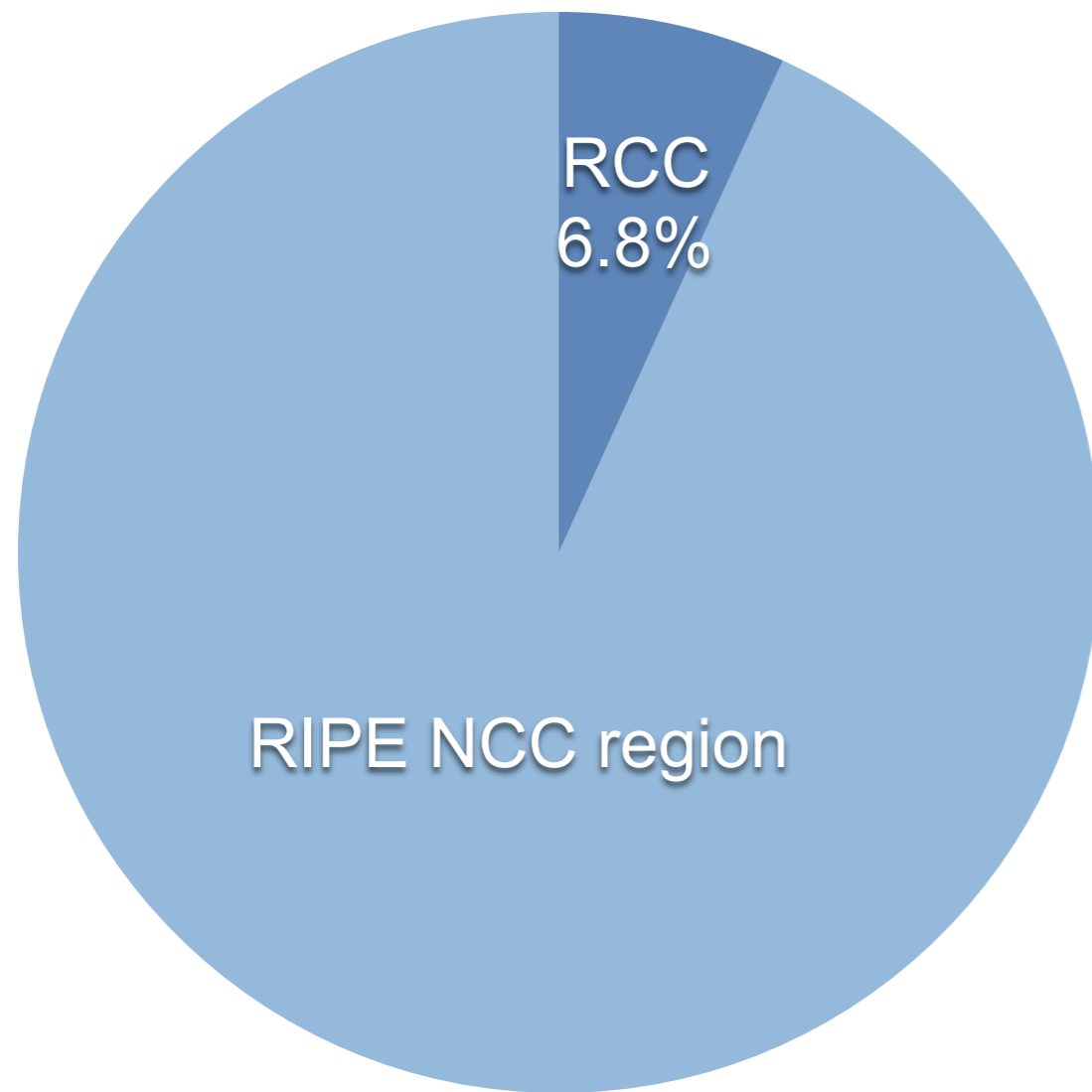
Population



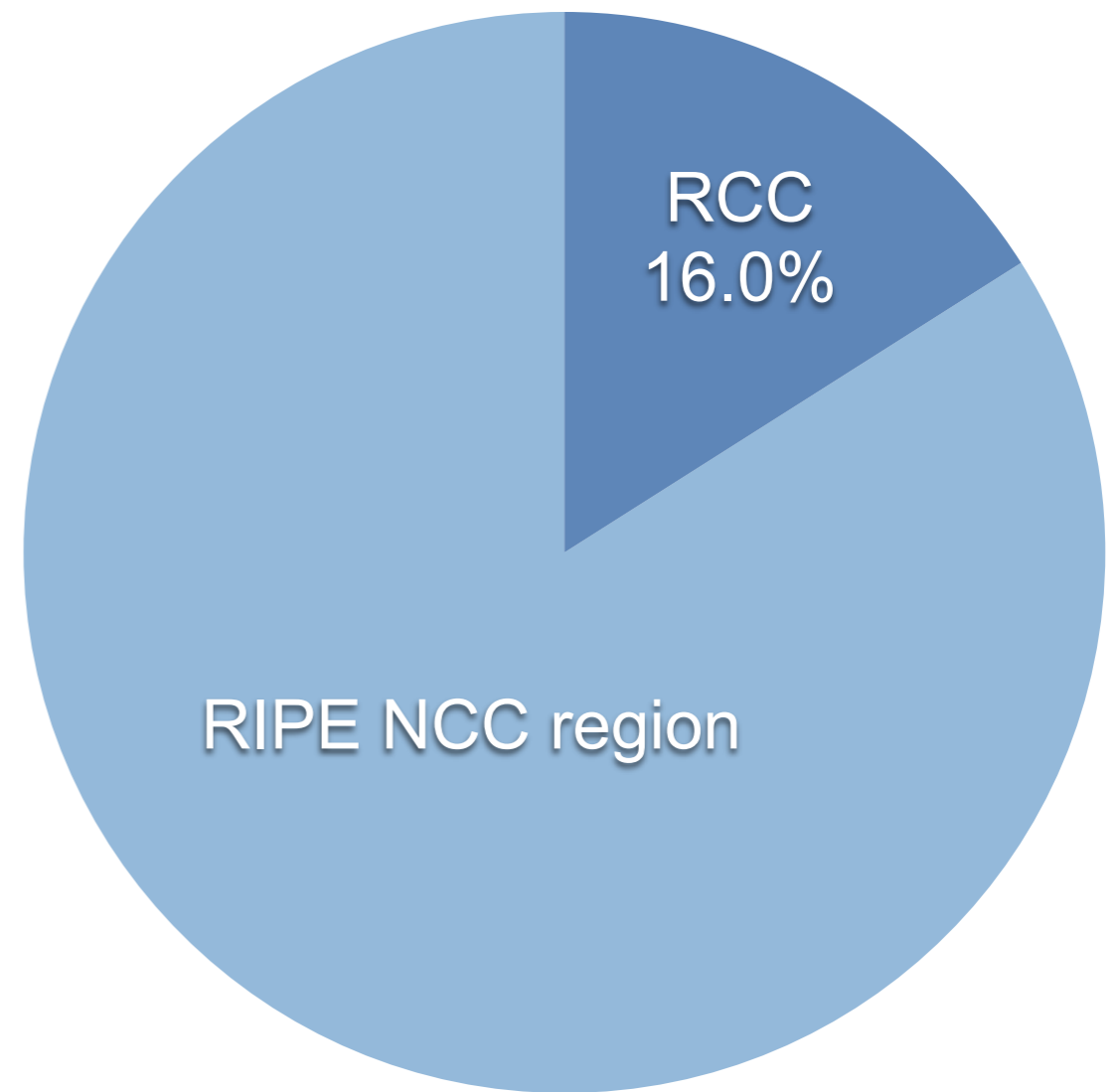
Membership



# RCC Representation: Address Space



IPv4 Space

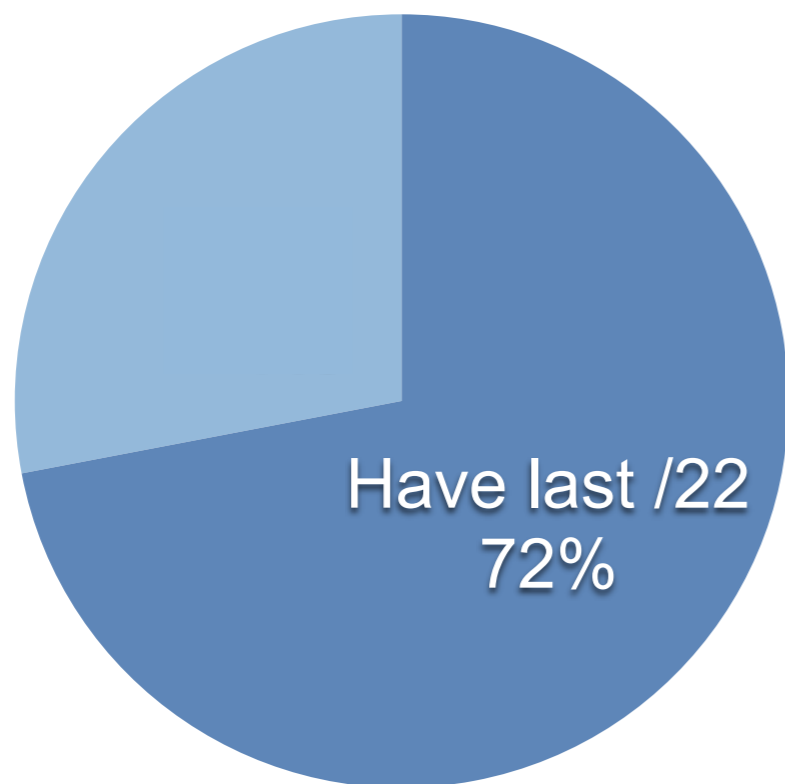


Networks  
(ASNs)

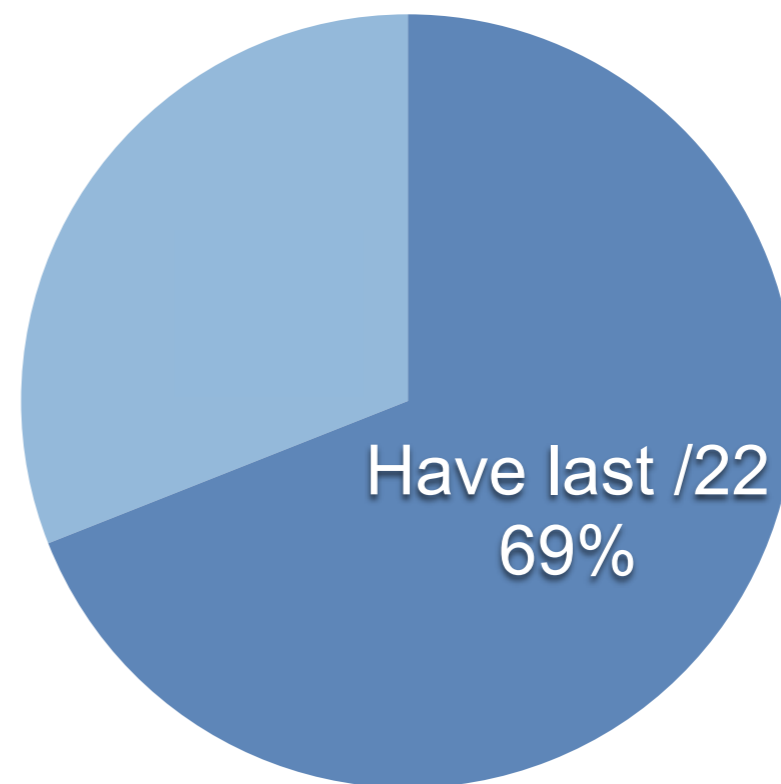


# Members with Last /22 of IPv4

- RIPE Policy on IPv4 runout allows each member a final /22 (1,024) of IPv4 address space
- Allows new members to transition to IPv6

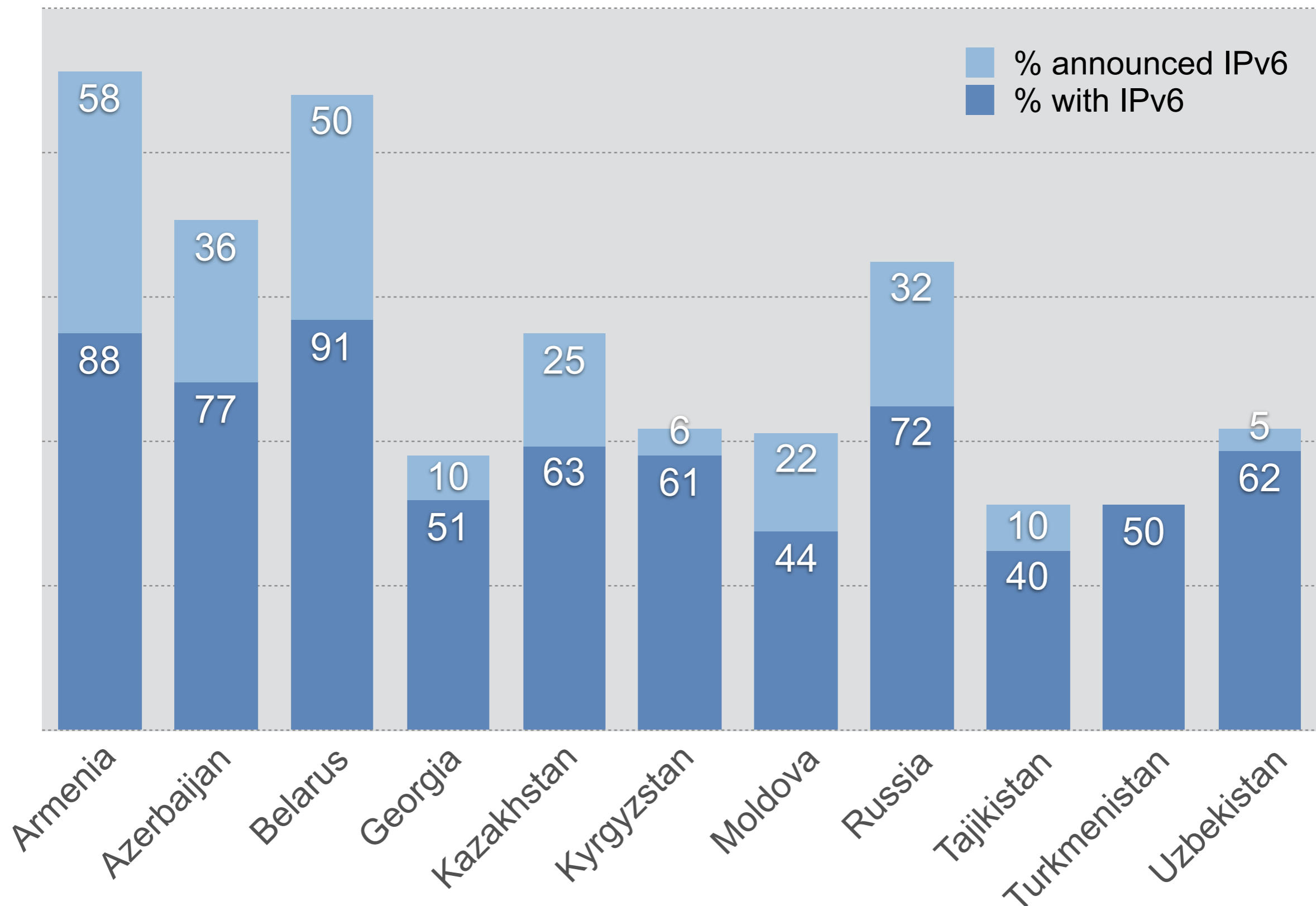


RCC Region

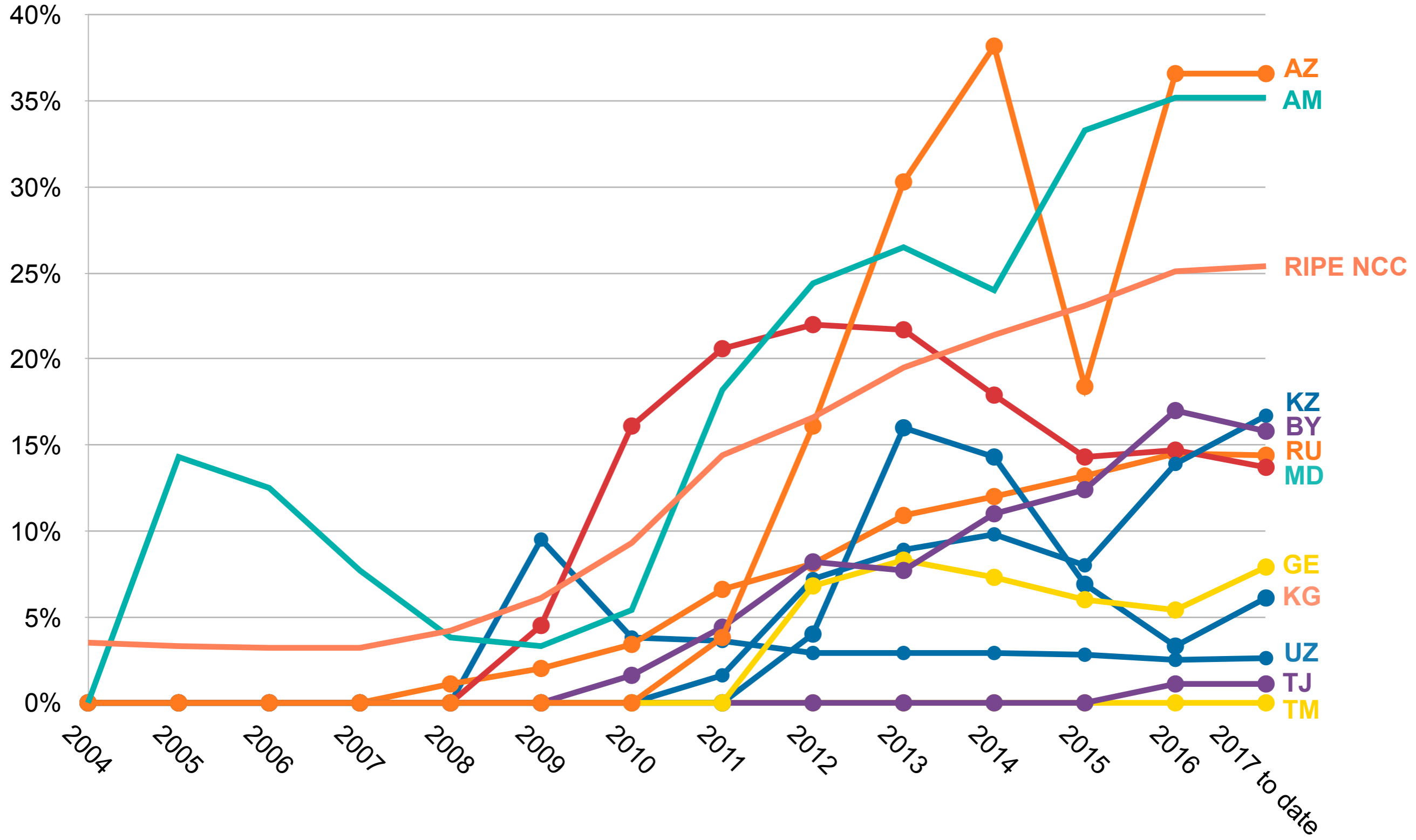


RIPE NCC Region

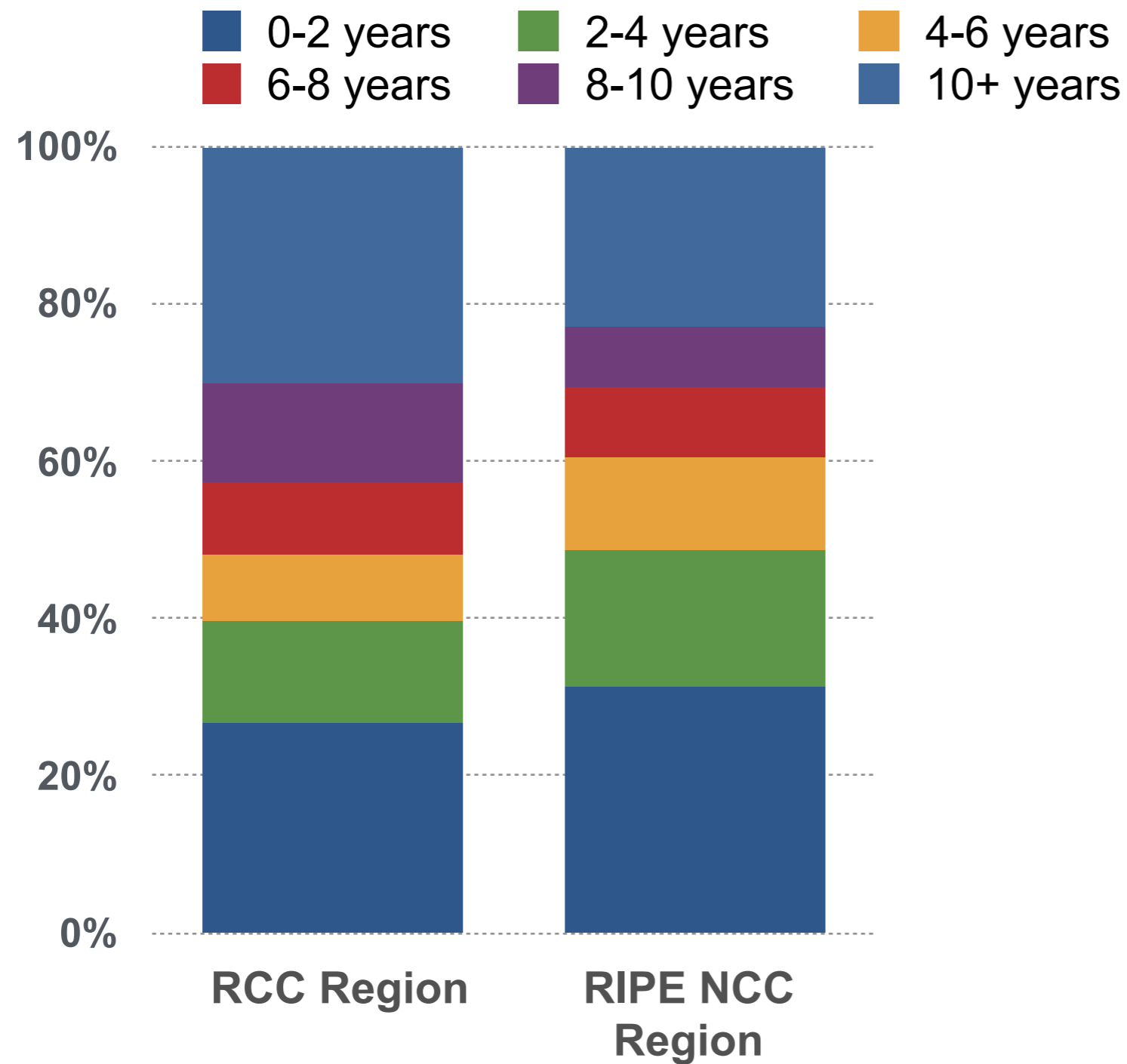
# Percentage of Members with IPv6



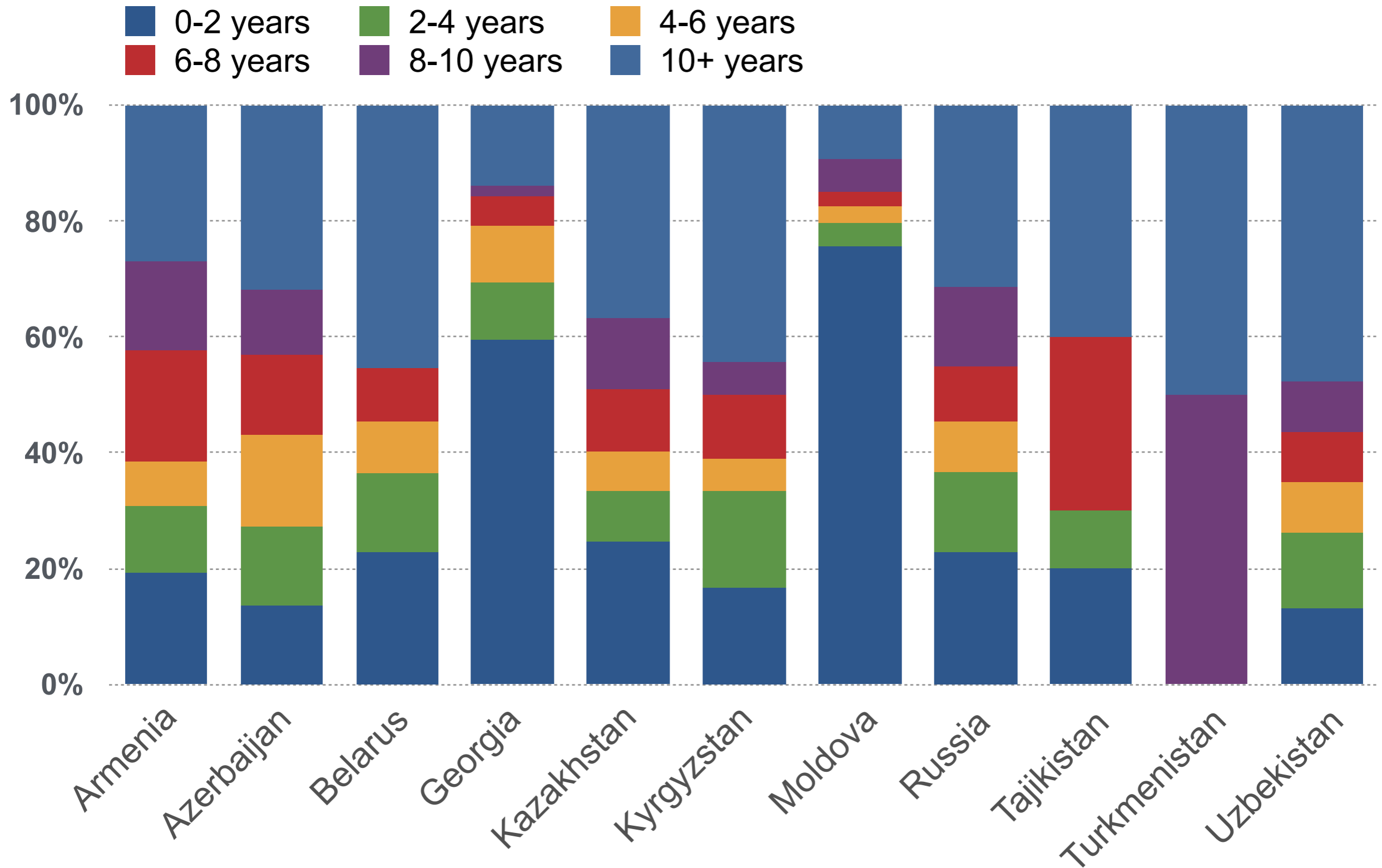
# Networks Announcing IPv6



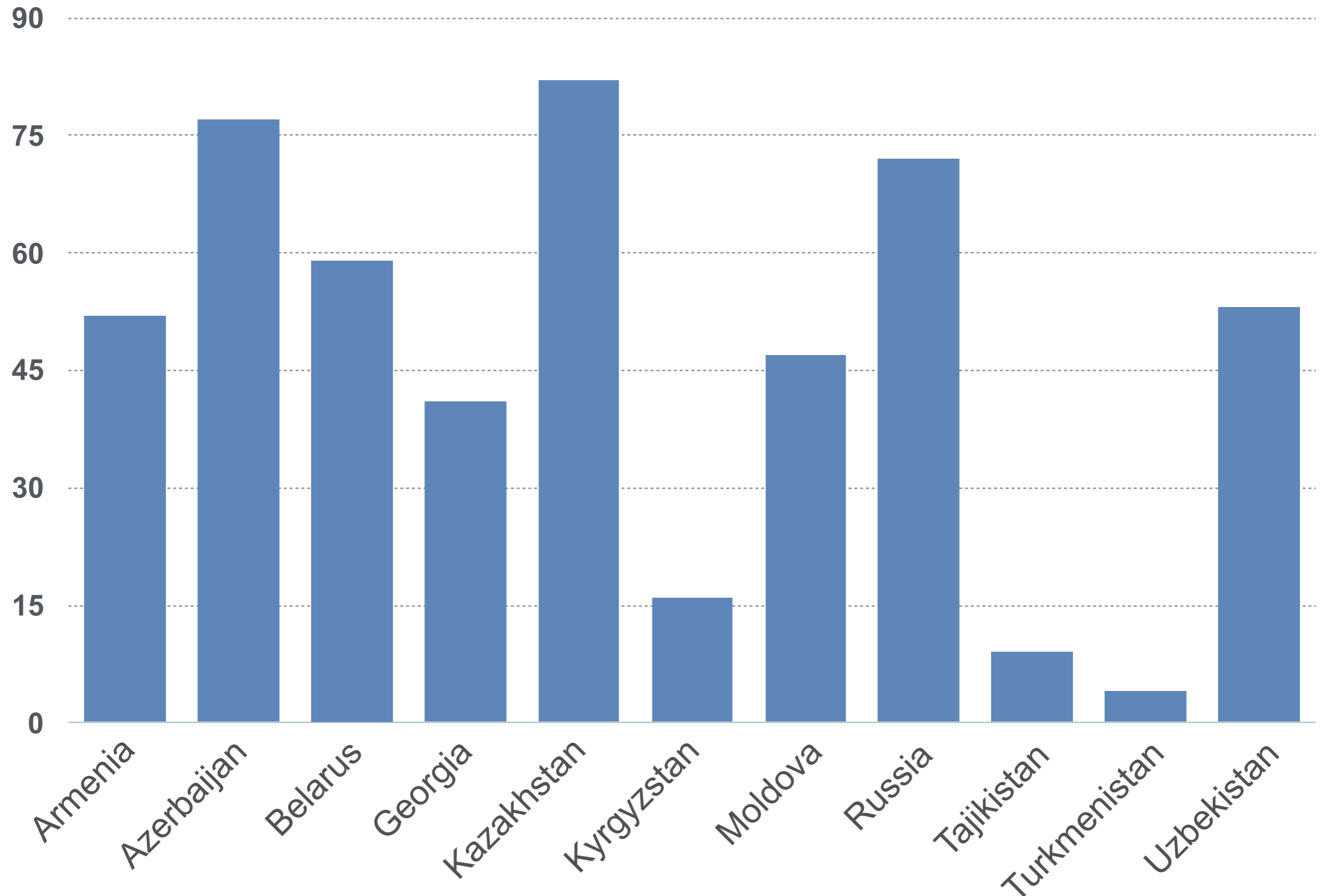
# RCC Members' Age vs. Average



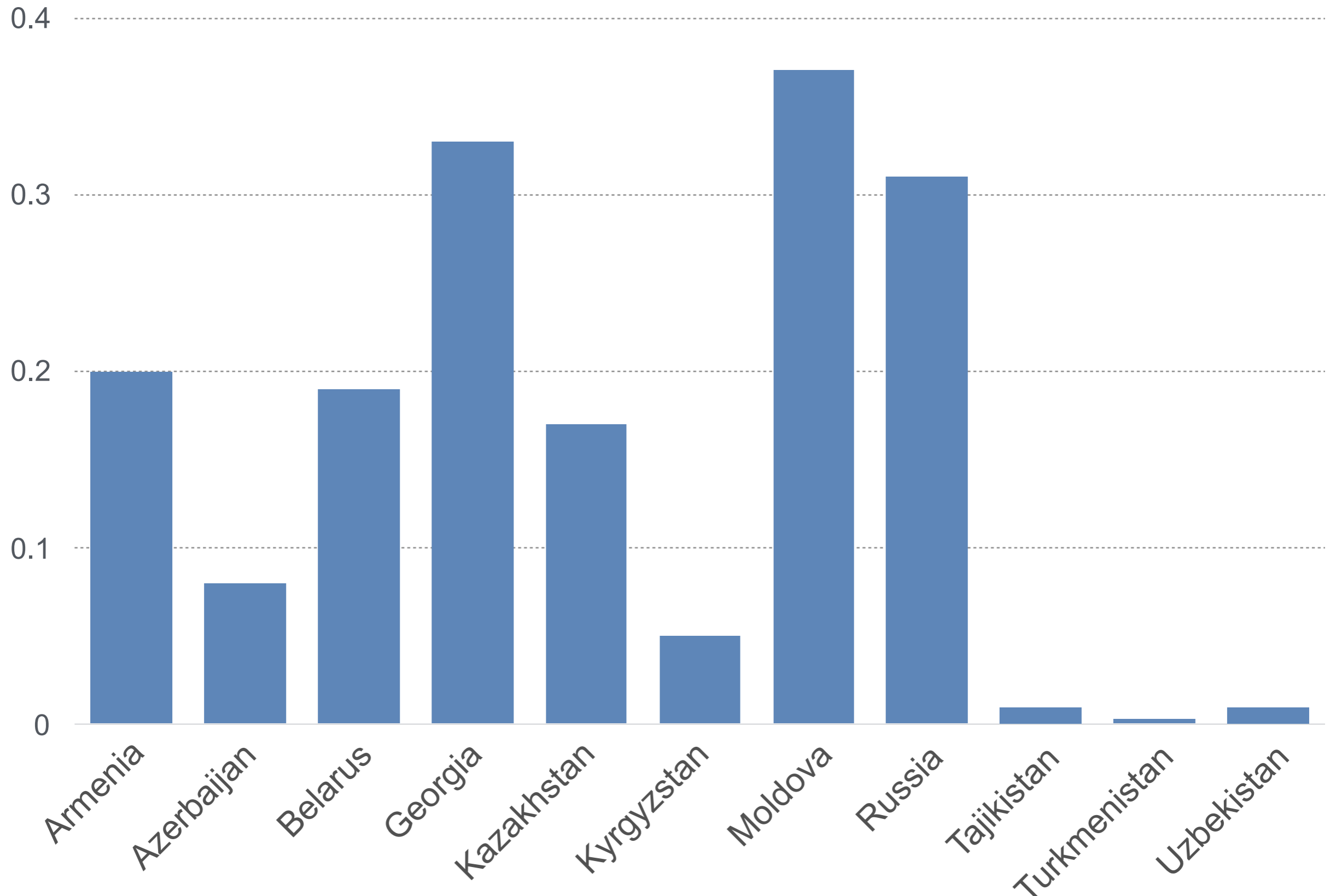
# Age of RCC Members (Years)



# Households with Internet Access (%)

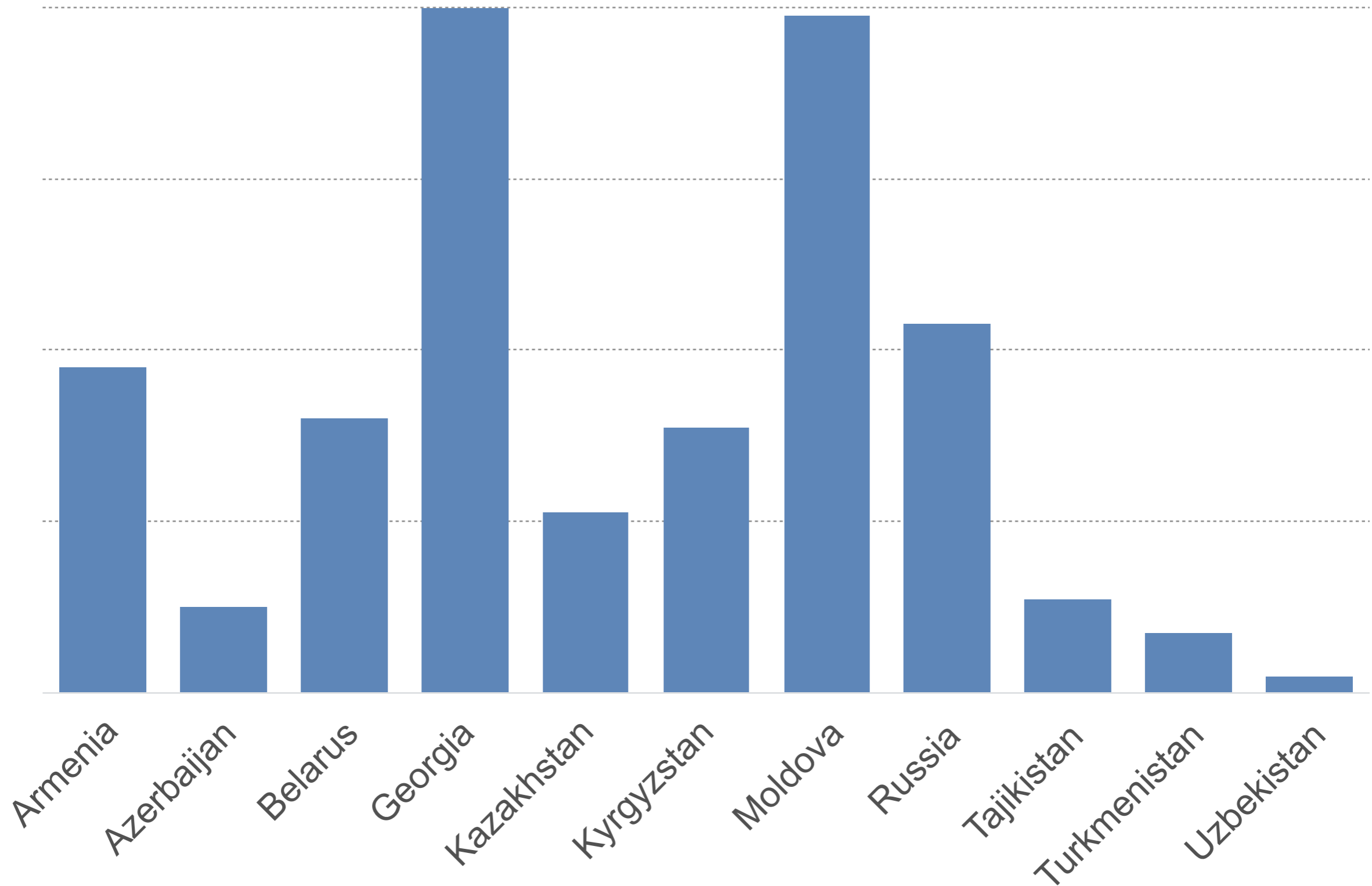


# IPv4 Addresses per Capita





# Ability to Support Growth via IPv4



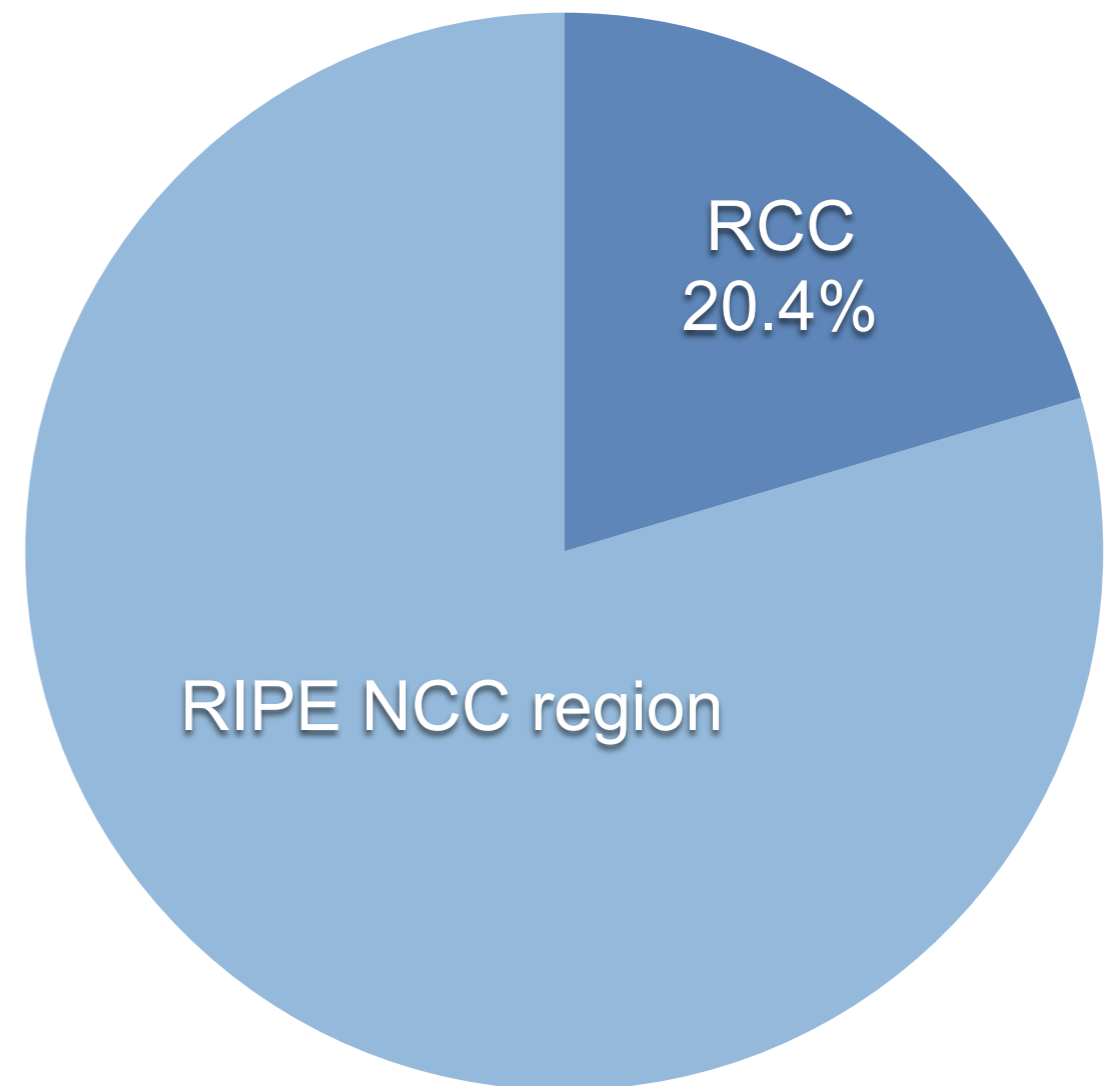
# IPv4 Transfers



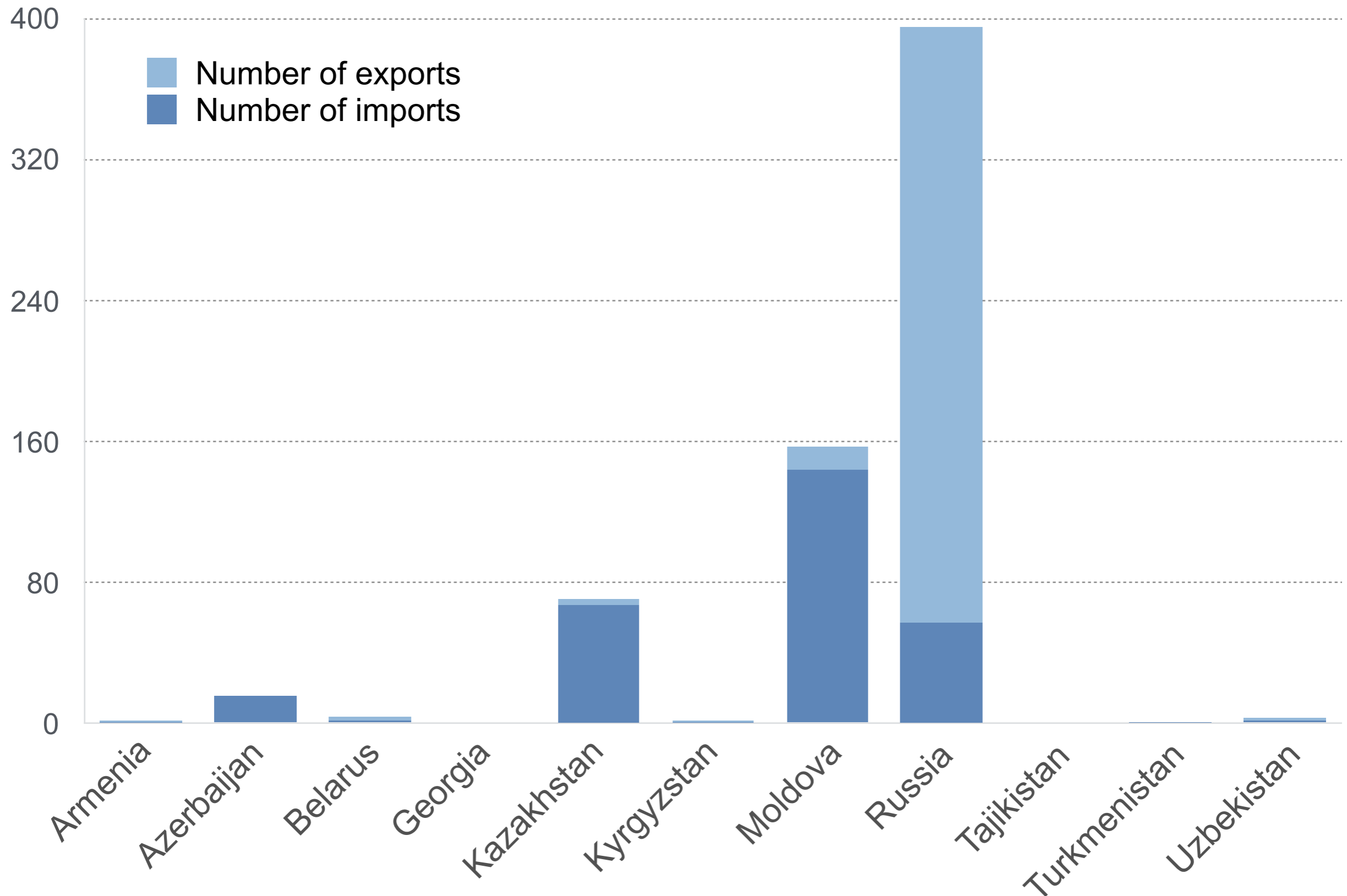
- Since October 2012, RIPE Policy has allowed for IPv4 transfers among members
- We saw an emerging transfer market develop in 2013-2014
- Since \*\*2015 RIPE Policy has also allowed for inter-RIR transfers between ARIN, APNIC and the RIPE NCC regions
- Transfer rates have slowed since then, likely due to address space becoming more scarce

# RCC Transfers vs. RIPE NCC Region

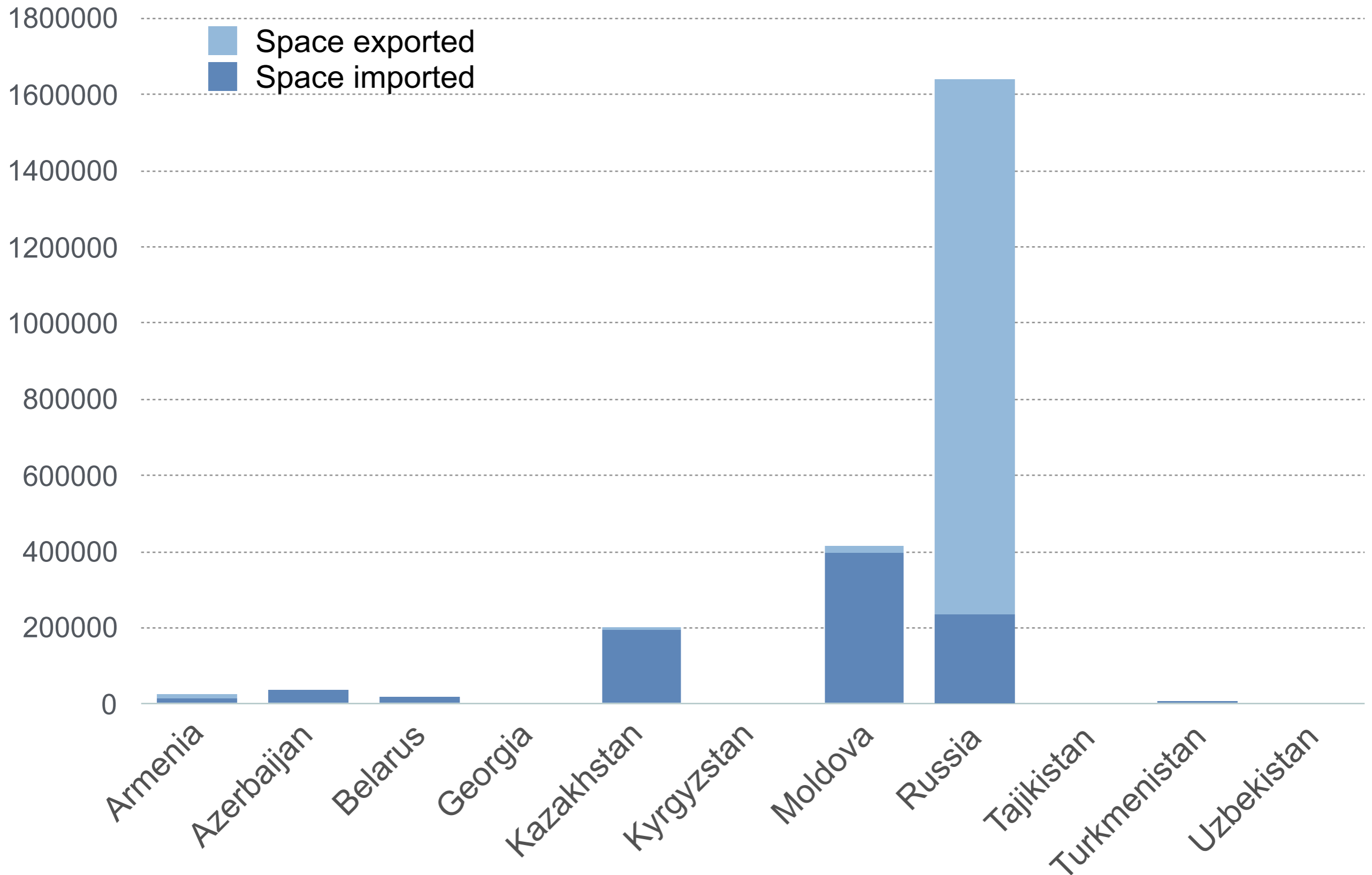
- Includes all transfers made since 2012 policy, including domestic and between different countries



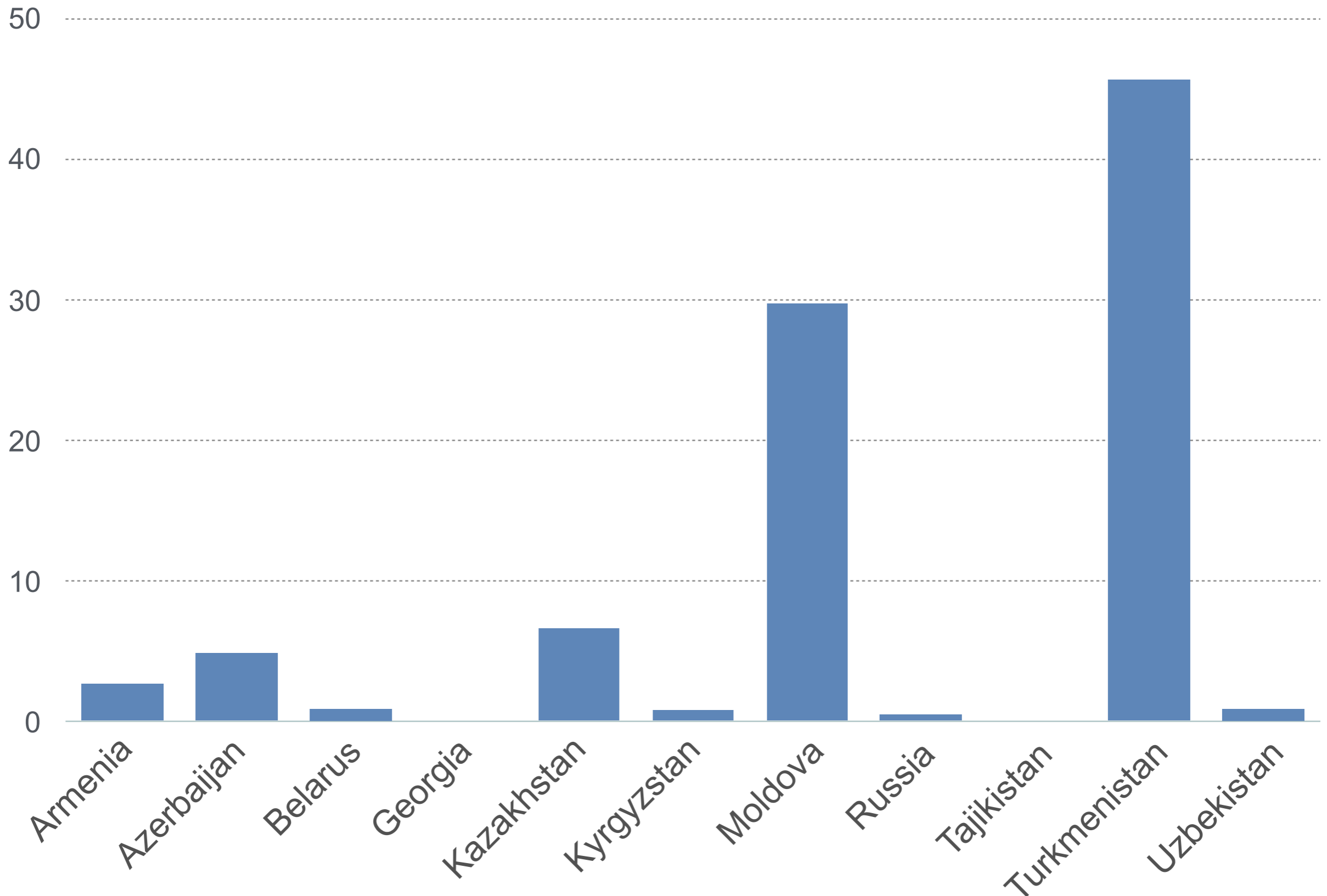
# Number of IPv4 Transfers



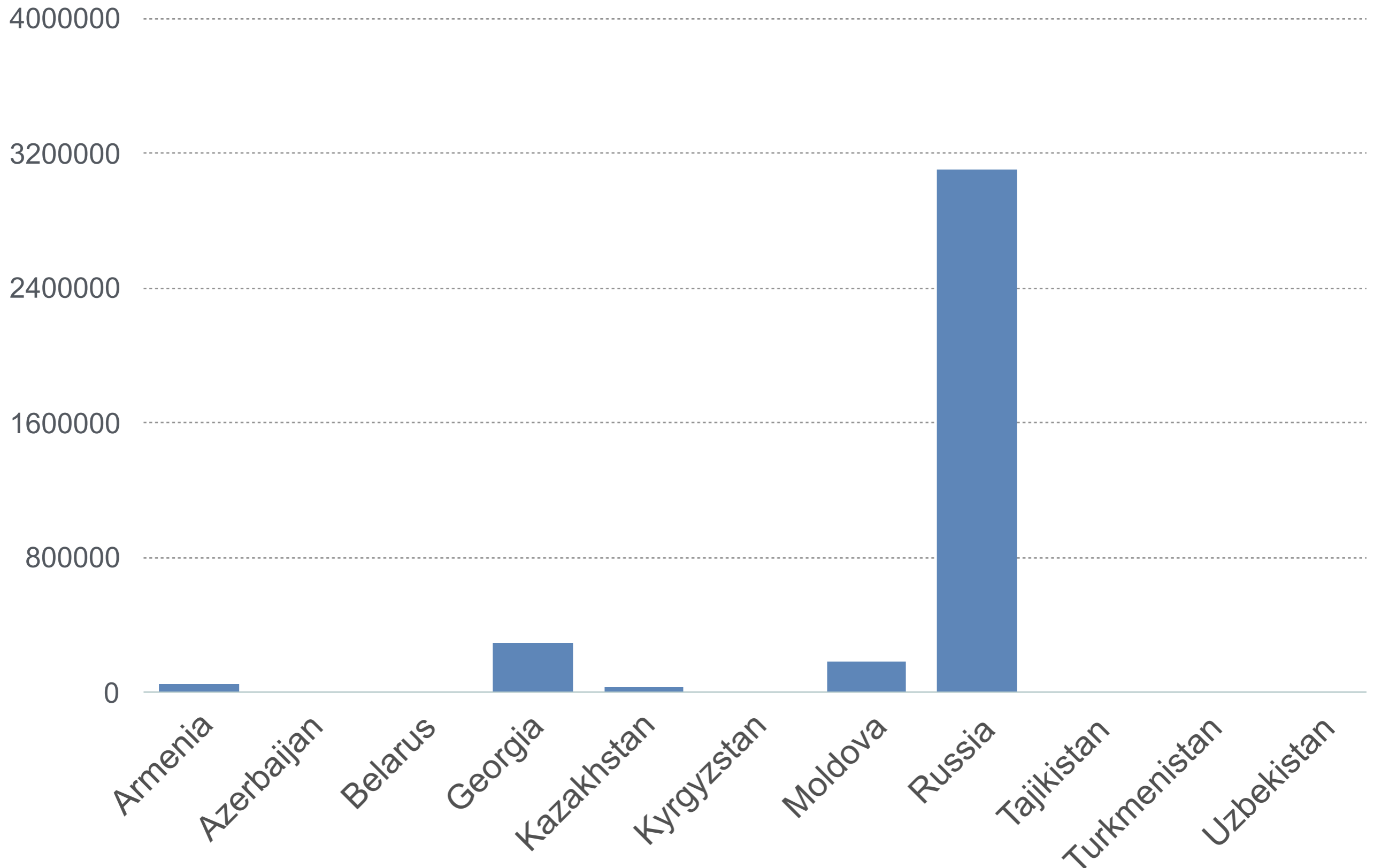
# Amount of IPv4 Space Transferred



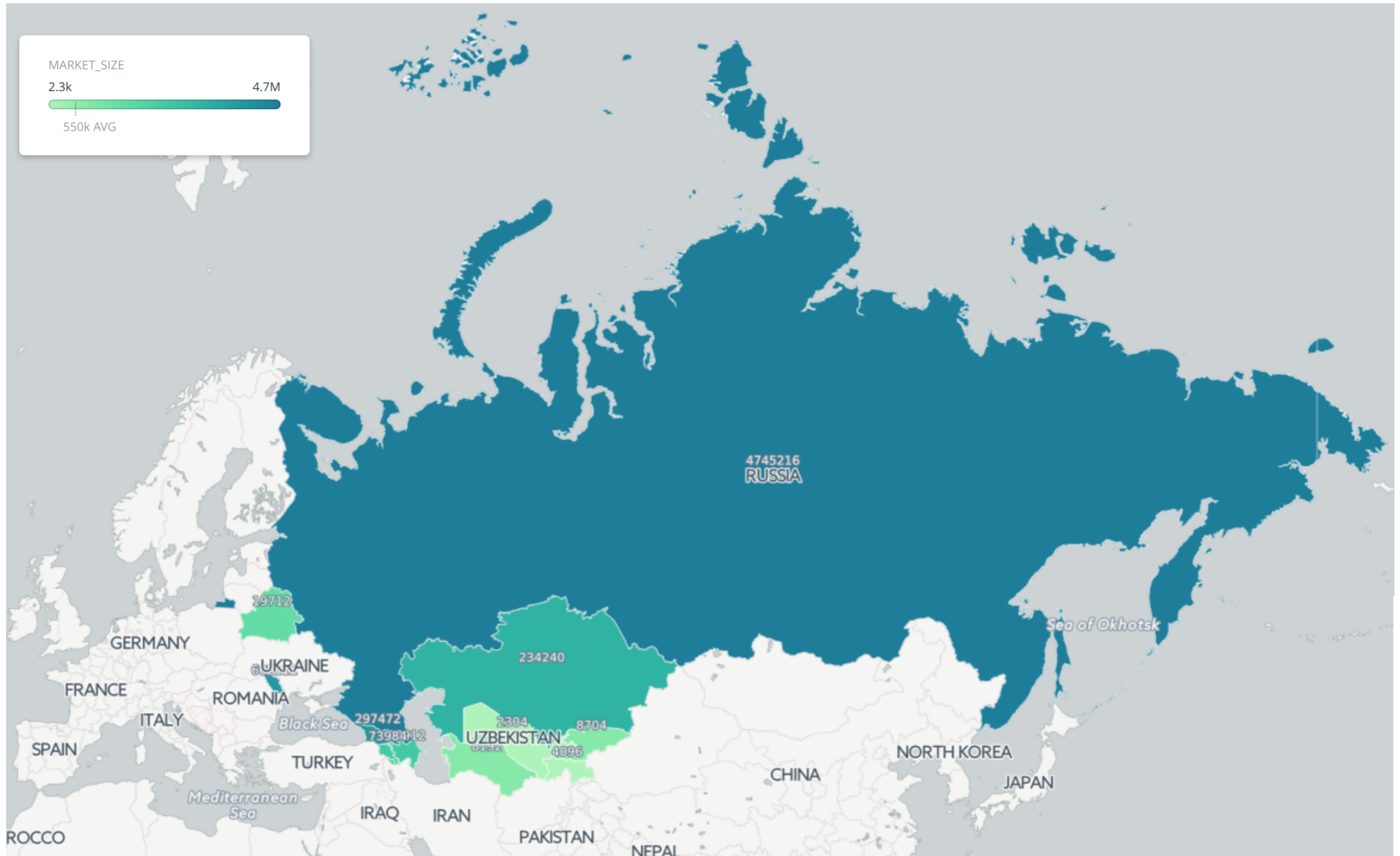
# Percentage of IPv4 Space Imported



# IPv4 Space Transferred Domestically



# RCC IPv4 Transfer Activity Size







# Questions



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