



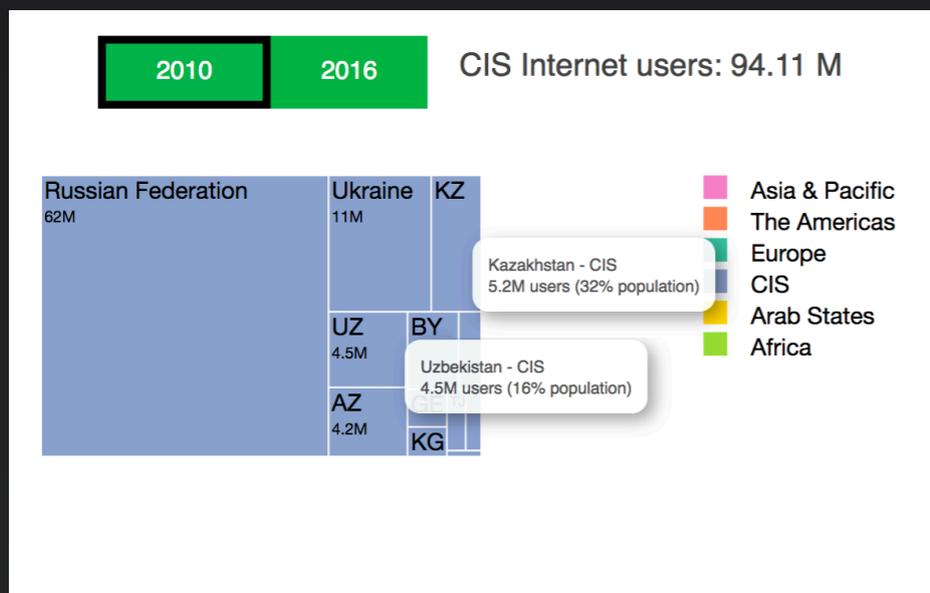
**RIPE NCC**

RIPE NETWORK COORDINATION CENTRE

# Introduction

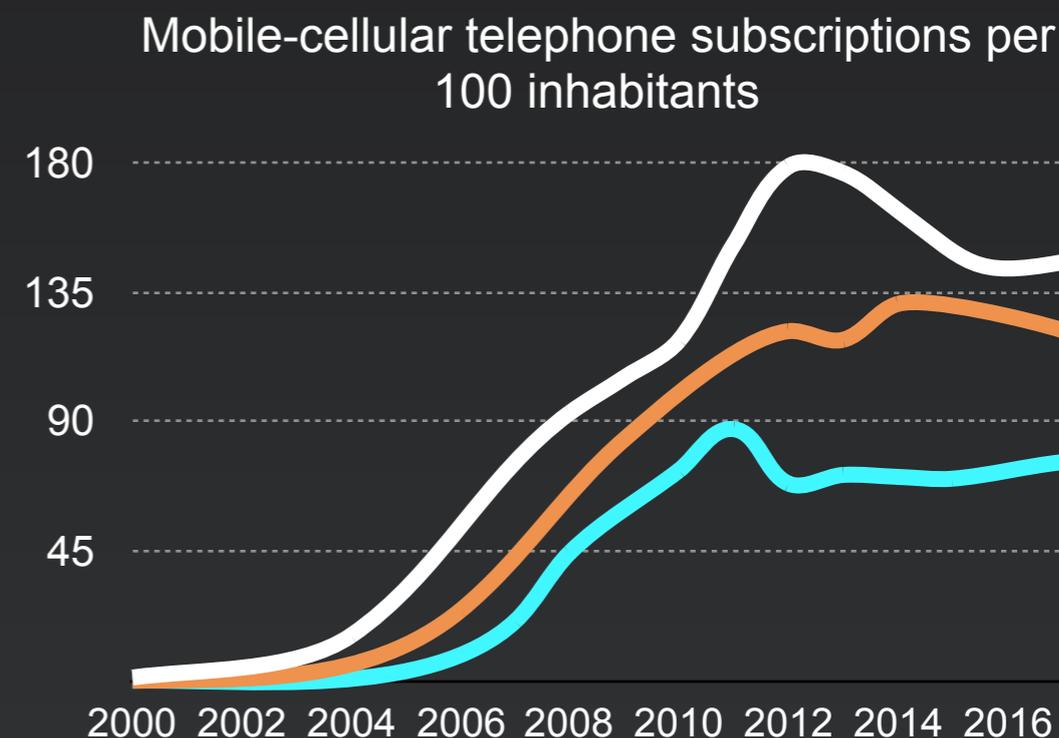
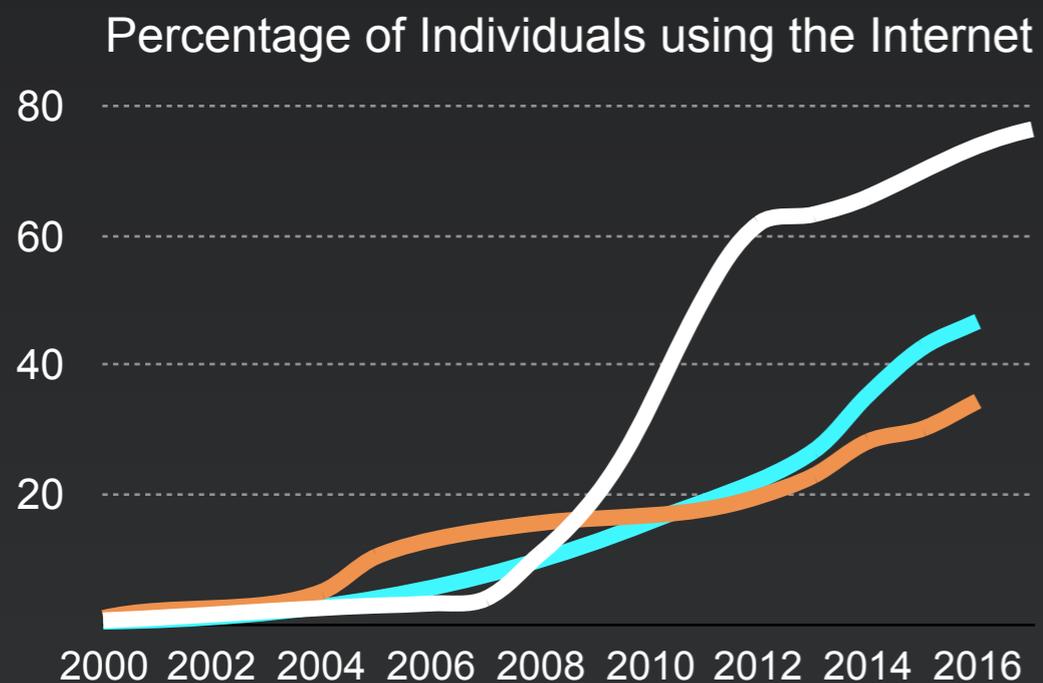
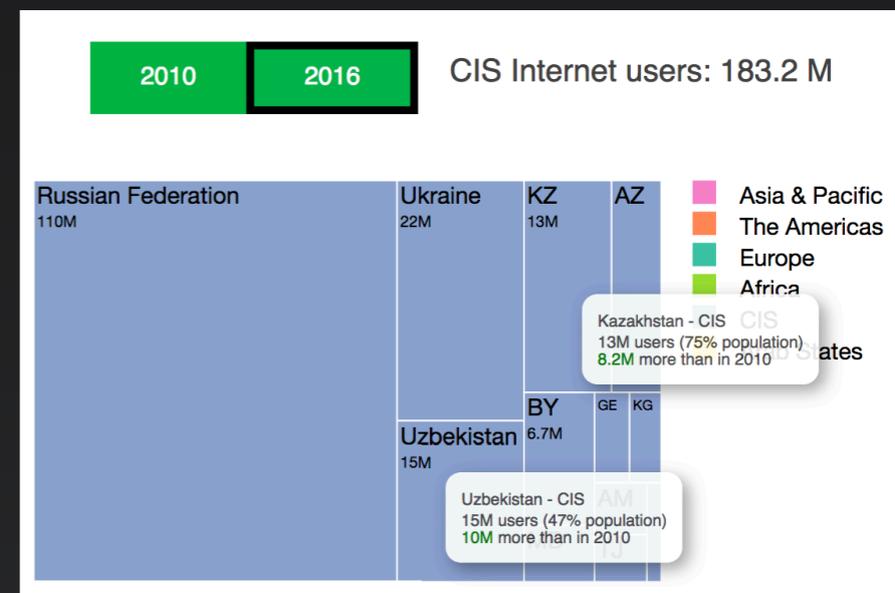
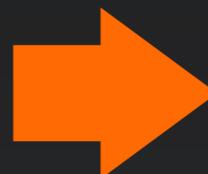
## The Internet and the RIPE NCC

# The Internet Here Is Booming



Kazakhstan  
157% growth in users

Uzbekistan  
220% growth in users



# Our Data Shows the Same



- First meeting in 2014 105 attendees
  - Now you are with 271 registered!!
- Number of accounts in Kazakhstan grew to 67
  - We now serve 130+ accounts in this region
- Number of IPv4 allocations
  - KZ-290, KG-48, UZ-42, TM-5, TJ-21
- Number of networks (ASNs)
  - KZ-137, KG-48, UZ-51, TM-8, TJ-14

# RIPE NCC is here



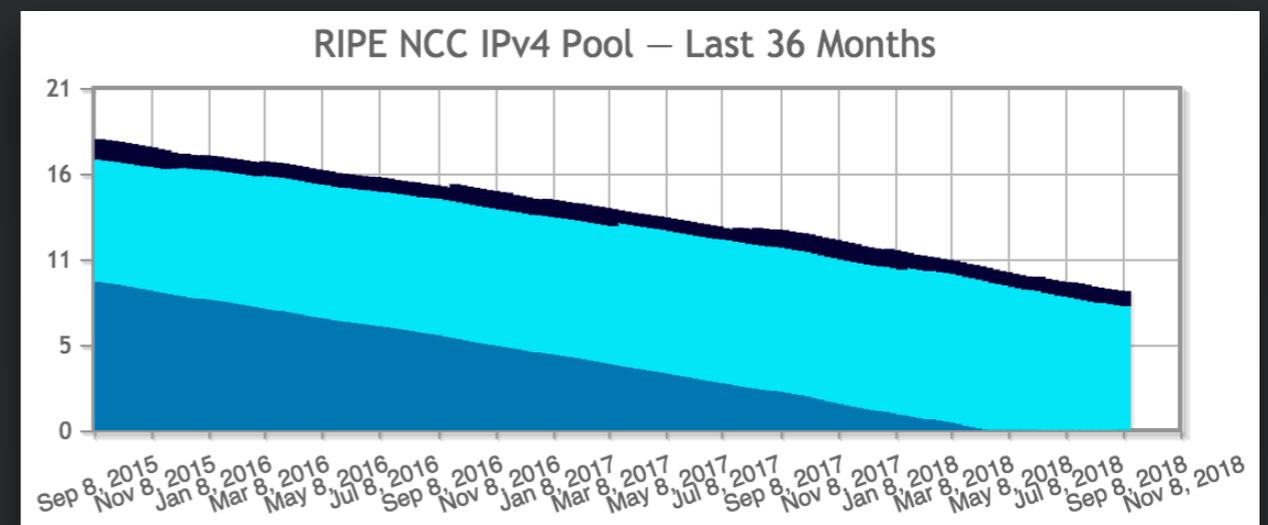
- In the last three years in this region
  - We organised 5 Member Lunches
  - We gave 11 training courses
  - IPv6 Roadshow is here this week!
- Regional Meetings in Almaty, Baku, Tbilisi, Yerevan, and we are here now again!
- IXP development in Georgia, Tajikistan



# Growing Pains



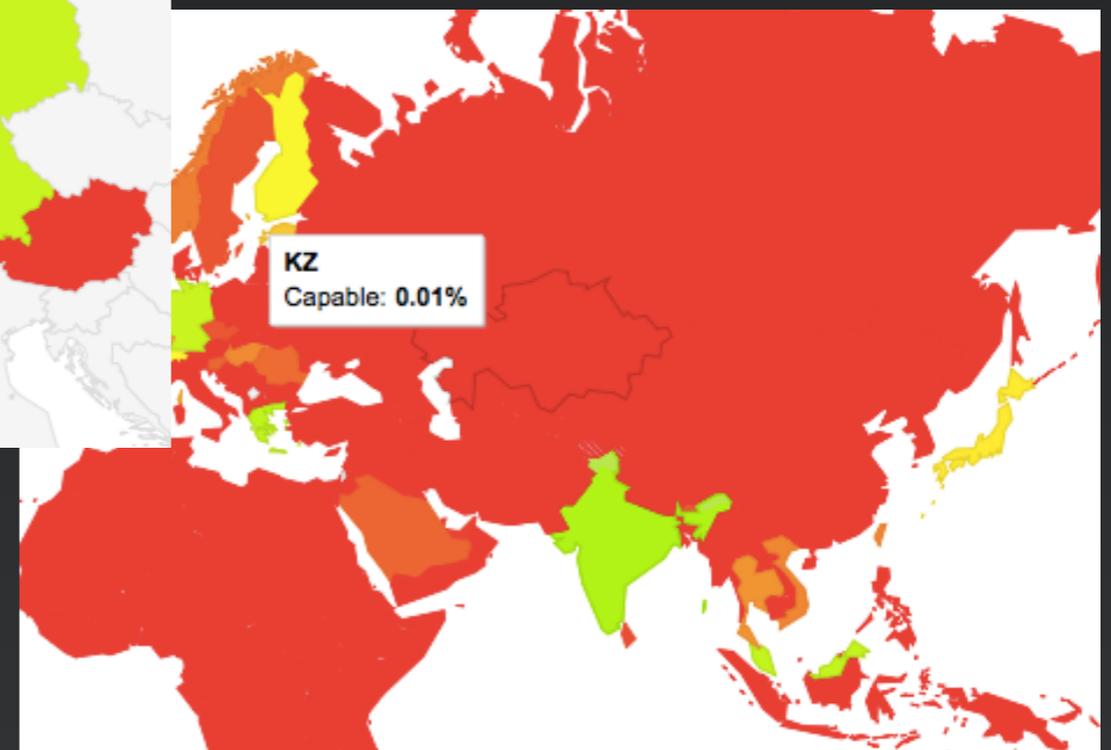
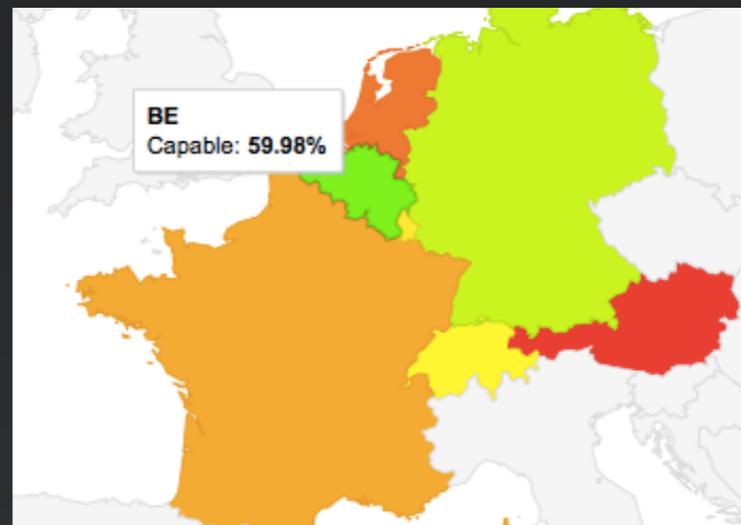
- The pool of IPv4 is nearly exhausted
  - Only new members can apply for maximum of 1000 addresses
  - This might explain some of the growth
- Alternative is buying IPv4 on transfer market
  - 22,5 million addresses transferred in 2017 in our RIR
  - Number of transfers into KZ - 98 (256 256 IPs), KG - 3 (5120), TM -1 (8 192 IPs), TJ - 0, UZ - 0



# There Is Not Much IPv6 Here



- IPv6 supposed to be the replacement for IPv4
  - Virtually unlimited number of addresses available
  - For now you can use both IPv4 and IPv6 at the same time
- Many providers in EU and US support IPv6
  - In this region almost no one does



# Beyond IP distribution...



- Concerns about quality of registration data
  - Outdated contact details
  - Companies moving and merging
  - Can lead to problems further down the road
- Help to prevent IP address hijacks
  - Keep your data correct and secure
  - Guard your network against hijacks
- Improve stability and resilience of the Internet



# The RIPE NCC Can Help

- Organise training courses
  - Here in the region, as well as online
- Bring expertise in meetings like this
  - Learn from your peers
- RIPE produces Best Practice documents
  - Written by industry experts
- Tools to provide insight in your network
  - RIPE Stat and RIPE Atlas

# If You Can't Come To Us



- Many of our resources are available online
  - Webinars
  - RIPE::Educa online training events
  - RIPE Labs
  - Mailing lists for policy development
- Meetings allow for remote participation
  - Including RIPE NCC General Meetings
  - You can vote online



# Our Challenges

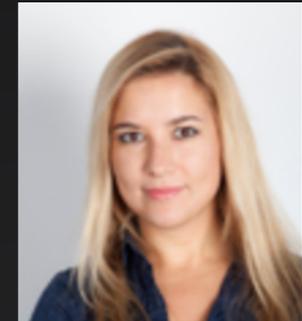
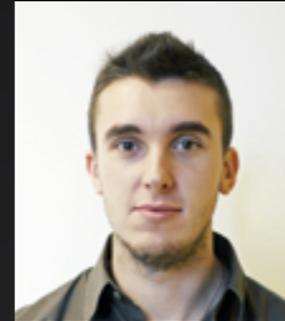
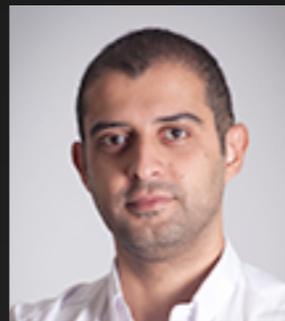
- How can we serve you better?
  - From «Growth» mode to «Efficiency» mode
  - face-to-face to online
- How can we evolve as organisation and provide added value?
  - Data to intelligence
- How can we ensure multistakeholder model longevity?
  - Era of regulation, be part of the solution

# What can we do together?



- RIPE Policies
  - Be part of the process, you are in control
- General Meeting
  - Don't let things to be decided without you. Only 6 KZ 2018
- Public policy
  - we don't make it, but we can provide expertise
- NOGs
  - More strength & health in the local Internet industry
- We want to be a partner!

# We Are Here To Help



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Director of External  
Relations

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External Relations  
Officer

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Tech Advisor

**Maxim Burtikov**  
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# Thank you

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