



Moscow Regional Meeting

23 – 24 September 2008

Andrew de la Haye - COO



Agenda

- Policy update
- Membership statistics
- Resource statistics
- 32-bit AS Numbers
- Services Center



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Current Policy Proposals

- **Discussion Phase**

- Provider Independent (PI) IPv6 Assignments for End User Organisations (2006-01)
- IPv6 ULA-Central (2007-05)
- Using the Resource Public Key Infrastructure to Construct Validated IRR Data (2008-05)



Current Policy Proposals

- **Review Phase**

- PI Assignment Size (2006-05)
- Enabling Methods for Reallocation of IPv4 Resources (2007-08)

- **Concluding (Last Call)**

- Direct Internet Resource Assignments to End Users from the RIPE NCC (2007-01)

- **(Recently) Accepted**

- Global Policy for the Allocation of the Remaining IPv4 Address Space (2008-03)



End of IPv4 free pool

- Global Policy for the Allocation of the Remaining IPv4 Address Space (2008-03)
 - Accepted by all regions and documented
 - <http://www.ripe.net/ripe/docs/ripe-436.html>
 - Distribute the last 5 /8s evenly among RIRs (N=1)
 - Awaiting the Global PDP to be in effect



Contractual relationship

- Direct Internet Resource Assignments to End Users from the RIPE NCC (2007-01)
 - Contractual relationship for all independent number resources to an End User
 - Have a contract with
 - a sponsoring LIR **or**
 - the RIPE NCC
 - Applies to previously made assignments
 - ERX/Legacy space is excluded
 - In Last Call until 13 October 2008



Transfers

- Enabling Methods for Reallocation of IPv4 Resources (2007-08)
 - IPv4 Exhaustion
 - Applies only to IPv4 PA allocations
 - Only within the RIPE region
 - Similar concept under discussion also in ARIN and APNIC
 - New version (3rd) just published
 - In Review Phase until 16 October



Stay aware

- Current Proposals
 - <http://www.ripe.net/ripe/policies/proposals/index.html>
- Archived Proposal
 - <http://www.ripe.net/ripe/policies/proposals/archive/>
- Subscribe to
 - Address Policy WG Mailing list
 - <http://www.ripe.net/mailman/listinfo/address-policy-wg#subscribers>
 - Policy Announce Mailing List
 - <http://www.ripe.net/mailman/listinfo/policy-announce#subscribers>
- And participate!



Agenda

- Policy update

- Membership statistics

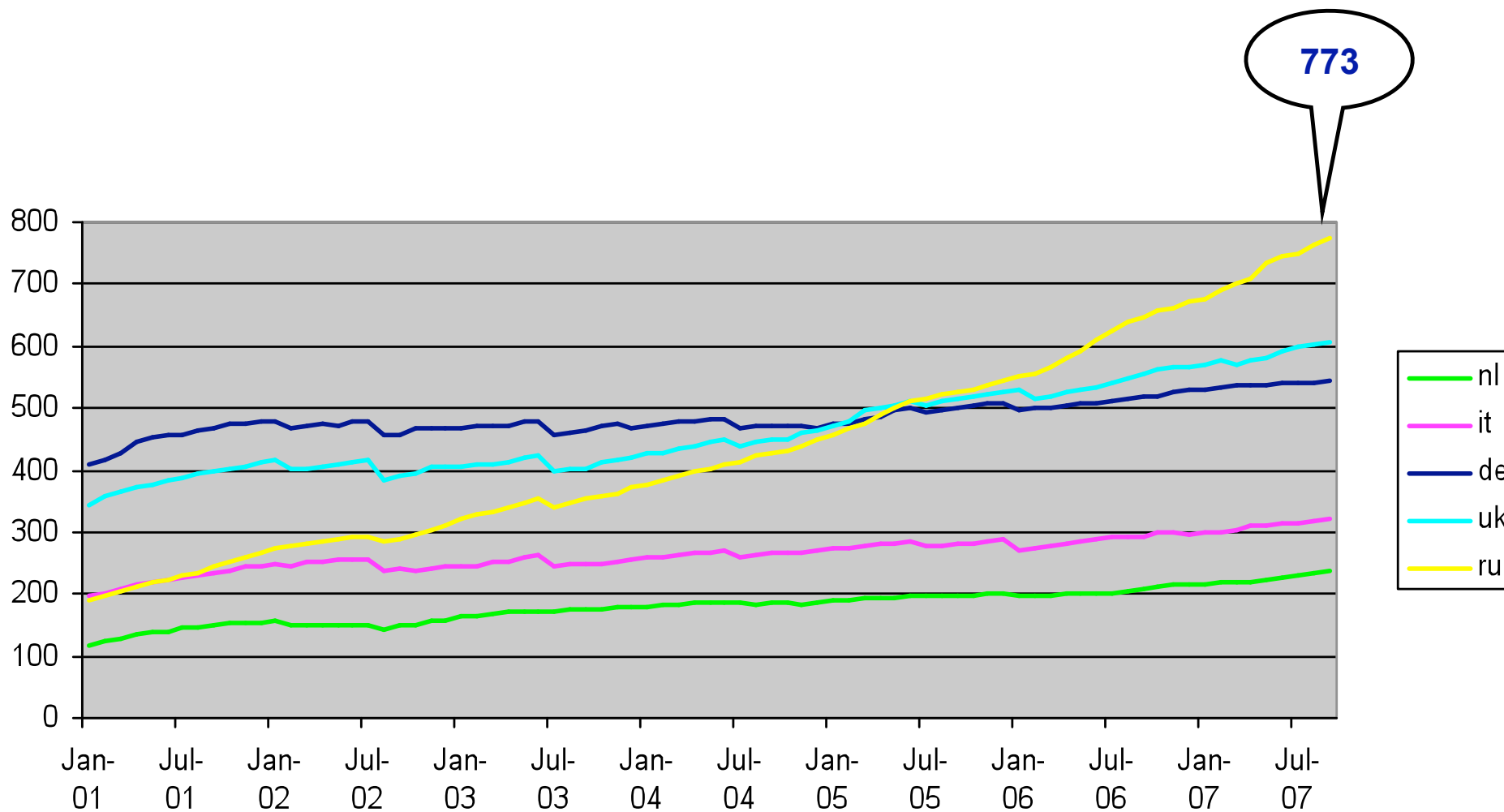
- Resource statistics

- 32-bit AS Numbers

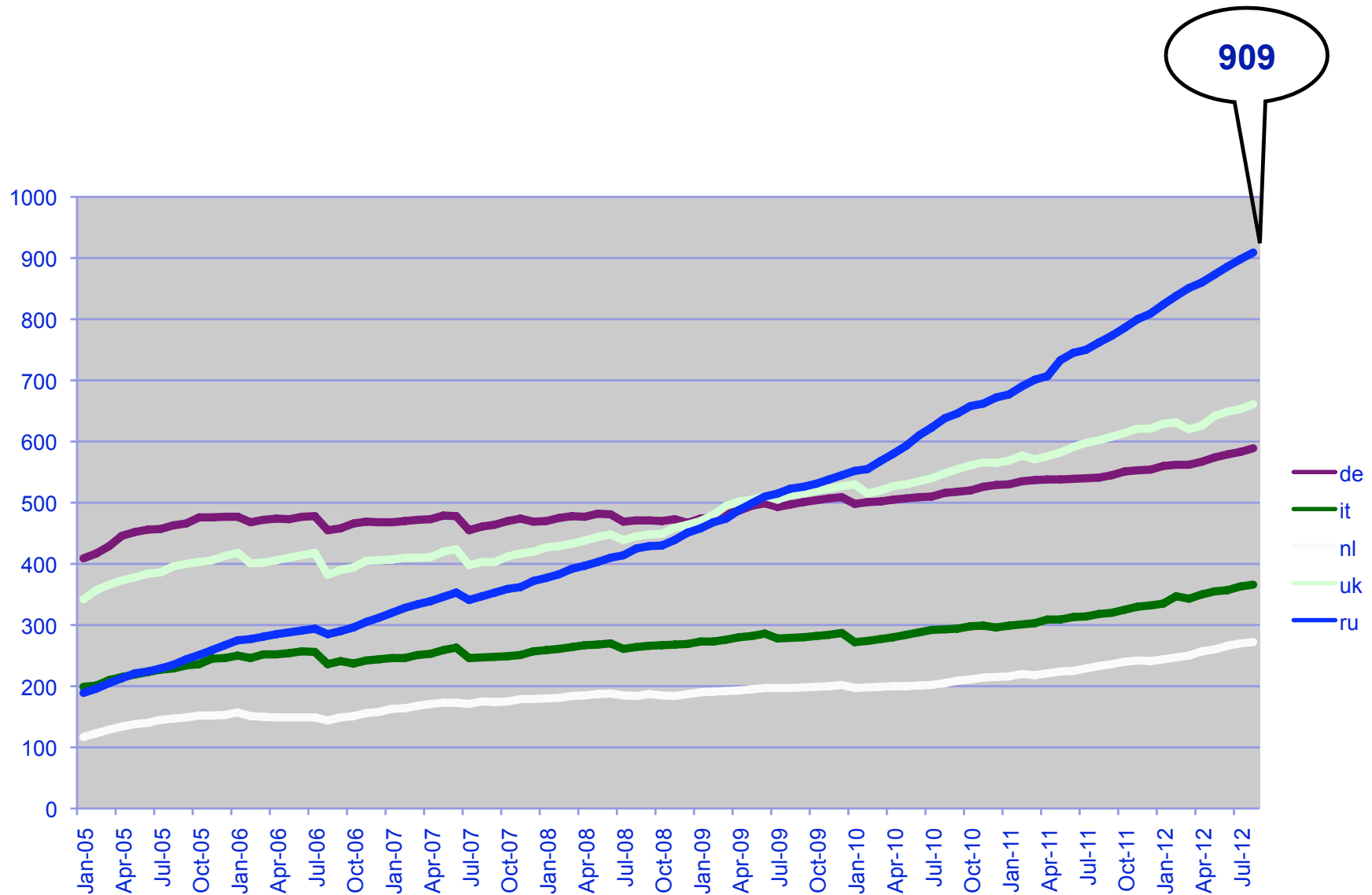
- Services Center



Top 5 countries 2001 – September 2007



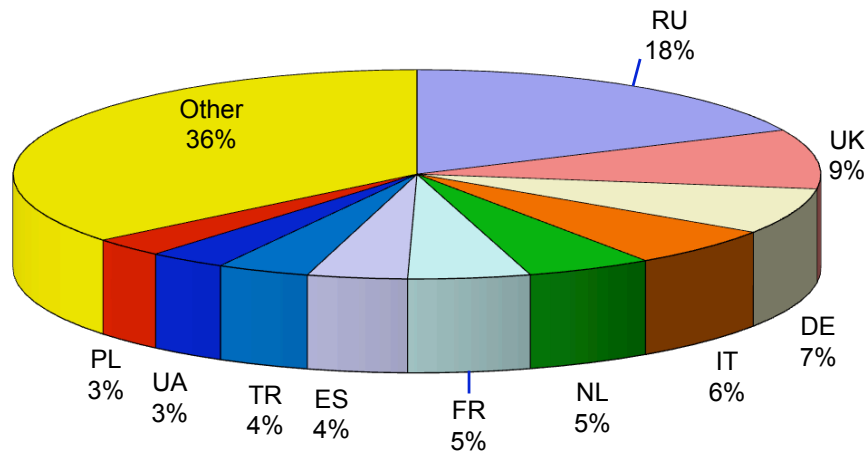
Top 5 countries 2001 – September 2008



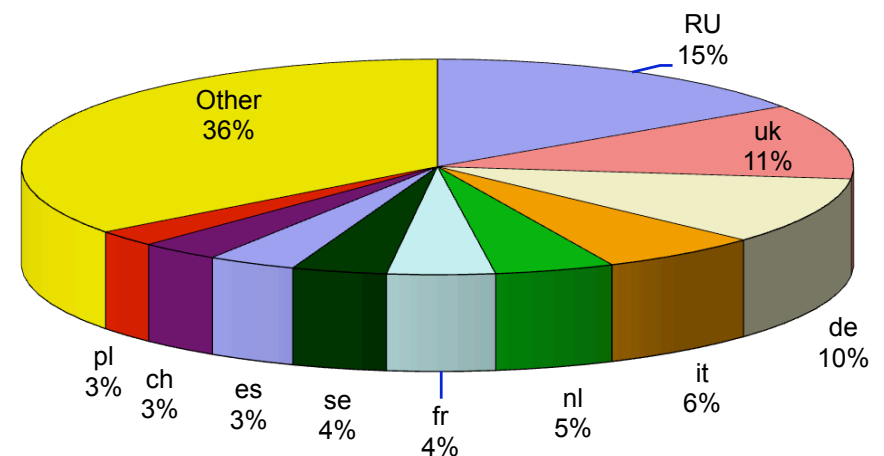
Russian member info

- Currently 909 Russian members (31 Aug 2008)
- Russian applications 122 in 2008 (2007: 133)

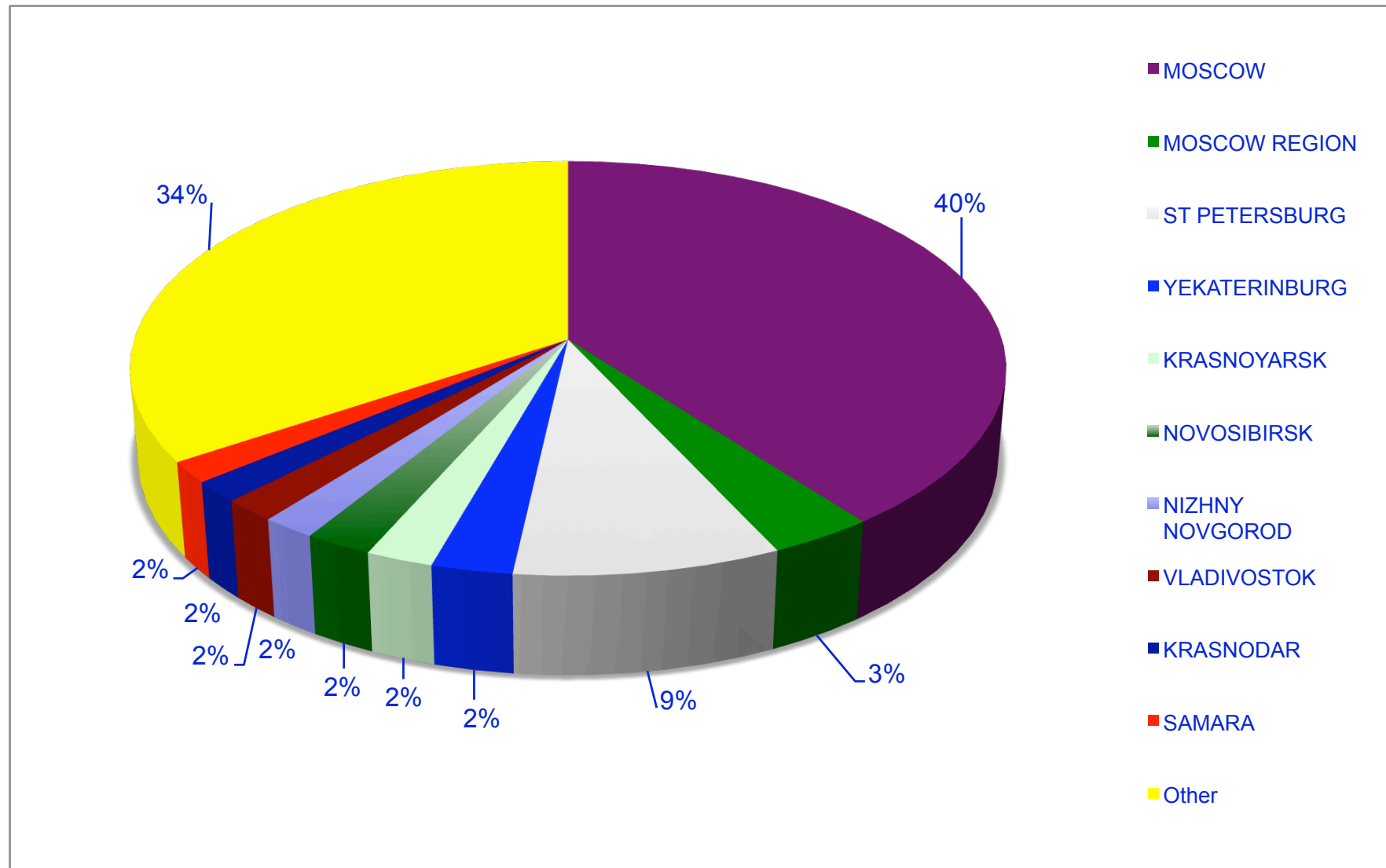
New members per country 2008



Members per country 2008



Russian member info per city 2008





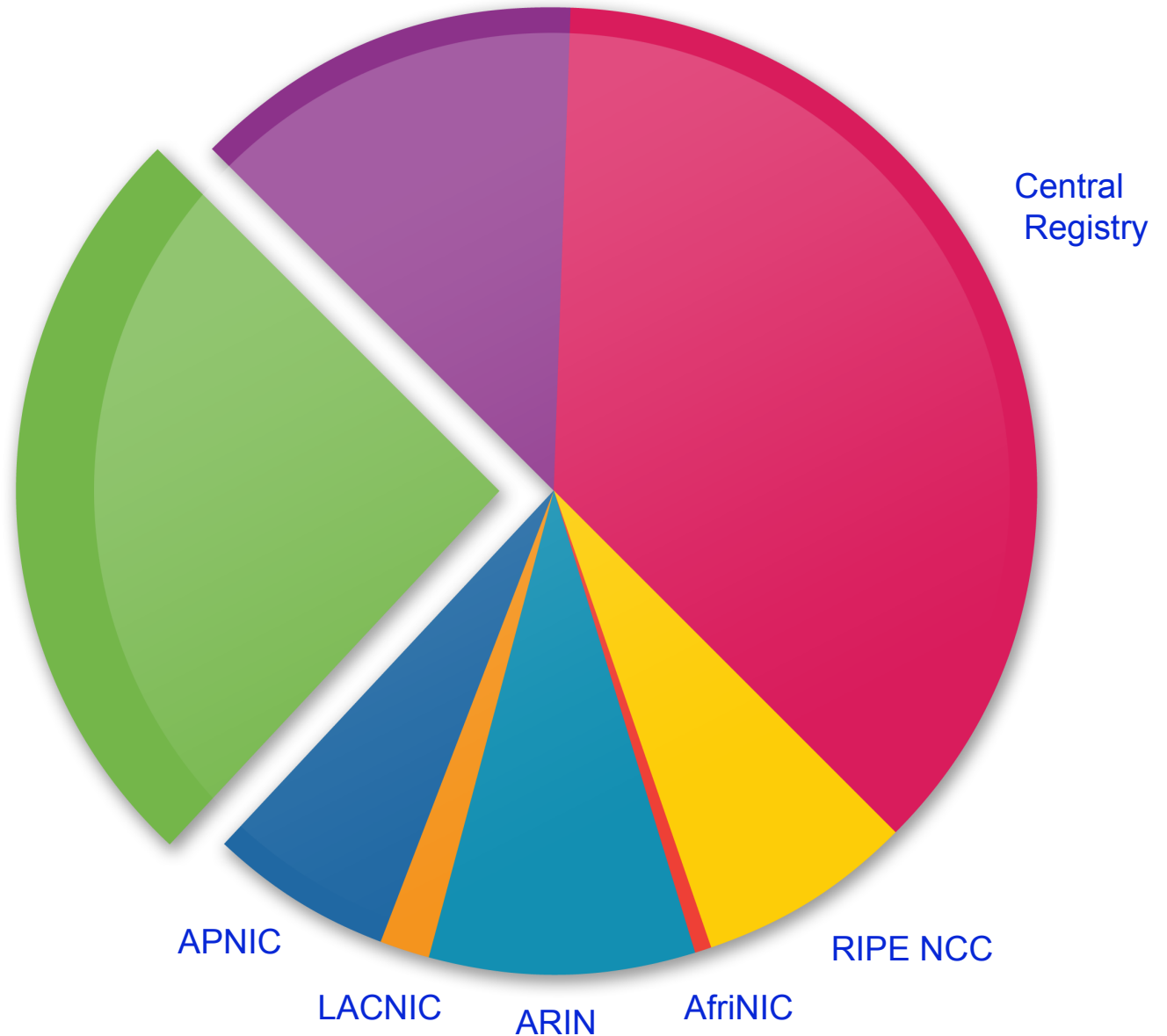
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IPv4 Address Pool - June 2005

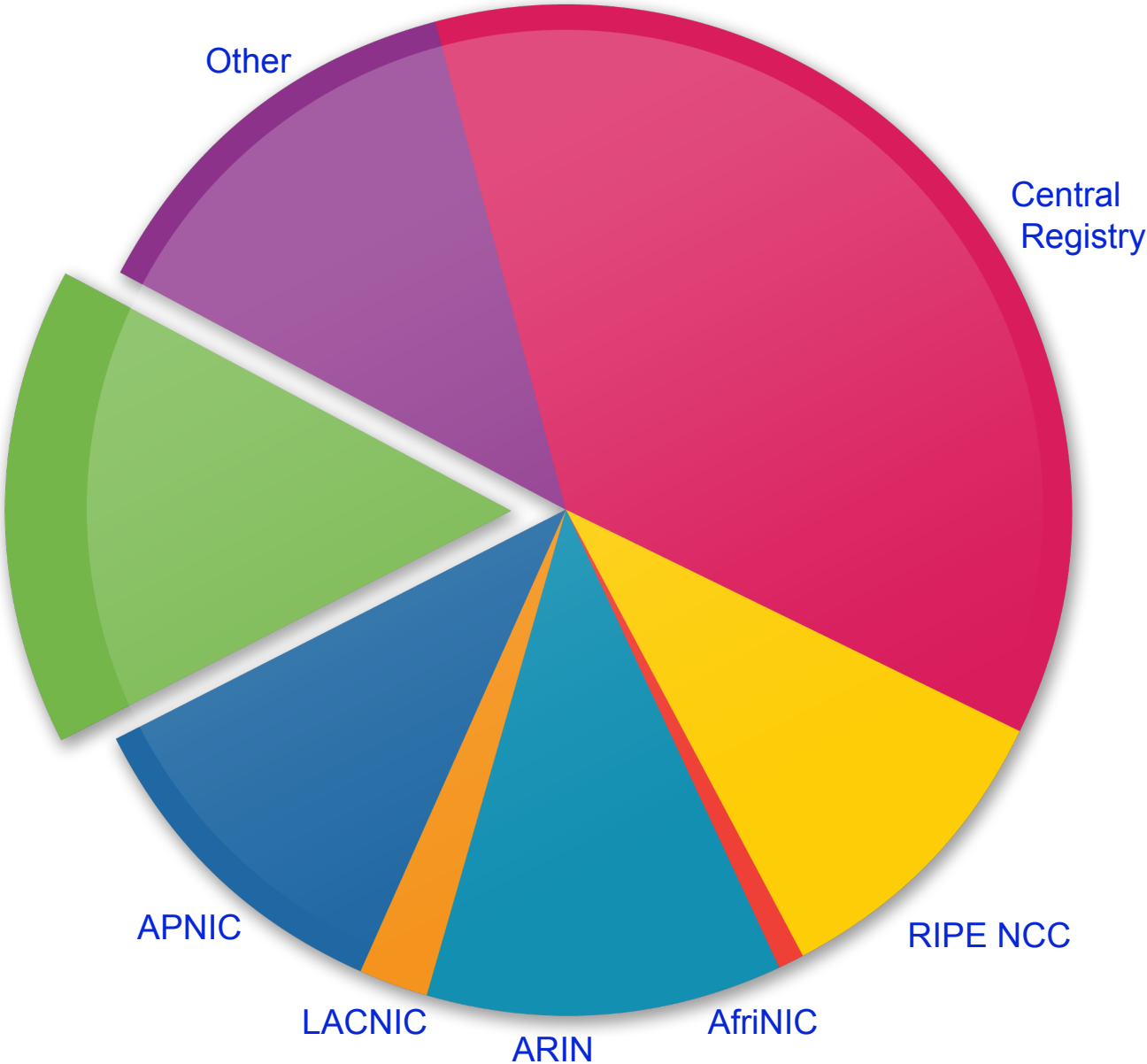
**25%
available**



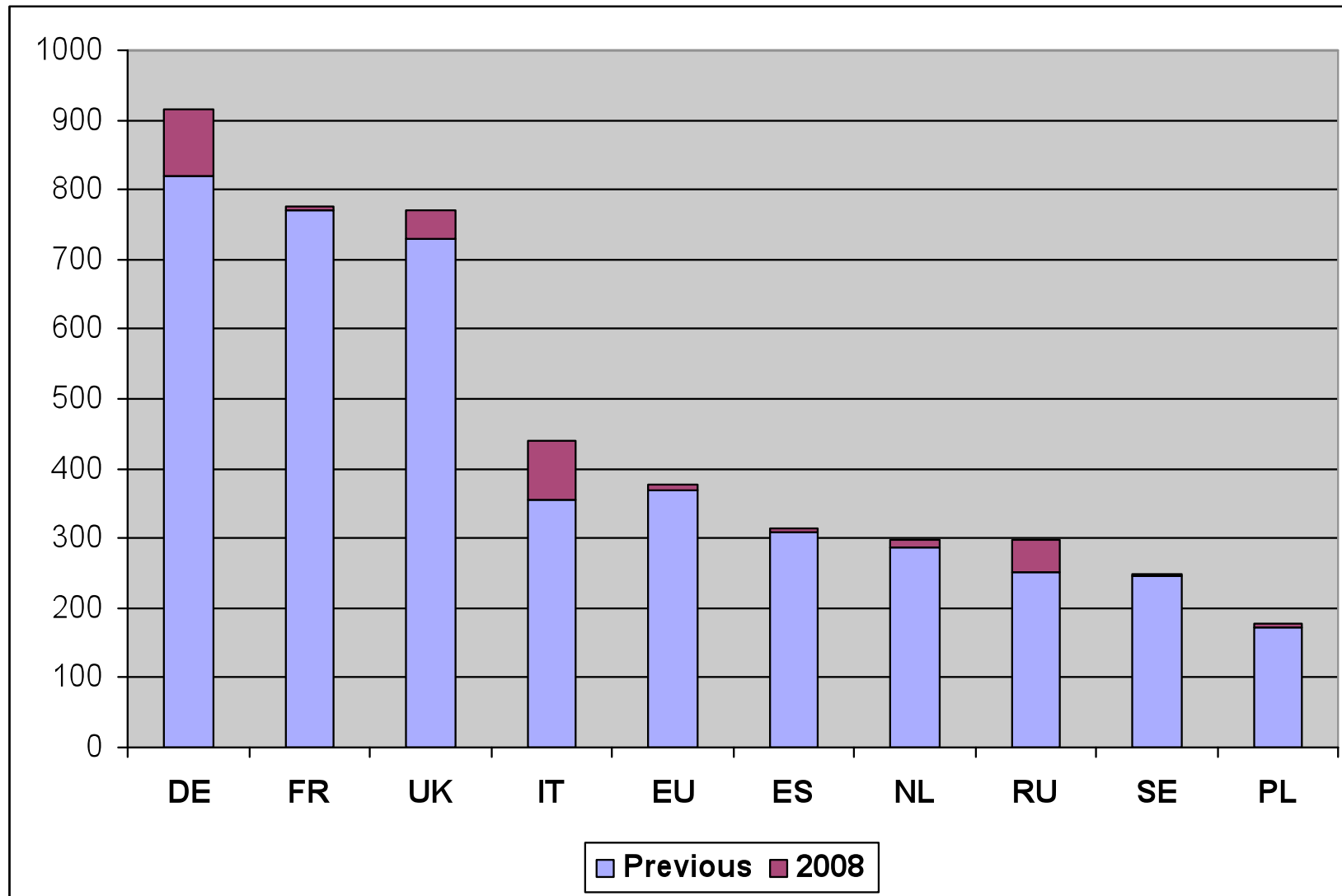


IPv4 Address Pool - Now

**15%
available**

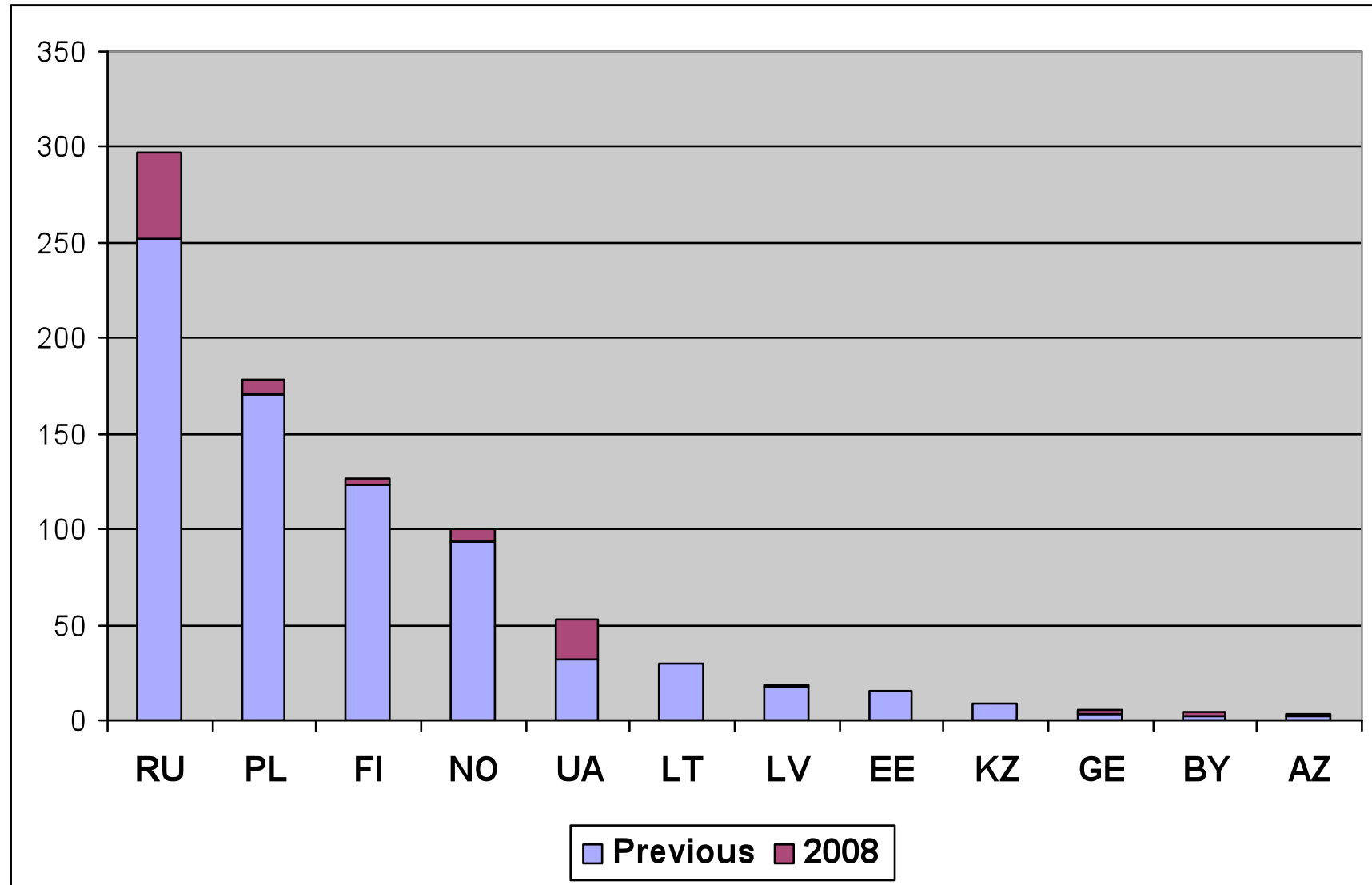


IPv4 Address space per country



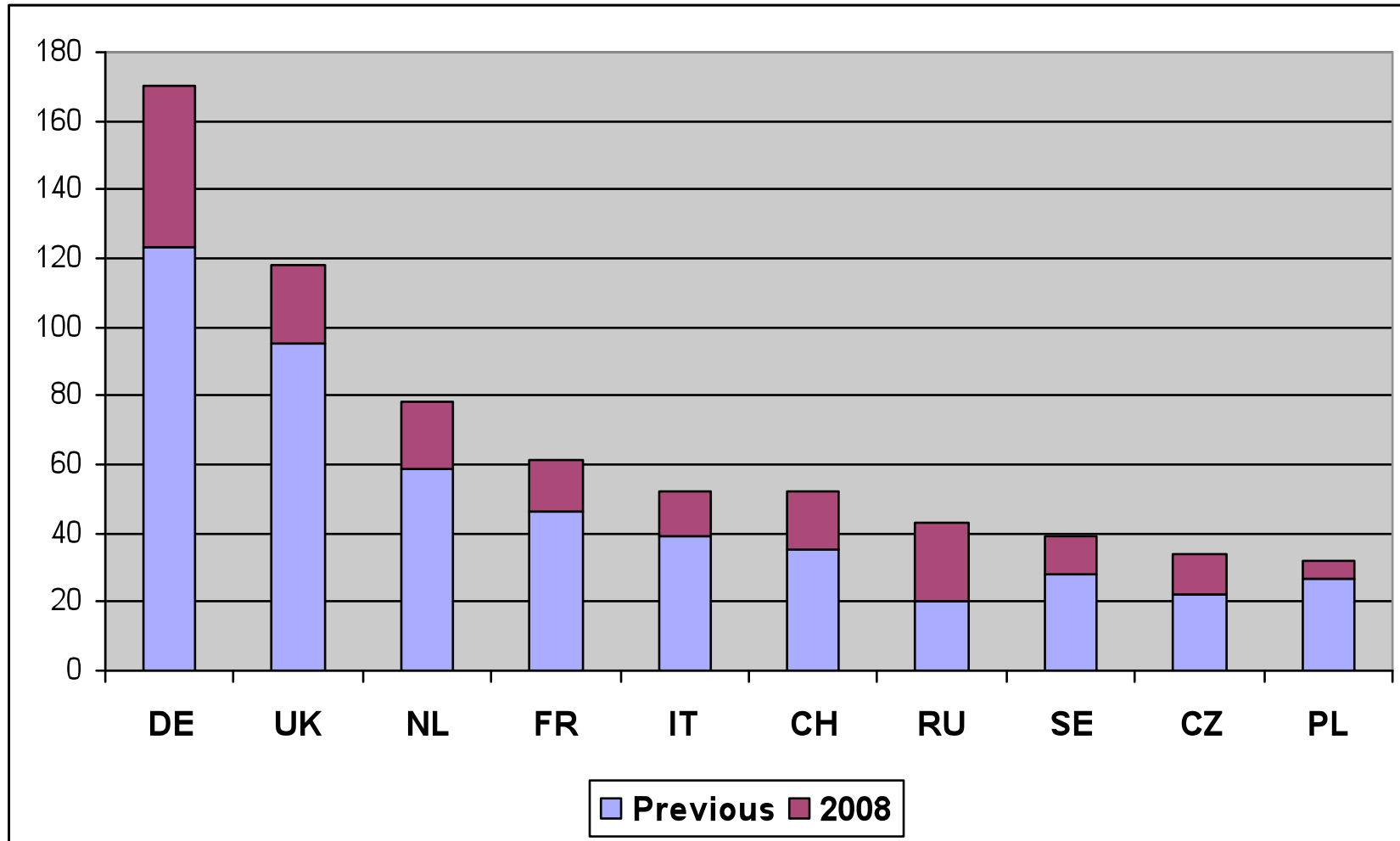
Counted in /16s

IPv4 – Regional statistics



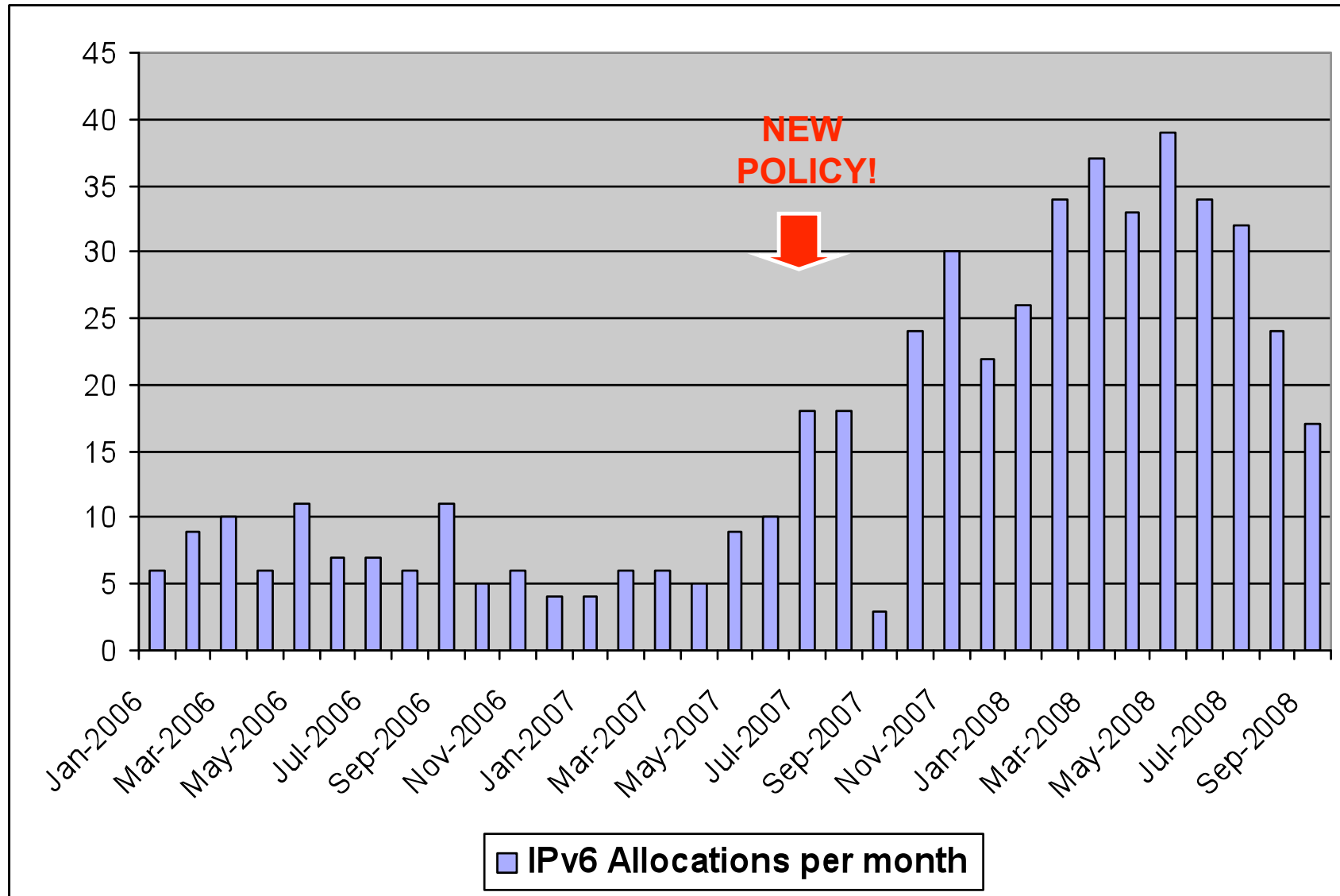
Counted in /16s

IPv6 Allocations per country

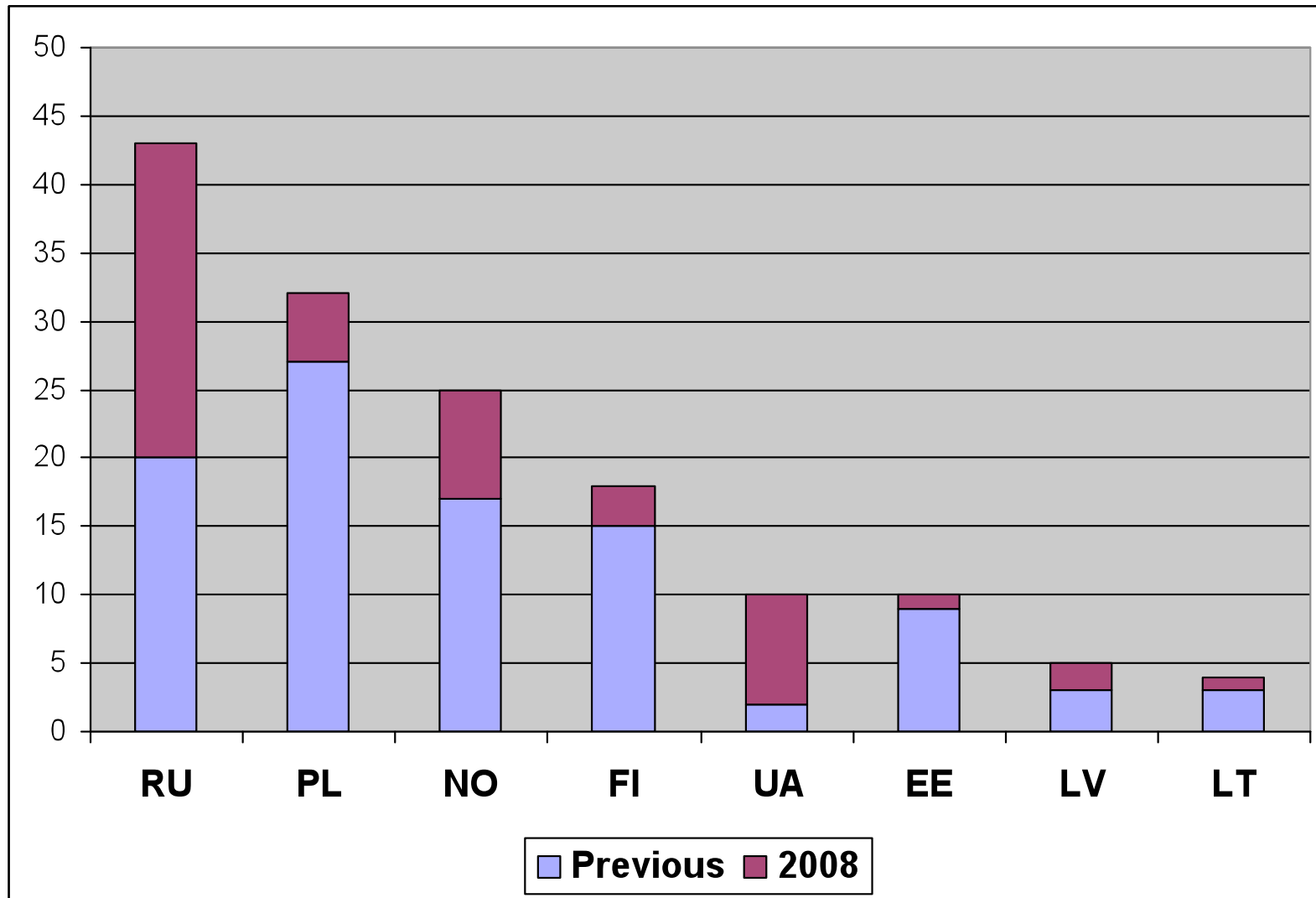


Number of allocations shown

IPv6 – Allocations per month



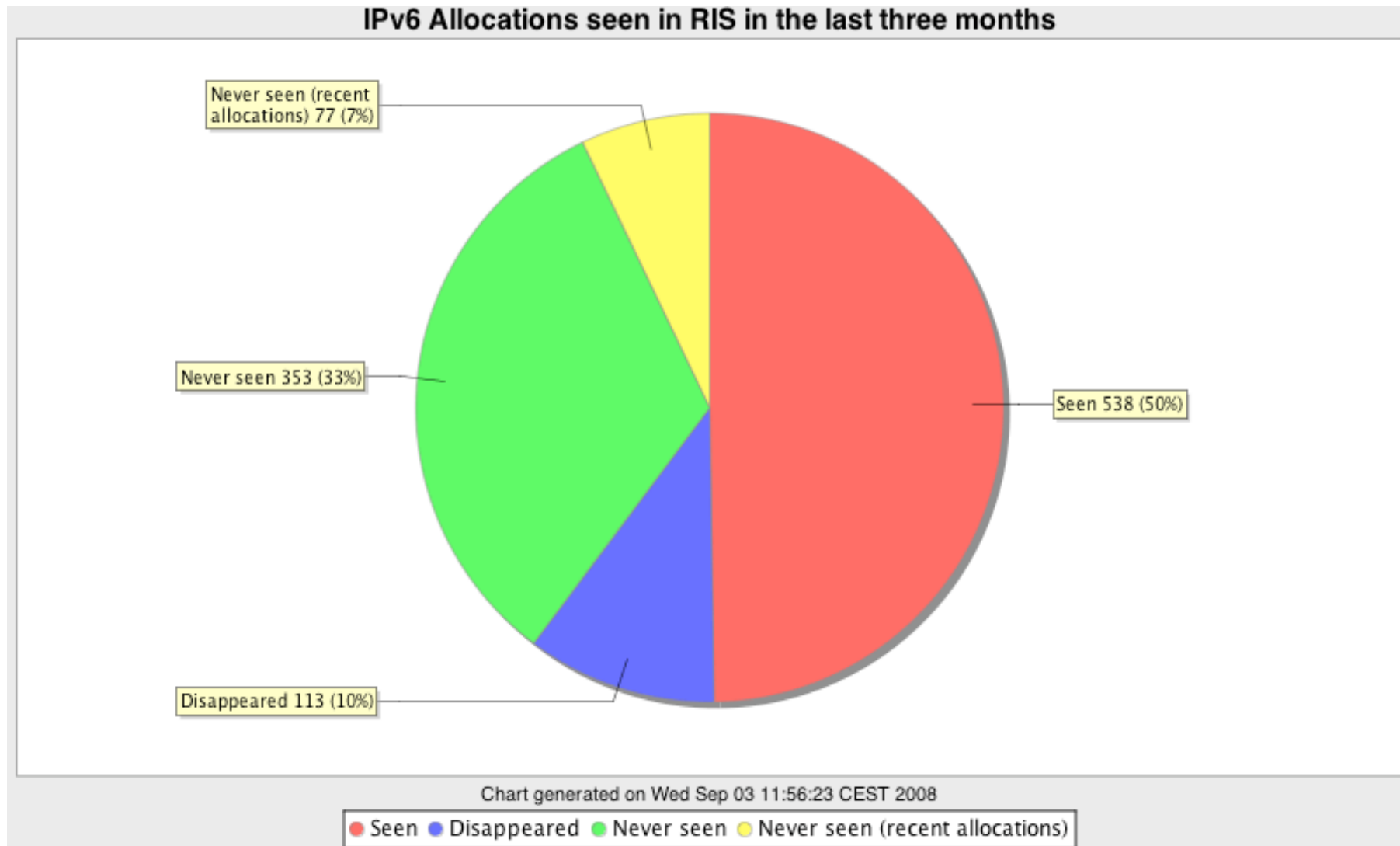
IPv6 – Regional Statistics



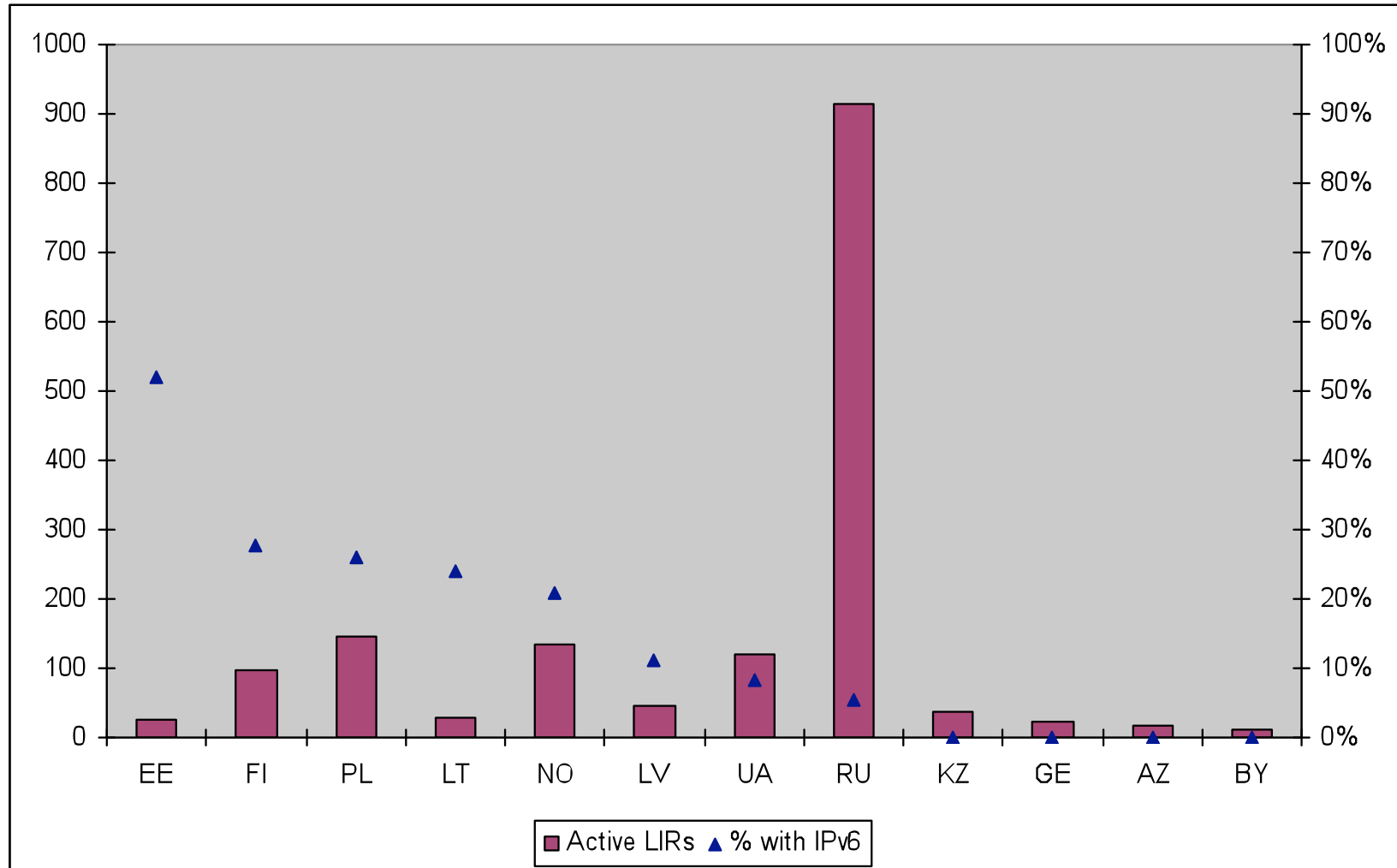
Number of allocations shown



IPv6 – Seen in RIS



IPv6 - Regional Statistics



% of LIRs with an IPv6 allocation



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32-bit AS Numbers

Global policy on 32-bit ASN deployment schedule:

1 Jan 2008: 16-bit default, 32-bit on request

1 Jan 2009: 32-bit default, 16-bit on request

1 Jan 2010: Only 32-bit AS Numbers (expected)

Note: 16-bit AS Numbers will not be deprecated

This schedule applies to the assignment of new ASNs



32-bit AS Numbers and You

Can you handle the new format, e.g. “AS 1.5432”?

If not, please don't wait until 2009!

Prepare for 32-bit AS numbers in your organisation:

- Check whether your hardware is compatible; if not, ask your hardware vendor for support
- Check whether your upstream provider is running compatible hardware; if not, encourage them to upgrade!



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Services Center

- Arne Kiessling - IP related questions



- Smahena Amakran - Billing related & general questions





Summary

- Lot's of activity in the Policy area
 - v4 exhaustion
 - v6 uptake
- Increase of interest in v6 space throughout the region
- Be prepared for 32-bits ASN's

Questions?

