



# RIPE NCC Status

*RIPE NCC Staff*

presented by:

**Axel Pawlik**

Managing Director

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# Outline

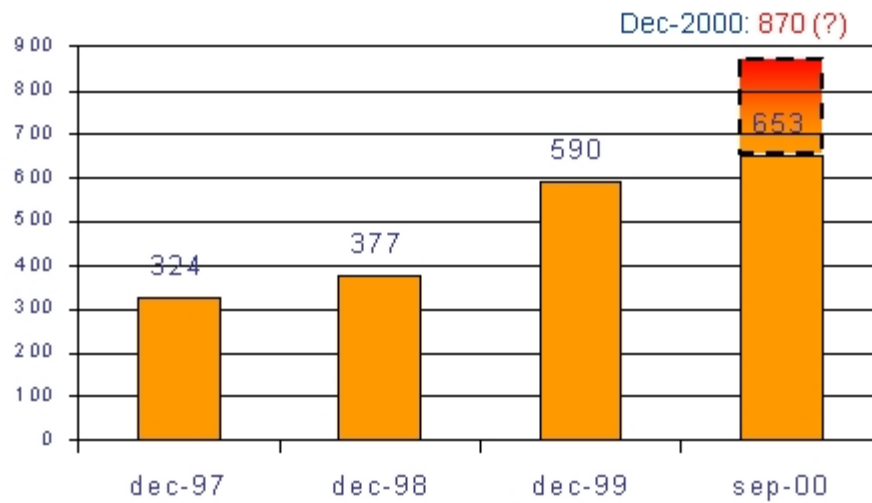
- Services & Co-ordination Activities
- New Projects
- RIPE NCC Priorities
- Next Steps





# LIR Growth 97-00

(current membership total: ~ 2400)



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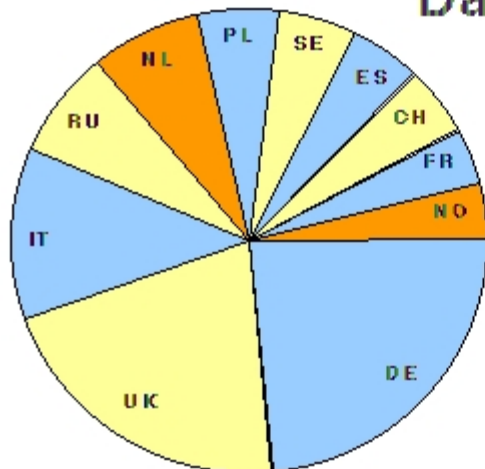
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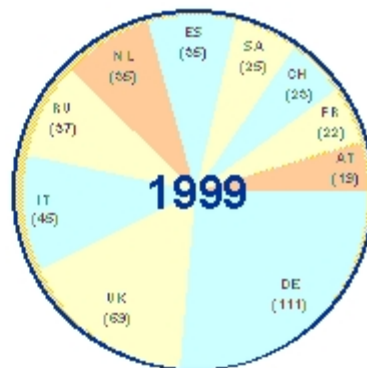
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# Top10 New LIRs 2000 to Date



Jan-Sep 2000:  
653



Jan-Aug 1999:  
380

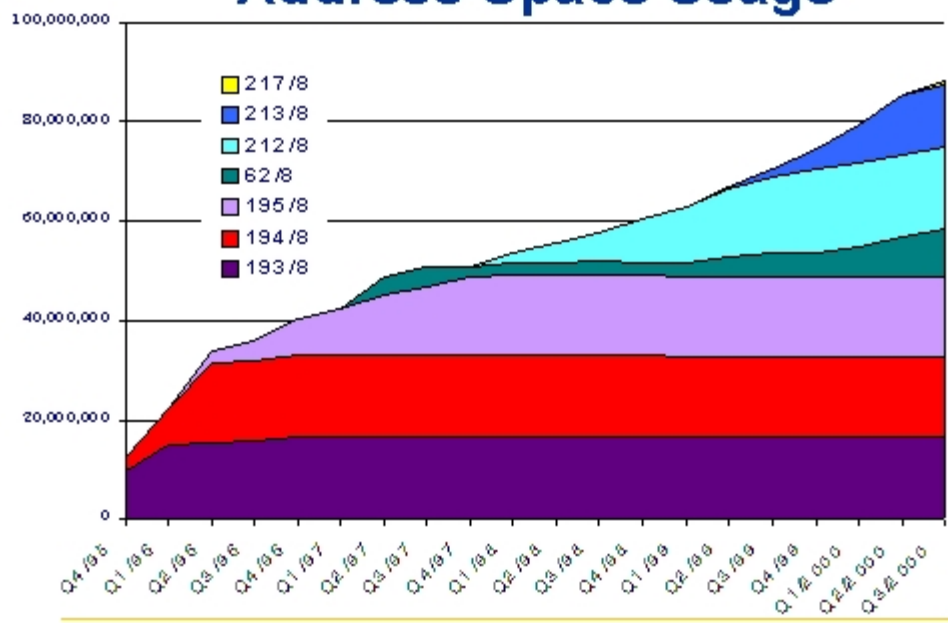
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# Address Space Usage

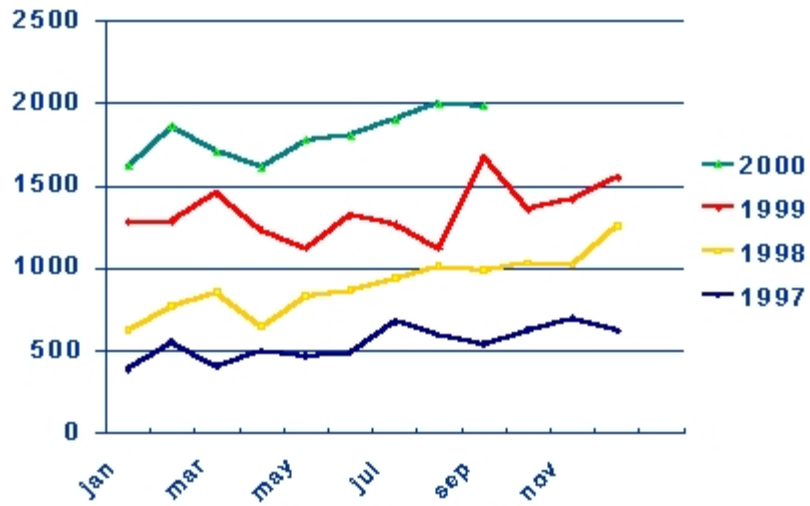


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## Number of new requests in <hostmaster@ripe.net>





## Consumption rates

- 1997-98
  - 691,467 IPv4 addresses per month (0.62 /8 p.a.)
  - 41 AS numbers per month
- 1999
  - 1,178,027 IPv4 addresses per month (0.80 /8 p.a.)
  - 54 AS numbers per month
- 2000
  - 2,237,389 IPv4 addresses per month (1.2 /8 p.a.)
  - 82 AS numbers per month

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# RS Achievements

- 'RIPE NCC Reference Guide' ready
- 'Asused public' further improved
- More pro-active AW raises
- Further improved automation and efficiency
- Fruitful discussions in May 17 Task Force

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# IPv6

- **45 queries in total**
  - 21 sub-TLAs Allocated
  - 10 ranges reverse delegated
- **Excellent co-operation between RIRs**
  - Common evaluation of requests
- **IETF input on Allocation Policy**
  - RIR representation to IPv6 WG directorate

<http://www.ripe.net/ripe/docs/ripe-196.html>

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# RIPE Database

- **Whois service**
  - <http://www.ripe.net/ripenncc/pub-services/db/>
- **Database Re-implementation**
  - <http://www.ripe.net/ripenncc/pub-services/db/reimp/>
- **Database Consistency Project**
  - <http://www.ripe.net/ripenncc/pub-services/db/state/>
- **Routing Registry Consistency Check**
  - <http://www.ripe.net/ripe/wg/routing/index.html>

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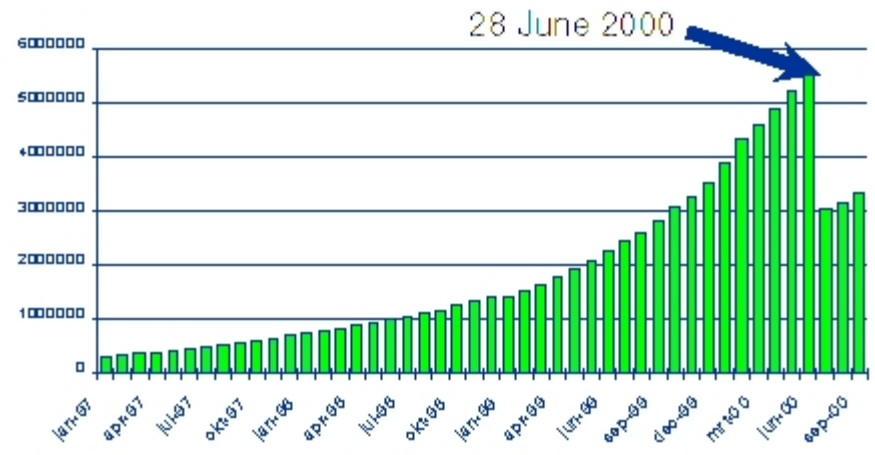
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# 3.3 Million Objects

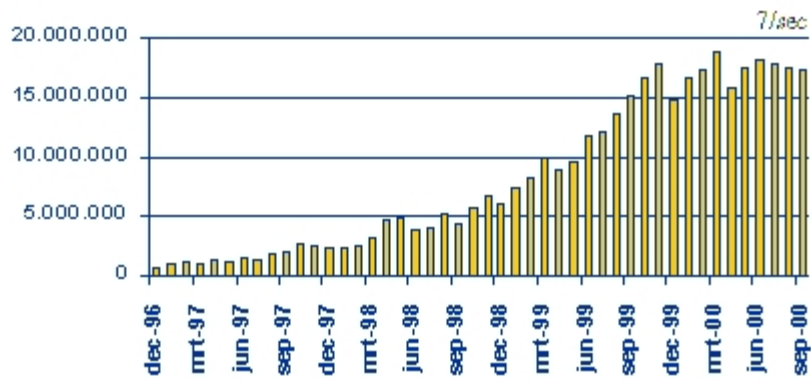


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# Queries < 7/sec average

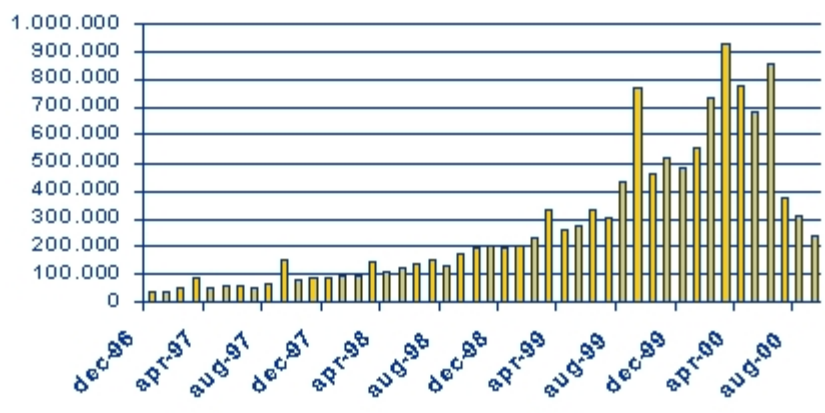


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# Updates 21/min -> 6/min



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## Test Traffic Measurements

- Improved Analysis Code became operational
- Preparations to roll out more test-boxes
  - Test-boxes are now for sale
  - TTM service has been introduced
- Plans for the next months
  - Several interesting analyses in progress
  - Roll out TTM as a regular service

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# PAM2001-Workshop

- An annual workshop on Passive and Active Measurements.
  - First workshop in New Zealand, April 2000, great success
  - Second workshop in Amsterdam, April 23-24, 2001
  - Organized by the RIPE NCC
- Call for Papers issued, deadline November 12
- See <http://www.ripe.net/pam2001> if you are interested in participating.

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# Routing Information Service

- **Highlights of the last few months**
  - Second collection point at LINX
  - New database server machine added
  - Improved Route Collection Scheme
- **Current Status:**
  - 2 collection points (RIPE NCC, LINX)
  - Database set up at the RIPE NCC
  - Prototype user interface

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# External Communications (1)

- New Website Launch in Q1'00
- RIPE / RIPE NCC identity
- Outreach activities / RIPE NCC awareness
  - Established relations with ETSI
  - RIPE NCC / GSM Assoc. joint press release
  - French Gov't / Advisor to GAC representative
  - Presentation at upcoming GAC meeting
  - Meetings with MEPs (members of European Parliament)
  - Active at industry related conferences & forums
  - Platinum membership ISOC supporting standard activities
- Extended and improved FAQ  
<http://www.ripe.net/ripenncc/faq/>





## External Communications (2)

- 54 courses planned for 2001
- New course material successfully introduced  
<http://www.ripe.net/ripenncc/mem-services/training/>
- Increased number of participants per course to 30
- Upcoming courses October-December:  
Amsterdam (NL), Geneva (CH), Lisbon (PT), Helsinki (FI), Rome (IT), Amman (JO), Krakow (PL), Moscow (RU)

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# ICANN / ASO (1)

- **Attended ICANN Meetings**
  - Cairo, Egypt / Yokohama, Japan
- **ASO General Assembly Meeting - 19 May 2000**
- **ASO Address Council Nominations**
  - current RIPE appointed AC members: Hans Petter Holen, Wilfried Woeber, Sabine Jaume
  - RIPE 38 LIR-WG (RIPE NCC region)
  - see: <http://www.aso.icann.org>
- **New ICANN Director (ASO)**
  - Dr Sang Hyun Kyong (APNIC region)

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## ICANN / ASO (2)

- **RIR individual funding levels agreed**
  - 15% APNIC / 35% ARIN / 50% RIPE NCC
  - to be re-negotiated for ICANN 2nd fiscal year
- **New contract draft received from ICANN**
- **MoU amendment**
  - aligns terms of office of AC members
- **root server agreement**
  - k, LINX, London

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# RIR Co-ordination

- **Policy co-ordination**
  - IPv6 discussions at IETF
- **Assistance from APNIC staff**
- **Common evaluation of requests**
  - (IPv6, GPRS, large and complex requests etc.)
- **RIR Retreat**
  - ICANN contract / IPv6 / policy co-ordination / DB consistency
- **Attended ARIN, APNIC, LACNIC & AfrinIC meetings**

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# RIPE NCC Next Steps

- Further automate internal tools and processes
- Complete infrastructure overhaul
- Extend tools for members
- Update and improve external documentation
- Migrate to new DB software
- Introduce TTM as a service
- Further formalise ICANN relations





# RIPE NCC Priorities

- Ensure and further improve stable, reliable and high quality services
- Respond to members needs and propose and develop services as needed
- Further increase RIPE NCC and RIPE awareness

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# Questions and Answers



<http://www.ripe.net/ripenncc/about/agm/agm2000/>

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