



RIPE NCC Status

RIPE NCC Staff

presented by:

Axel Pawlik

Managing Director

Axel Pawlik · AGM2000 - 24 October 2000 - Amsterdam · <http://www.ripe.net>



Slide 1 of 24



Outline

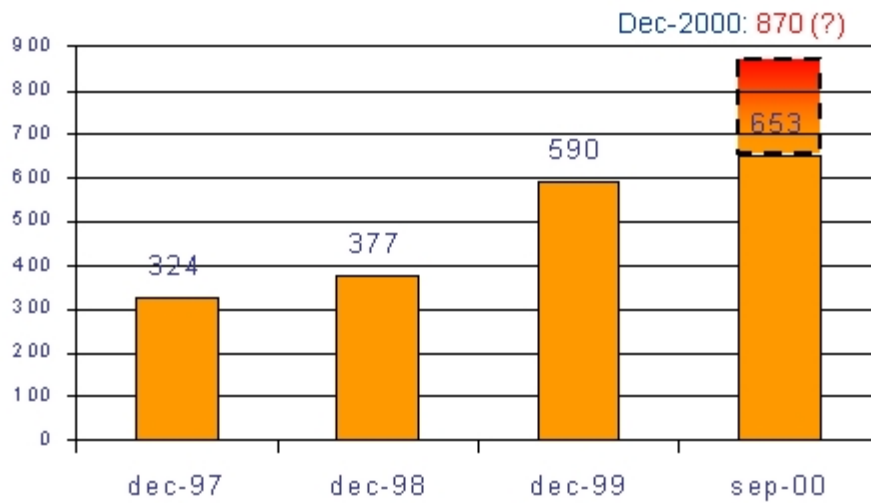
- Services & Co-ordination Activities
- New Projects
- RIPE NCC Priorities
- Next Steps





LIR Growth 97-00

(current membership total: ~ 2400)



Axel Parikh · AGM2000 - 24 October 2000 - Amsterdam · <http://www.ripe.net>

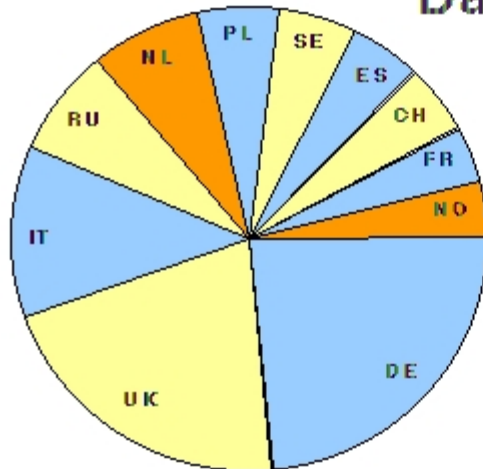
3



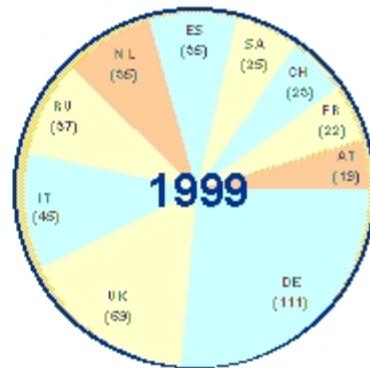
Slide 3 of 24



Top10 New LIRs 2000 to Date



Jan-Sep 2000:
653



Jan-Aug 1999:
380

Axel Parikh: . AGM2000 - 24 October 2000 - Amsterdam . <http://www.ripe.net>

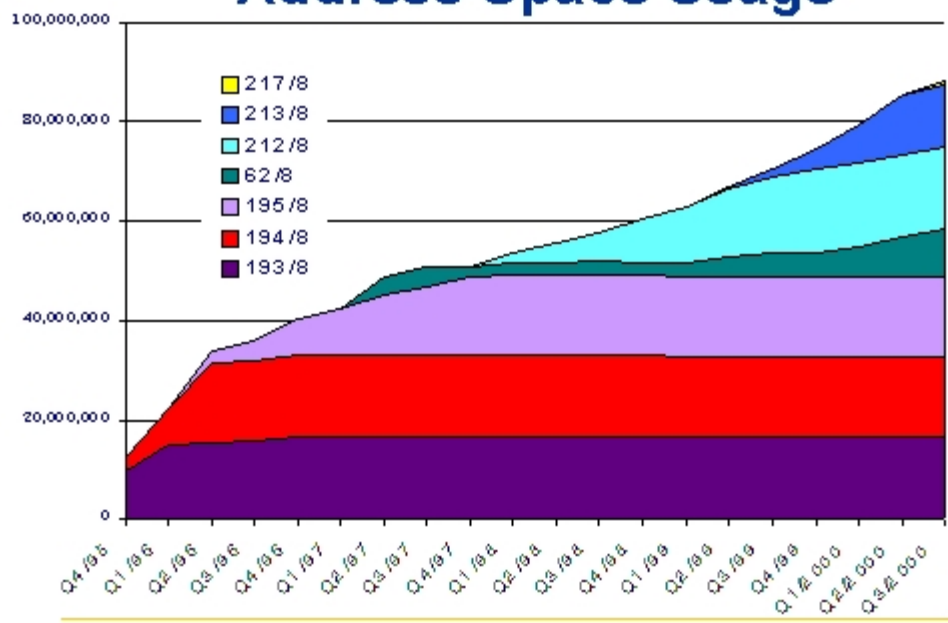
4



Slide 4 of 24



Address Space Usage

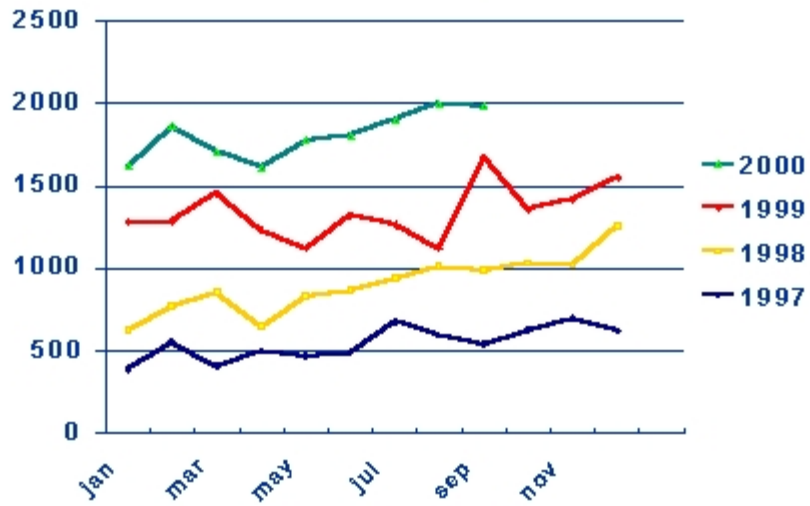


Axel Parikh: AGM2000 - 24 October 2000 - Amsterdam <http://www.ripe.net>





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

Axel Parikh · AGM2000 - 24 October 2000 - Amsterdam · <http://www.ripe.net>

7



Slide 7 of 24



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

Axel Parikh · AGM2000 - 24 October 2000 - Amsterdam · <http://www.ripe.net>

8



Slide 8 of 24



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>

Axel Parikh . AGM2000 - 24 October 2000 - Amsterdam . <http://www.ripe.net>

9



Slide 9 of 24



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>

Axel Parikh • AGM2000 - 24 October 2000 - Amsterdam • <http://www.ripe.net>

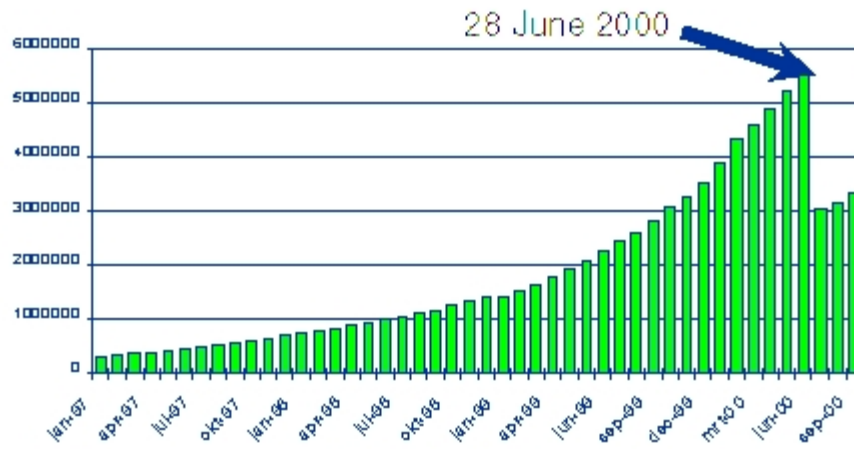
10



Slide 10 of 24

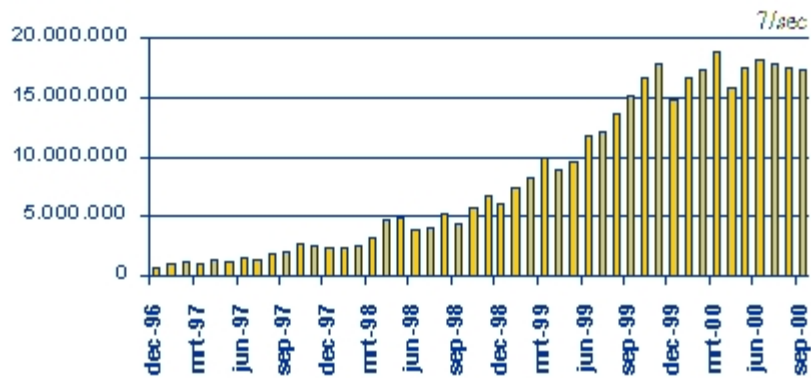


3.3 Million Objects





Queries < 7/sec average

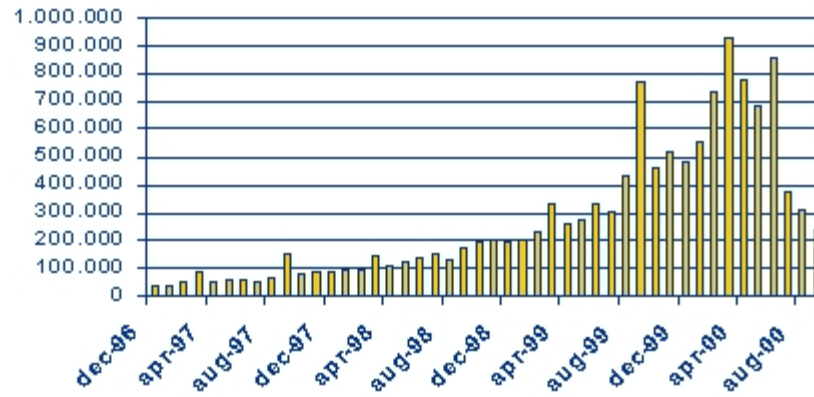


Axel Parlik AGM2000 - 24 October 2000 - Amsterdam <http://www.ripe.net>





Updates 21/min -> 6/min





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





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.

Axel Parikh AGM2000 - 24 October 2000 - Amsterdam <http://www.ripe.net>

15



Slide 15 of 24



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

Axel Parikh · AGM2000 - 24 October 2000 - Amsterdam · <http://www.ripe.net>

16



Slide 16 of 24



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)

Axel Parikh · AGM2000 - 24 October 2000 - Amsterdam · <http://www.ripe.net>

18



Slide 18 of 24



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)

Axel Parikh · AGM2000 - 24 October 2000 - Amsterdam · <http://www.ripe.net>

19



Slide 19 of 24



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

Axel Parikh • AGM2000 - 24 October 2000 - Amsterdam • <http://www.ripe.net>

20



Slide 20 of 24



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**

Axel Pavlik · AGM2000 - 24 October 2000 - Amsterdam · <http://www.ripe.net>

21



Slide 21 of 24



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

Axel Parikh · AGM2000 - 24 October 2000 - Amsterdam · <http://www.ripe.net>

23



Slide 23 of 24



Questions and Answers



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

Axel Parikh:

AGM2000 - 24 October 2000 - Amsterdam

<http://www.ripe.net>

24



Slide 24 of 24