

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

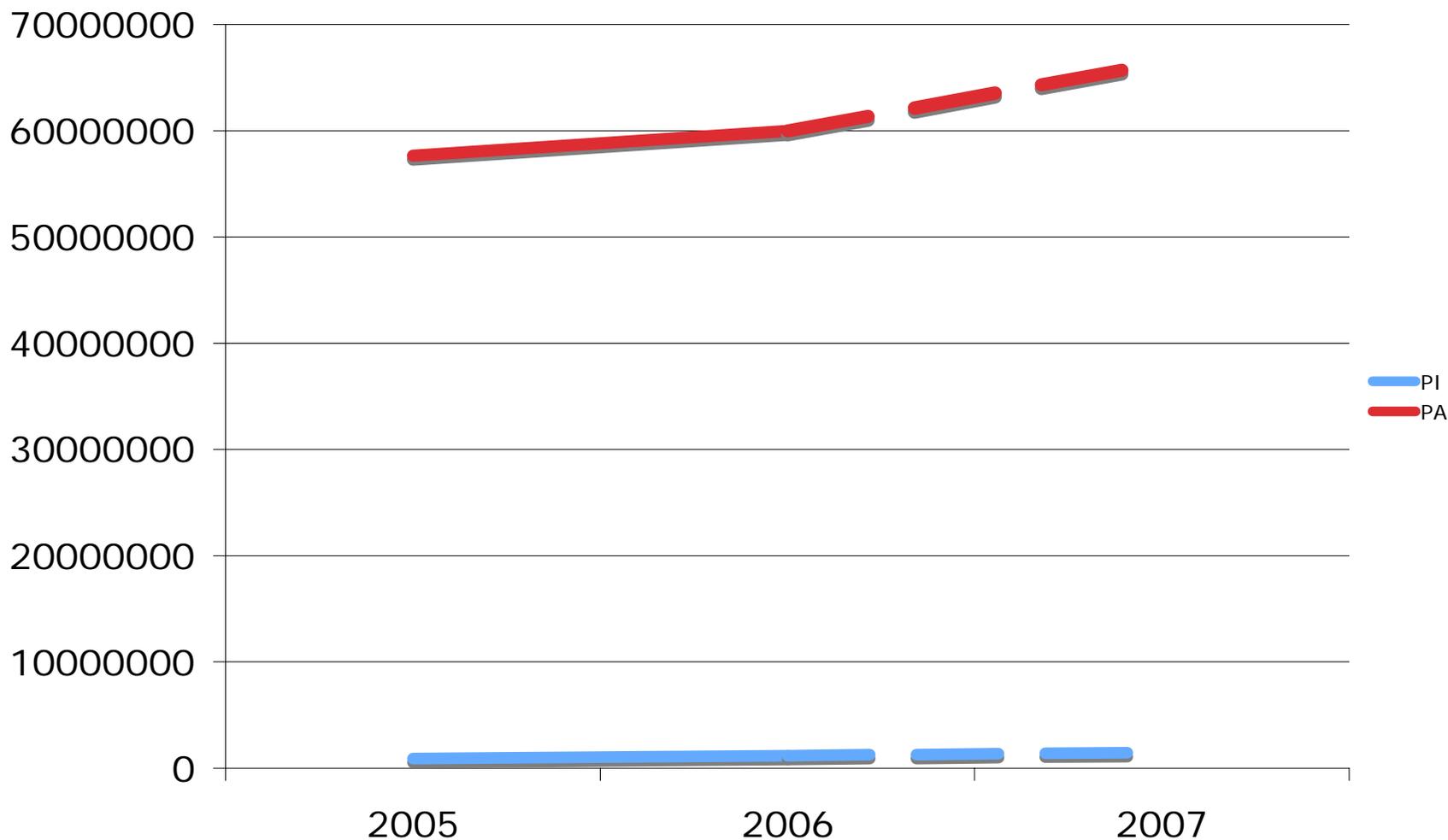
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# History / Statistics - Focusing on PI

- 15900 PI Assignments made since RIPE NCC was established in 1992
- 4440 unique organisations received PI assignments since 2005 January
- Total of last 3 years
  - About 5000 assignments equaling to a /11+/12
  - 77% of the assignments went to the Top 10 Countries
  - 14% of the assignments went to the Top 5 Members
- 2% of the total allocated space by the RIPE NCC is PI

# History / Statistics -- Address Space

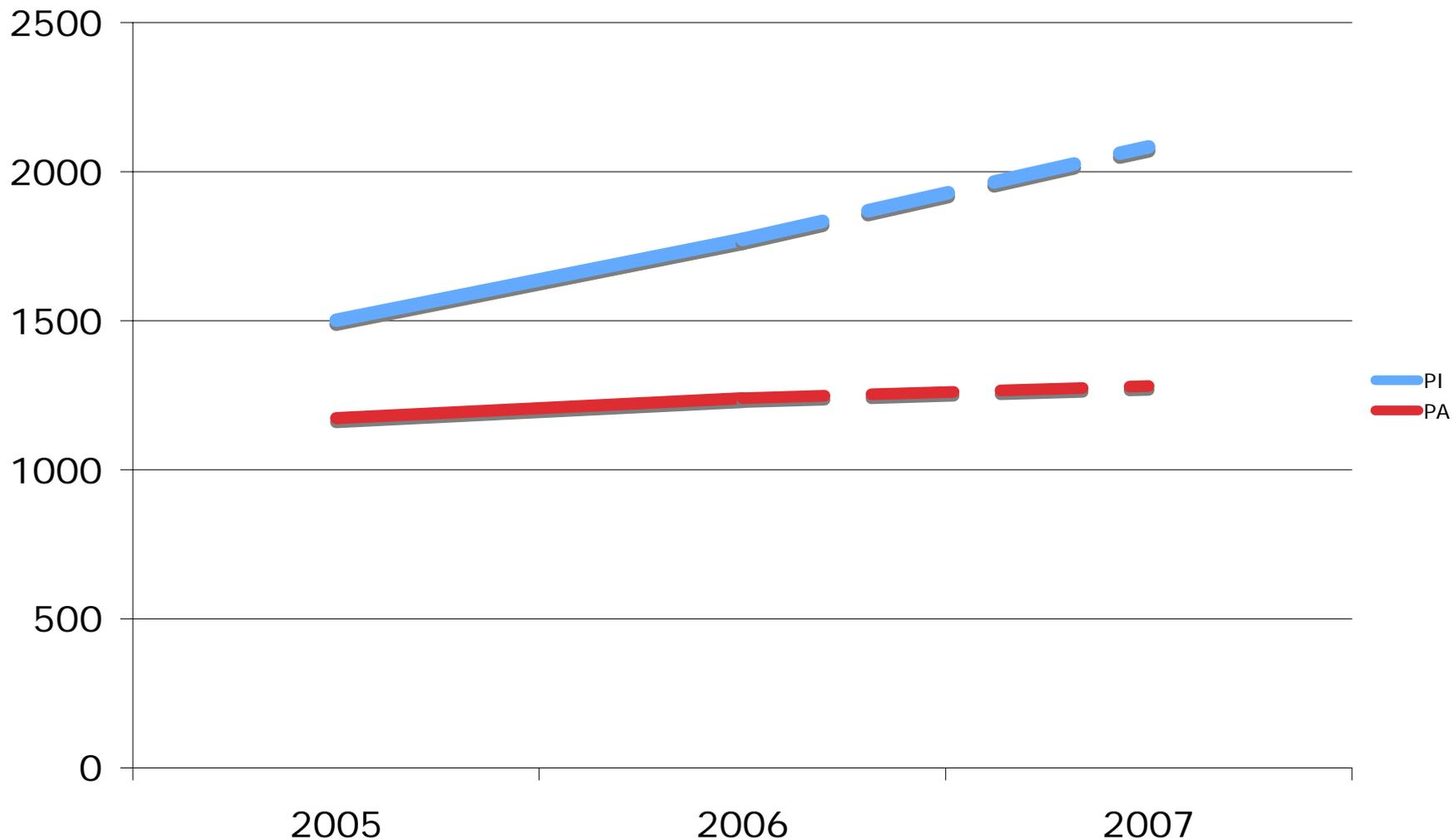
- PA Allocations vs. PI Assignments (Size in IPs)





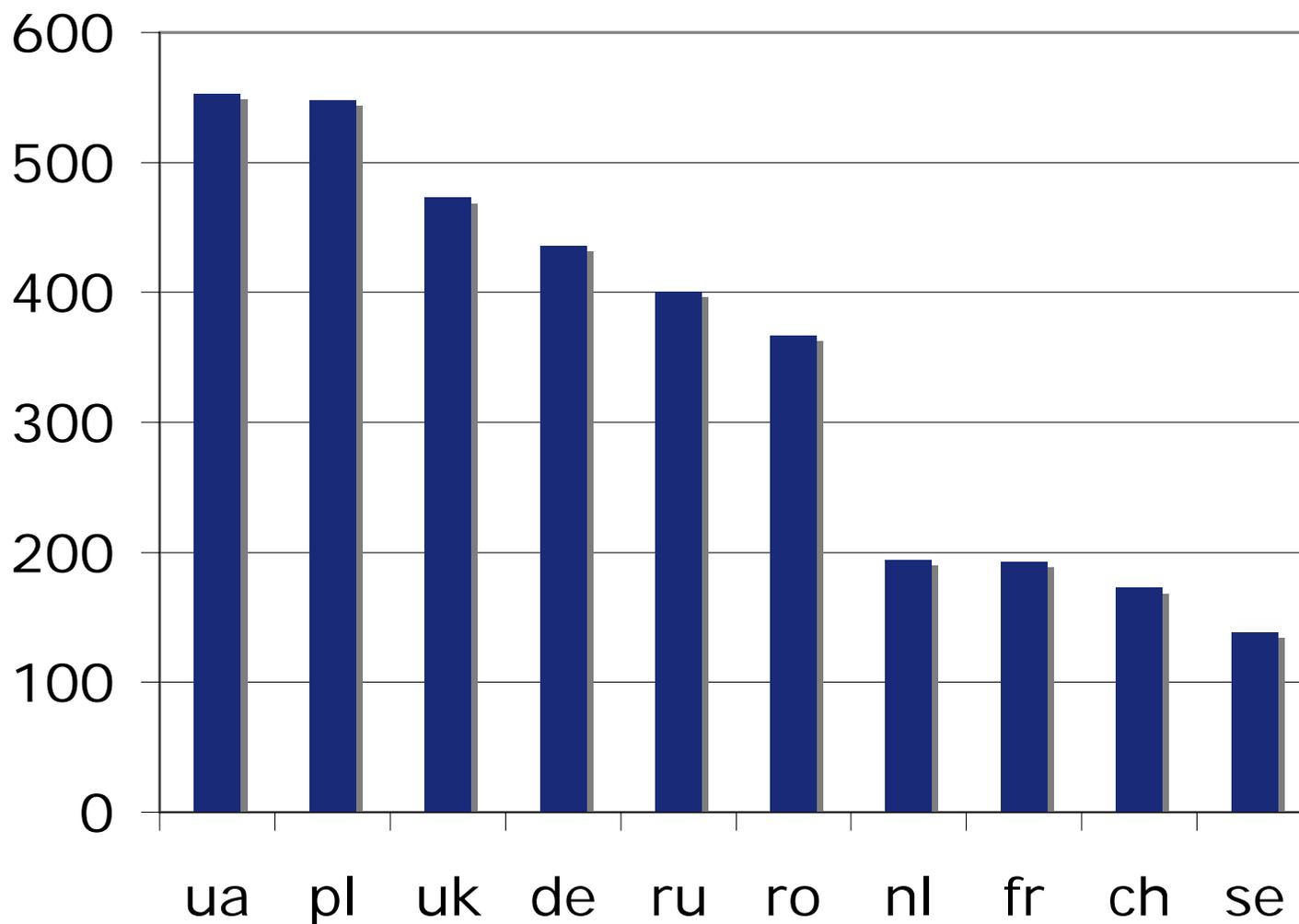
# History / Statistics -- Number of Assignments

- PI Assignments vs. PA Allocations (number of prefixes)



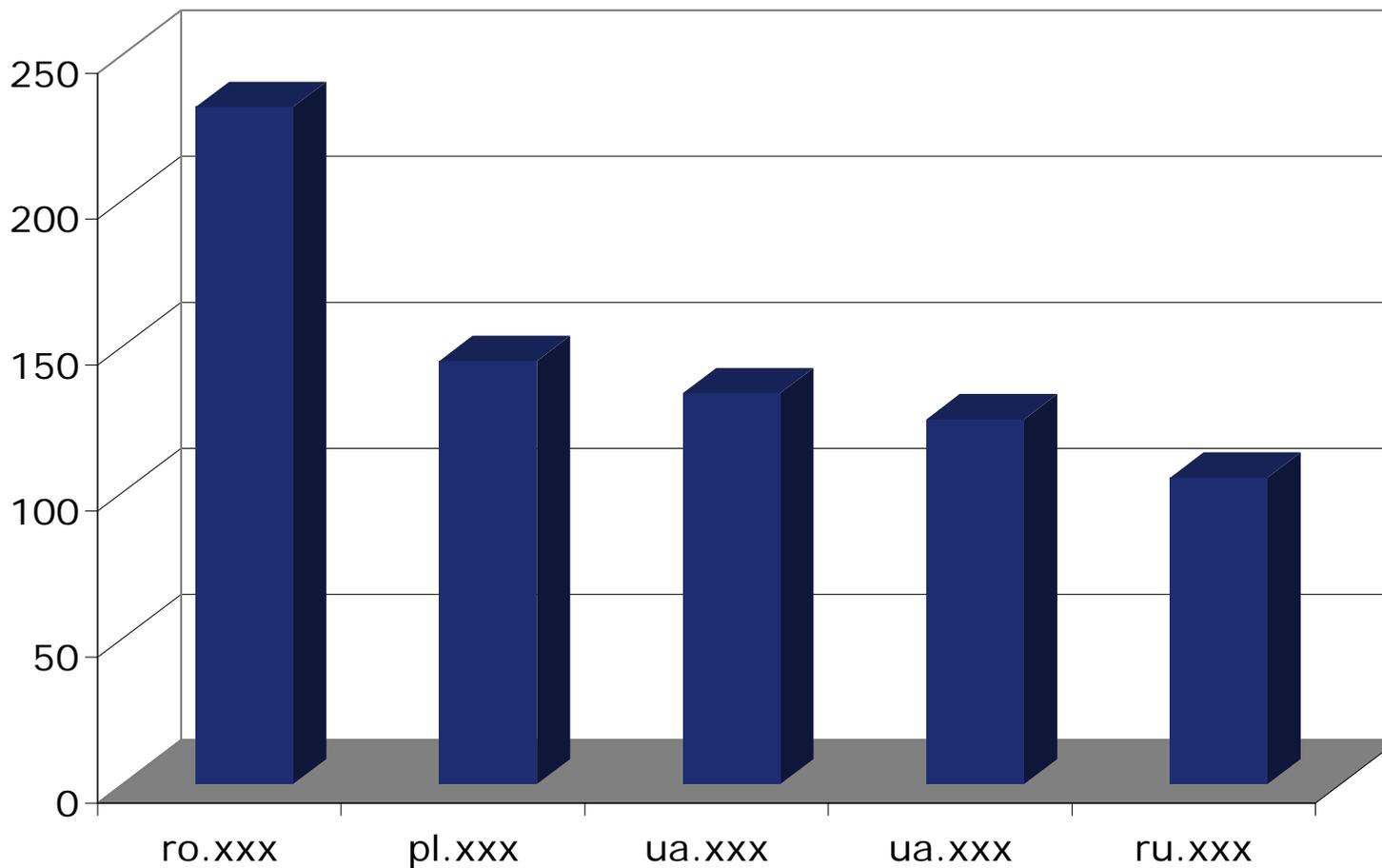
# History / Statistics

- Top 10 countries: PI Assignments in the last 3 years



# History/Statistics

- Top 5 members: PI assignments in the last 3 years





# Goals of the Proposal

- Stronger link between the RIPE NCC and the resource to enable good record keeping
- Enable RIPE NCC to confirm that the End User exists and continues to need the resource
- Enable better reclamation mechanism
- Avoid hijacking
- Fairness
  - Other resource holders, i.e LIRs have contracts with the RIPE NCC
  - Clarification on the non-hierarchical aspect of PI assignments (Secondary goal)
- Responsible stewardship of Internet resources



# Status

- Prepared draft contract
- Discussed proposal background within Executive Board
- EB supports motivation / goals
- EB voices concern
  - Admin overhead
  - RIPE NCC membership structure
  - Fairness old vs. new assignments / contracts
- EB recommends further discussion
  - Other more efficient ways to reach the same goals?

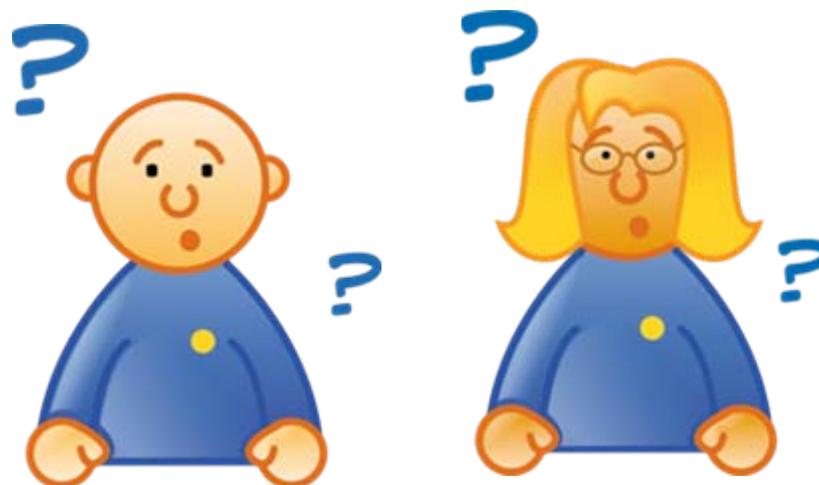


# Exploration / Brainstorm

- Border Cases
  - Do nothing
  - Abolish PI space
- Extreme Case:
  - Invalidate current assignments
  - Needs strong cooperation by too many parties
- Banking on the future:
  - Instrumentalise certification / Secure Routing
  - Action put on PI holders (“let them come to us”)

# More realistically...?

- Rely on your friends:
  - Put onus explicitly on LIRs
    - Policy driven with clear responsibilities & consequences
- Bite the bullet:
  - Prepare for contracts
  - Include “old” assignments
  - Analyse / contain effects on NCC structure
  - Pay the bill / hire the staff
- Develop specific / more well defined PI policy



# Questions?