



Human capacity building for IPv6

Based on responses to the 2011 Global IPv6 Deployment Monitoring
Survey from the global RIR community during July 2011

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Setting the scene

- The Internet has become a fundamental infrastructure, worldwide, for economic and social activity, and its usage continues to grow exponentially:
 - More users
 - New applications (eg mobile, RFID etc)
- The transition from IPv4 to IPv6 is the only sustainable option, in the long run.
- A smooth transition requires understanding the challenges, and a timely start.

Global IPv6 Deployment Monitoring Survey

- Aim is to establish the best possible comprehensive view of present IPv6 penetration and future plans of IPv6 deployment
- Best way to establish this is to ask the Internet providers and users, basically: the RIR communities around the world
- ARIN carried out such a survey with its members in March 2008, a starting point for the currently proposed survey
- RIPE NCC and APNIC carried out this same survey in 2009. In 2010 and in 2011, all RIRs participated to the survey making it truly global:
 - Survey was prepared and carried out by GNKS in close collaboration with RIPE NCC, APNIC, ARIN, AFRINIC and LACNIC
 - Survey was kept short, and focused on essentials
 - Privacy is guaranteed
- Every year, the last question is whether the survey should take place again, next year. In 2009, 2010 and 2011 more than 90% said “yes”

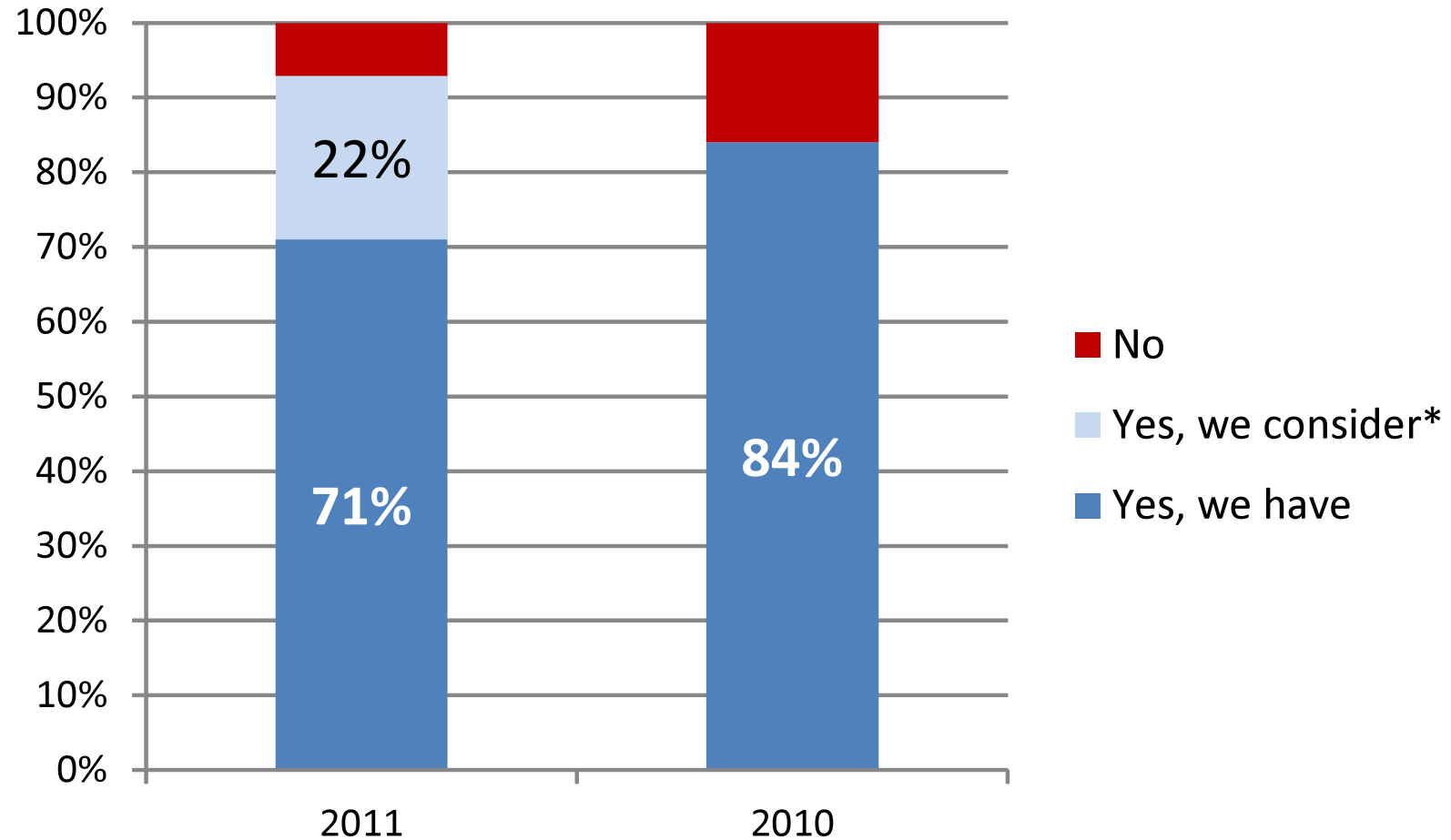
Progress on IPv6 Deployment

Key results of 2011 IPv6 Deployment
Monitoring Survey

For questions or remarks please contact info@gnksconsult.com

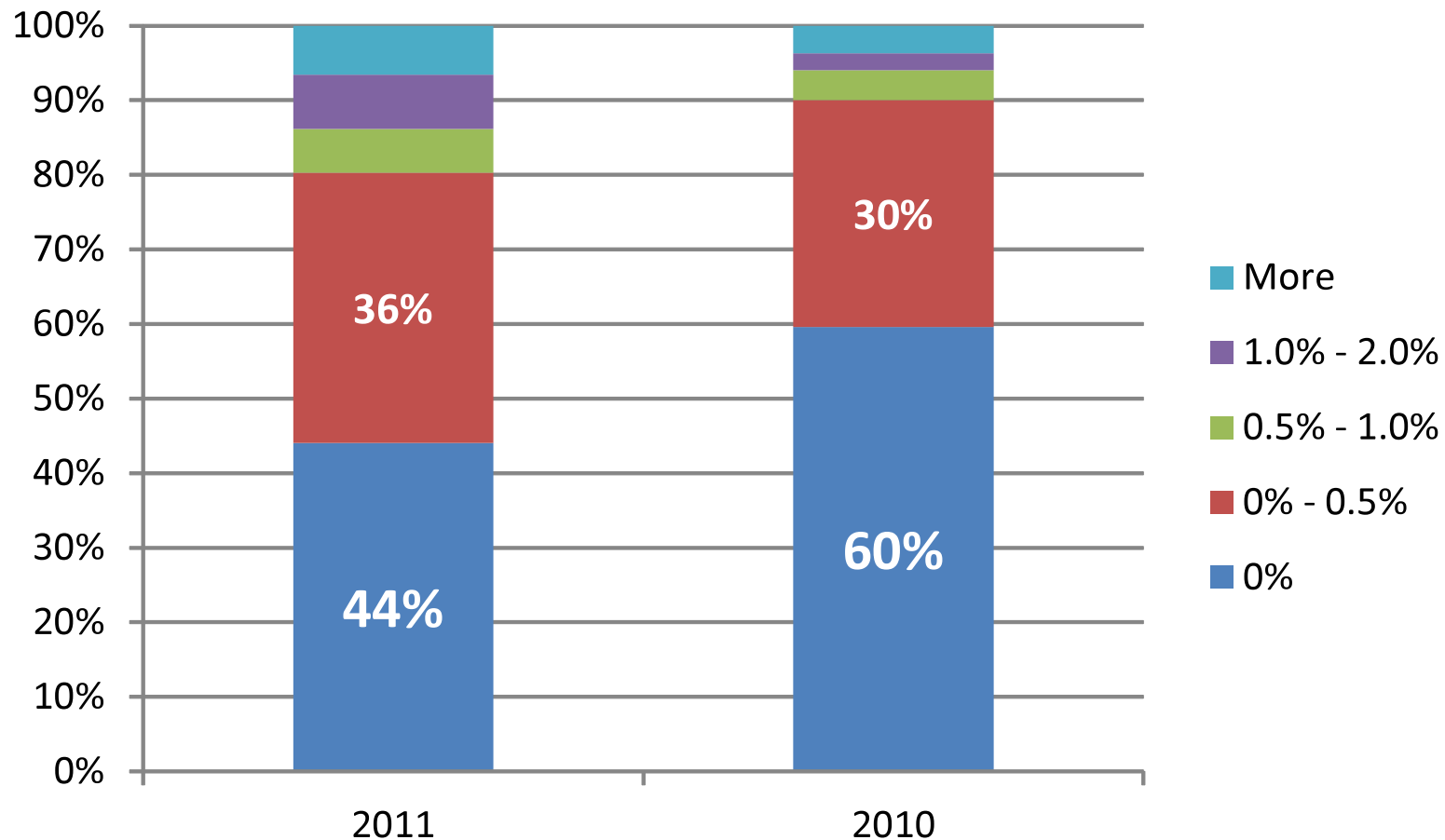


Does your organization have, or consider having an IPv6 allocation and/or assignment?



* Q10 responses. "consider" was not a separate option in survey 2010 but combined in "Yes"

ISP: What percentage of your customer base uses IPv6 connectivity?



* Q17 responses, question asked to ISPs only

source: GNKS 2011

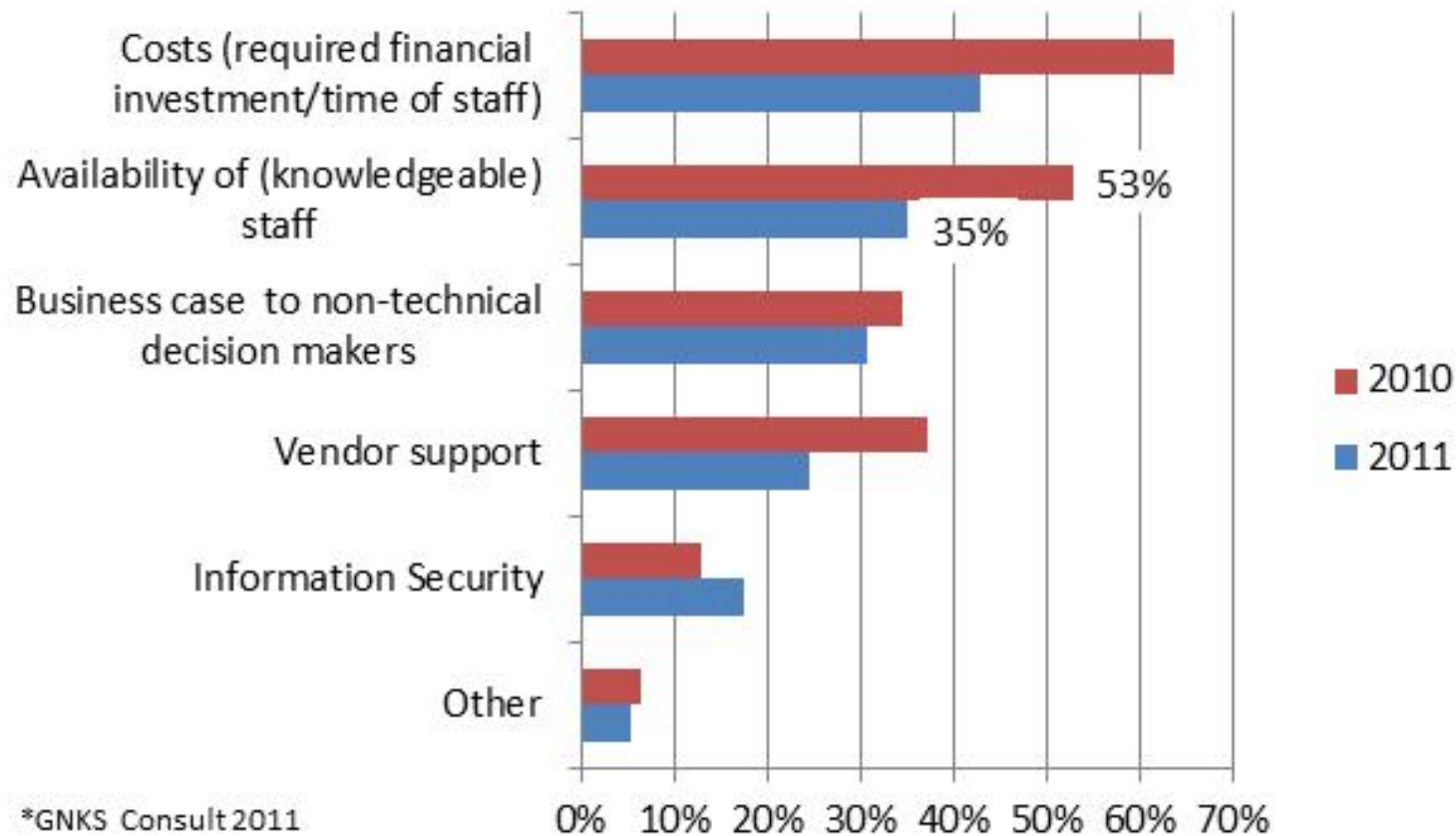
Human Capacity Needs

How hard will it be to implement IPv6,
people-wise?

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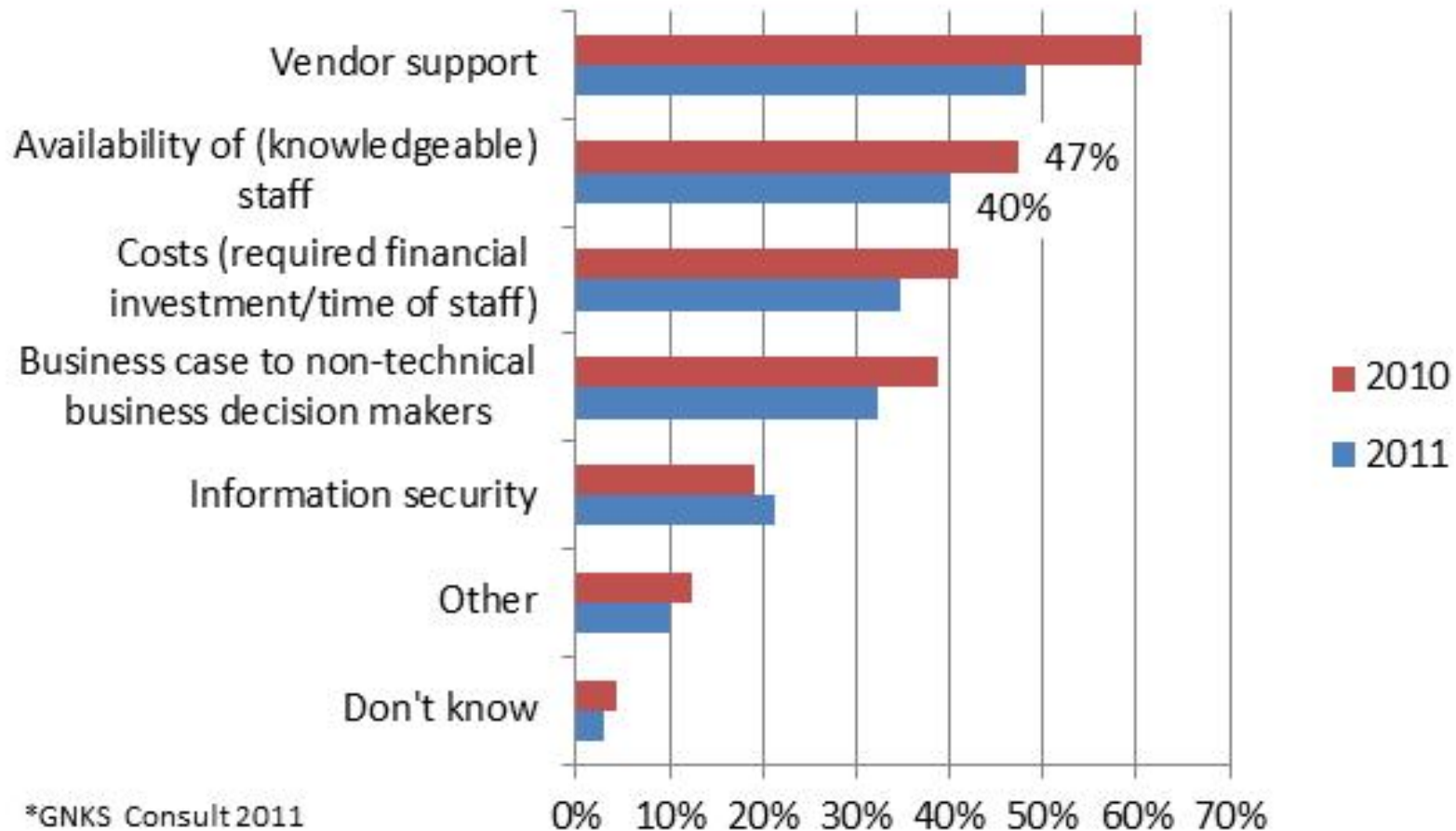


Not considering IPv6 because ...



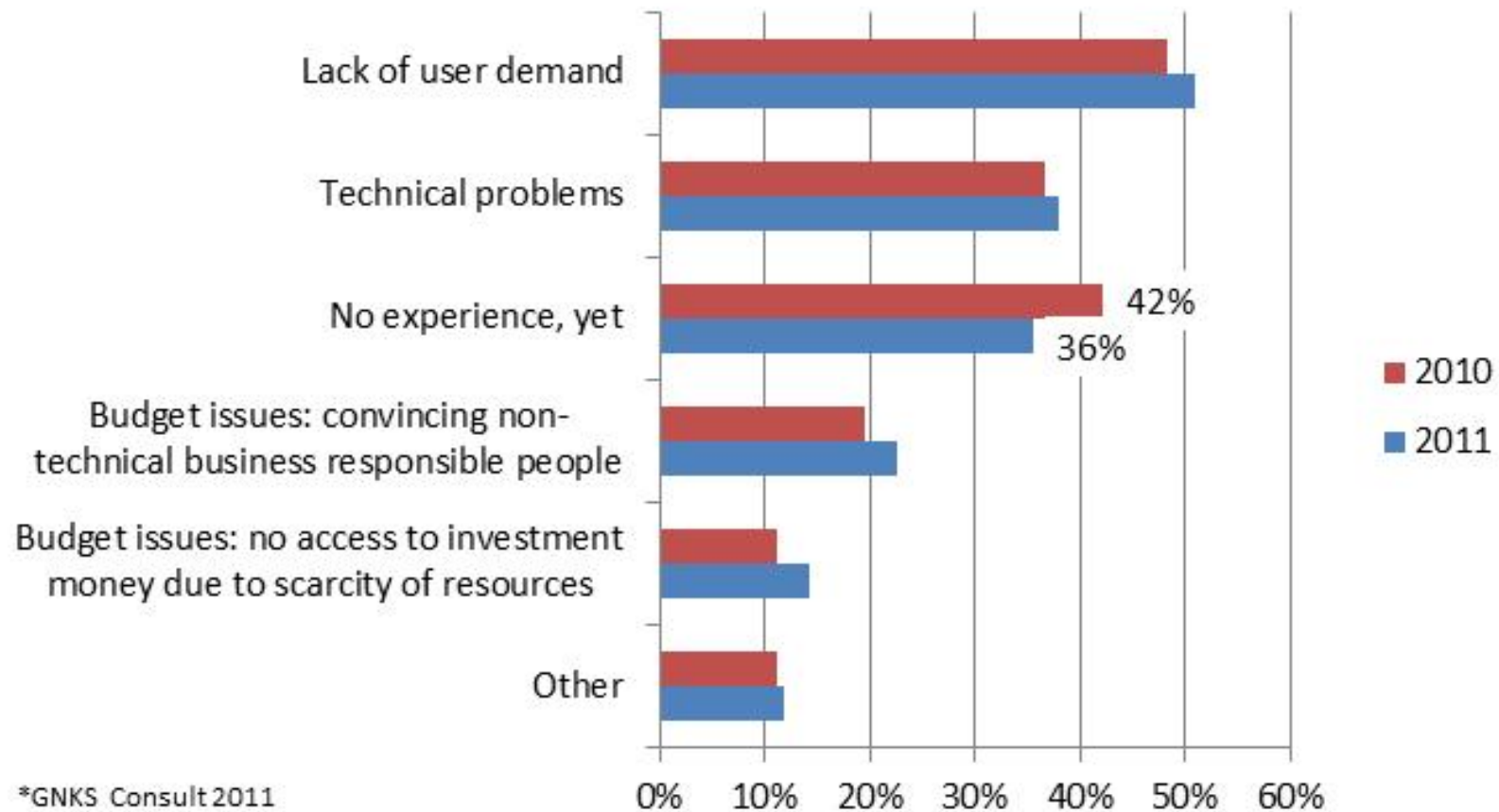
* Responses to survey Q12 - what you expect to be the biggest hurdle(s) to your organization if you were to deploy IPv6? Only by respondents who do *not* have plans to implement IPv6, yet: 16% of all respondents in 2010, 7% of all respondents in 2011.

Biggest hurdles when deploying IPv6...



* Responses to survey Q16 - What are likely to be the biggest hurdle(s) when deploying IPv6? Based on experience with organisations who implemented IPv6 (71% in 2011) or have started planning for its implementation (22% in 2011).

Biggest problems with IPv6 in practice



* Responses to survey Q17 - What are the biggest problems with IPv6 in production? Based on experience with organisations who have IPv6 in production.

We thank all respondents for their contributions !

On all points measured in this survey, progress has been made.

94% of the respondents to the question “Would you be interested to participate again to this survey in a years’ time” said:

“Yes”

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Profile of respondents

Based on the responses to the survey in 2011
Overall, no significant change towards the profile
of the 1st truly global survey in 2010

The median respondent

- is a for profit (76%) ISP (53%) from the RIPE NCC region (46%) with less than 10.000 customers (61%) and less than 50 employees (43%)
- Doesn't exist, as there is a good spread across the world of respondents from all sizes.
- Overall, with more than 1600 responses, one could say it is “globally representative for active participants in RIR communities”.
- The response profile is strikingly similar to the 2010 profile, which helps appreciate the differences

Q1 – 2011 Respondents origin

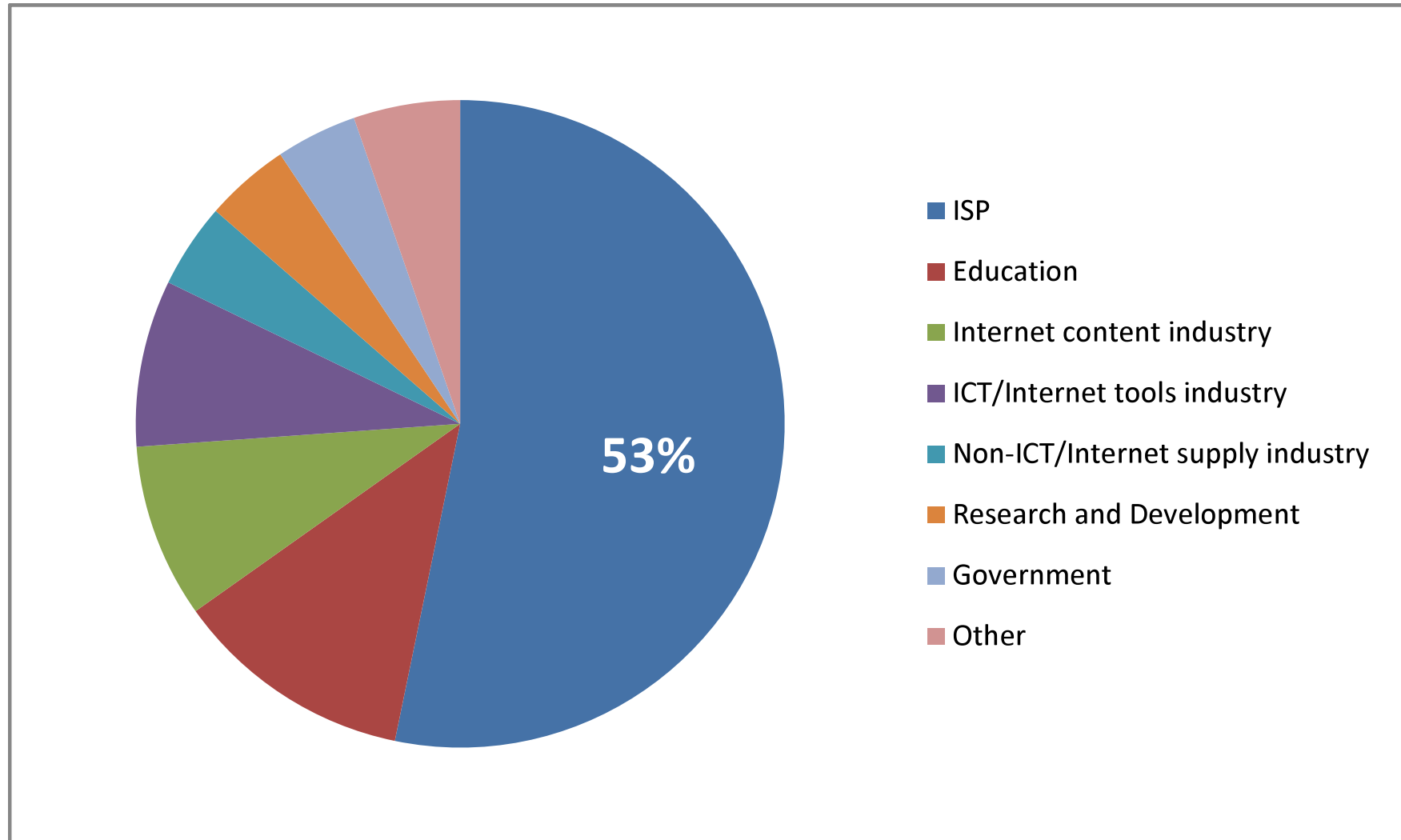
- 1656 respondents from 135 countries/economies
 - 15 countries > 29 respondents = 1029
 - 22 countries $7 < x < 30$ respondents = 356
 - 29 countries $3 < x < 8$ respondents = 154
 - 37 countries with 2 or 3 respondents = 85
 - 32 countries with 1 respondent = 32
- Top 10 respondent countries 2011

1. USA	321	6. Netherlands	60
2. UK	81	7. Russia	56
3. Germany	79	8. France	46
4. Australia	76	9. New Zealand	44
5. Taiwan*	61	10. Italy*	42

* New in Top 10

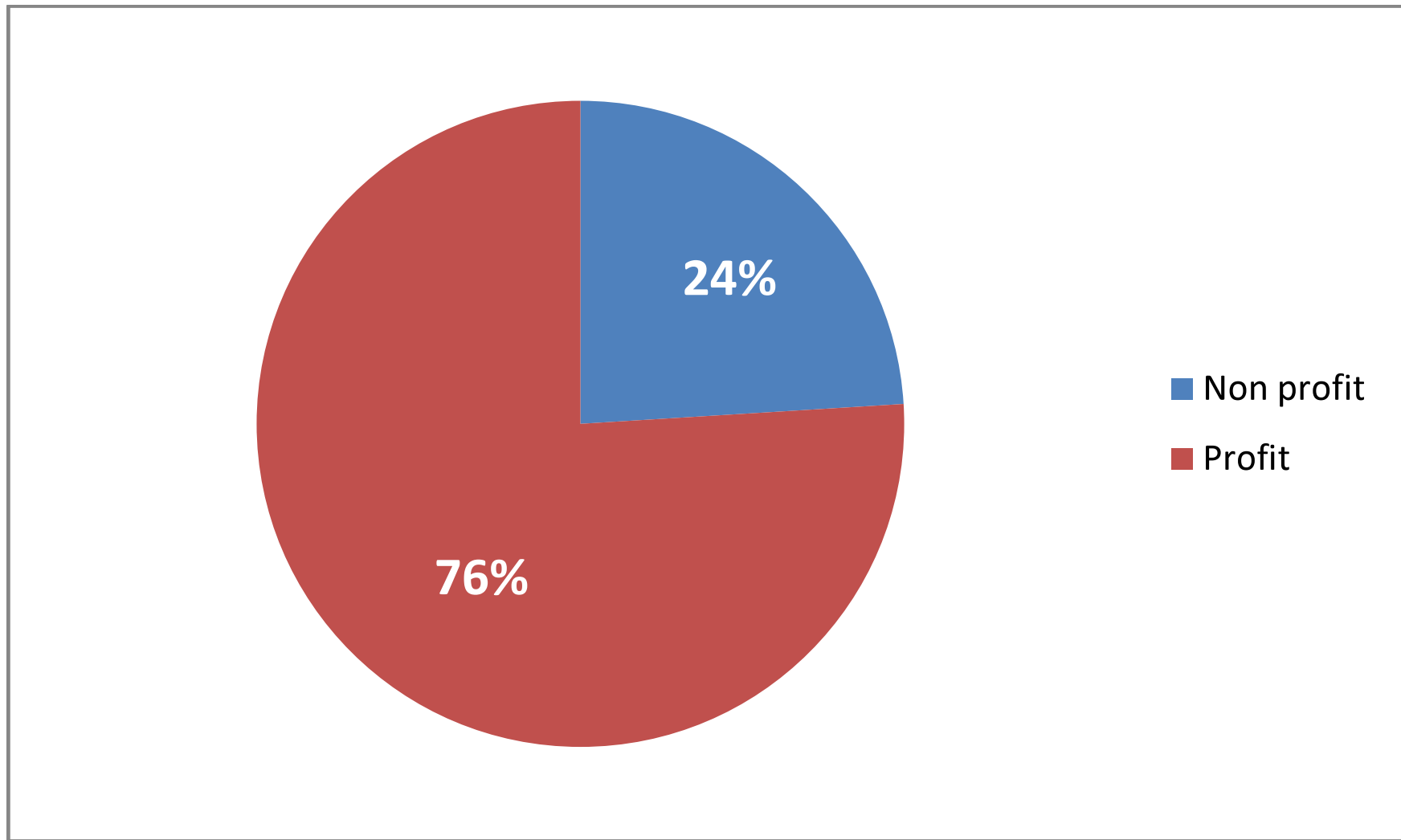
source: GNKS 2011

Q2 - Respondent categories



*slightly less ISPs as compared to 2010 (58%), further similar to 2010

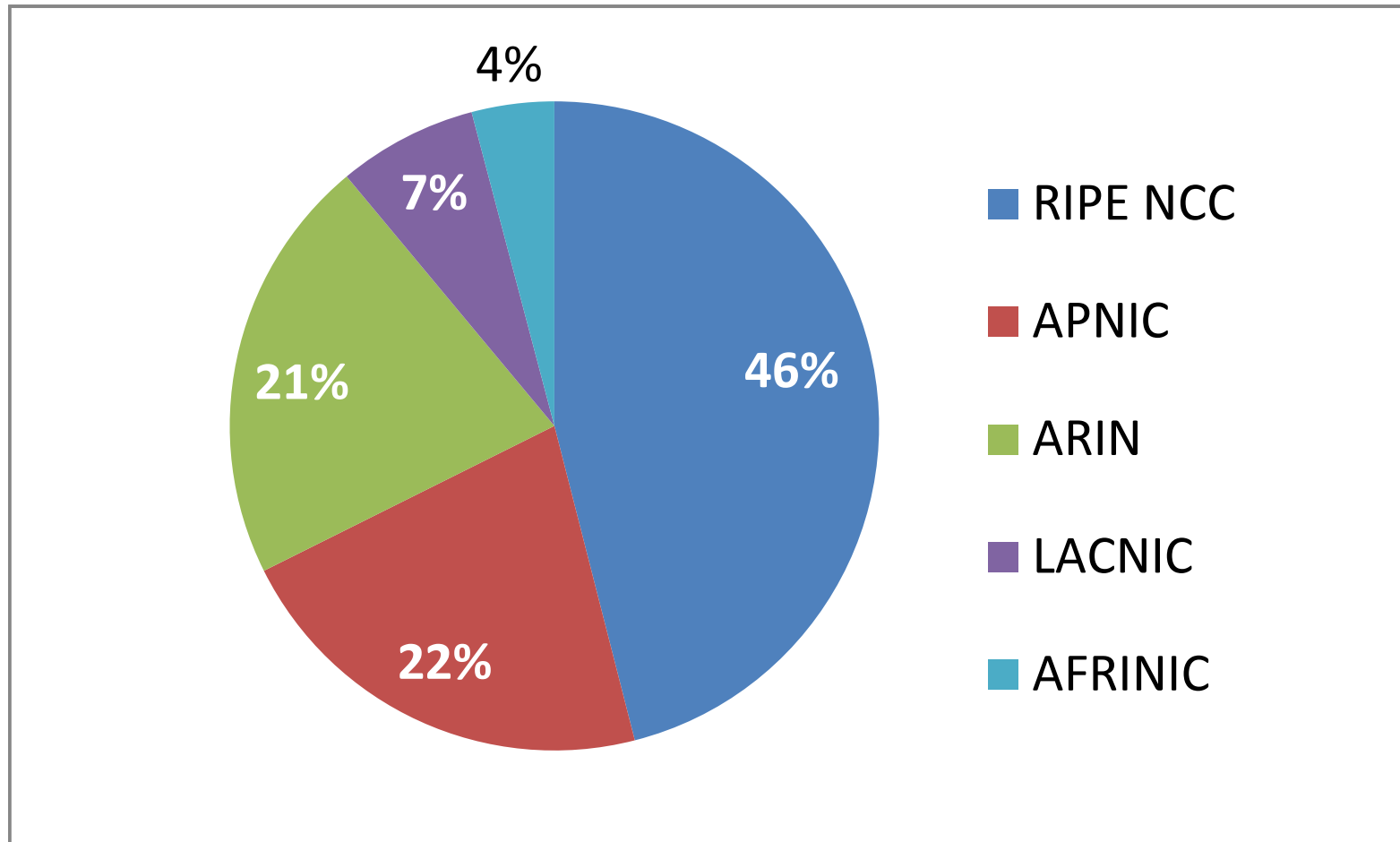
Q3 – Financial status



*No significant changes as compared to 2010

source: GNKS 2011

Q4 – To which RIR ...

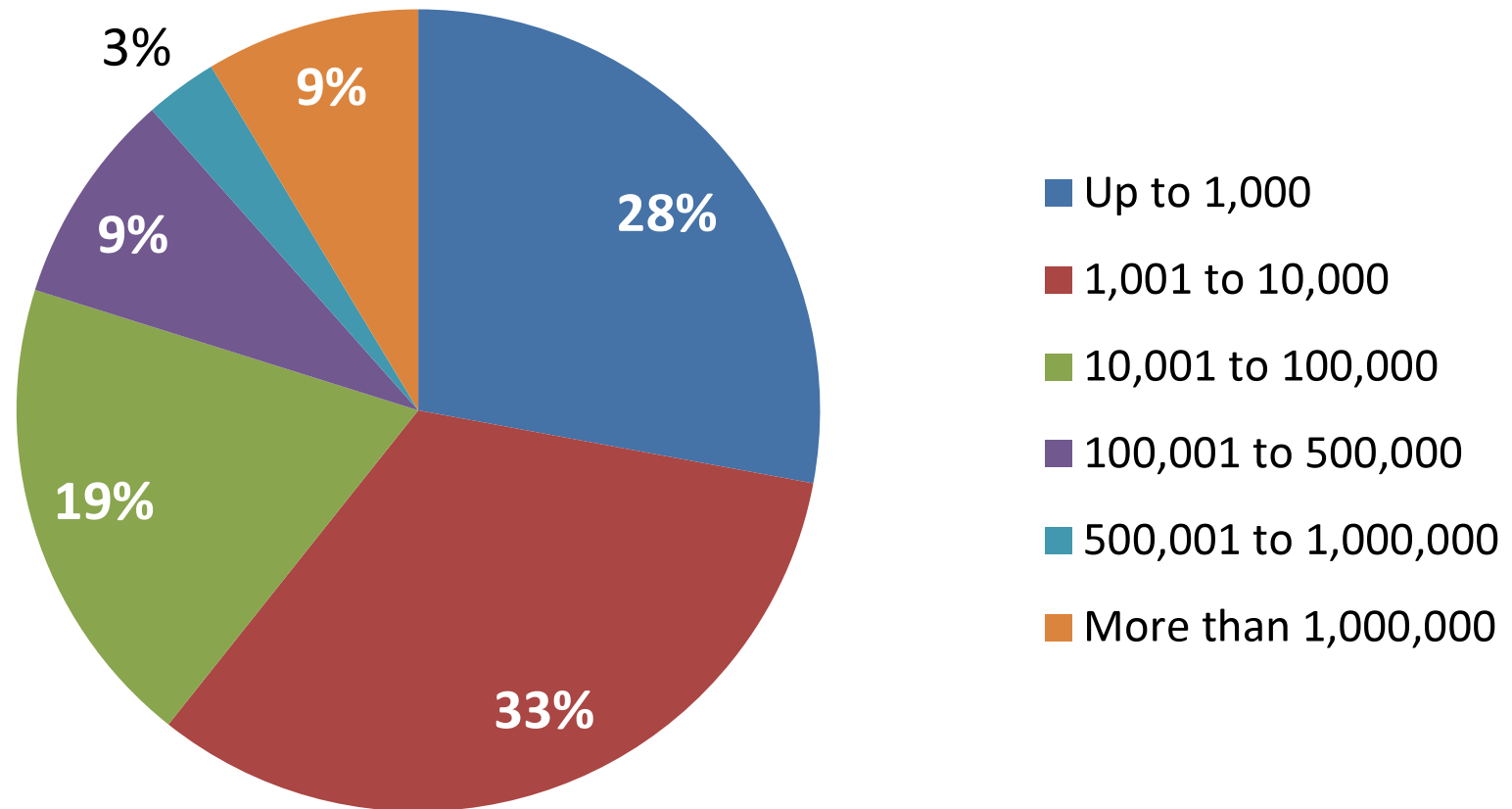


Q5 - Has your organization signed a Registration Services Agreement with your RIR?
54% says "Yes", 16% "No", 29% does not know.

*No significant changes as compared to 2010

source: GNKS 2011

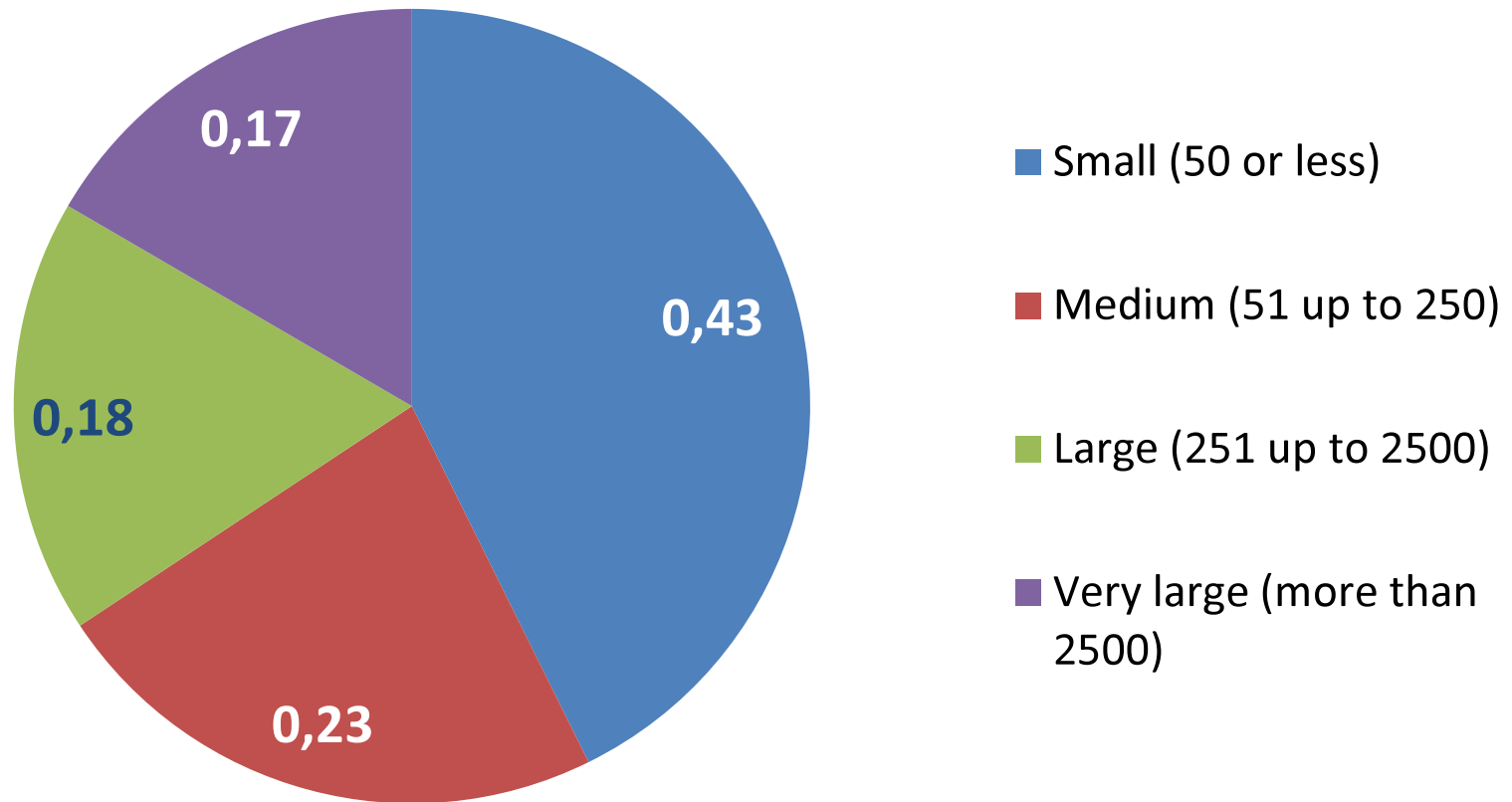
Q6 – How large is your customer base



ISPs only - *No significant changes as compared to 2010

source: GNKS 2011

Q9 - What is the size of your organization (employees)?



*No significant changes as compared to 2010

source: GNKS 2011