



Fundação para a Computação Científica Nacional  
*Foundation for National Scientific Computing*

# DNSSEC in .pt

RIPE 59

Lisbon, Portugal



Sara Monteiro

06.10.2009

Technical Infrastructure Service of DNS.PT

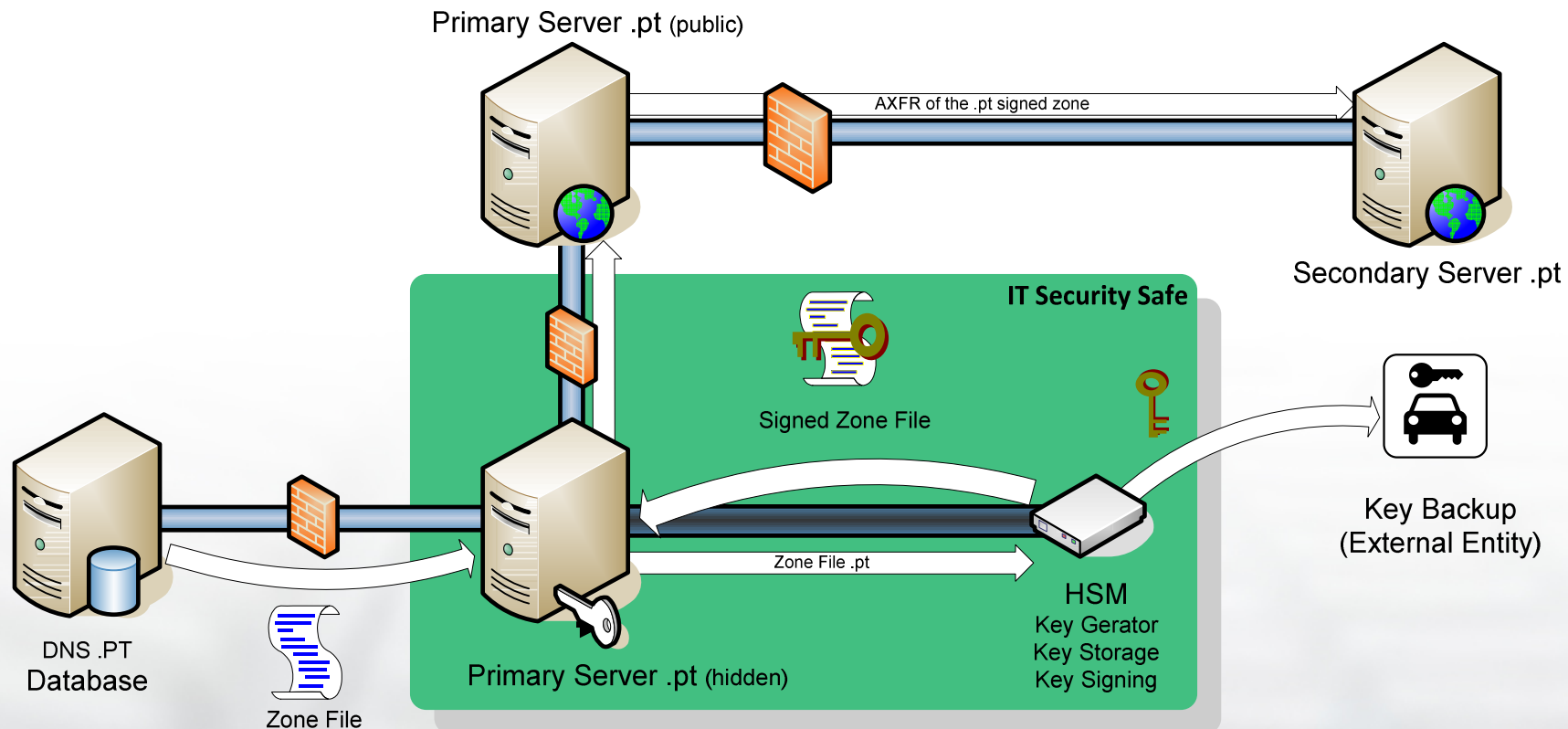
- Mission
- National Strategy
- Action Plan
- Initiatives
- Next Steps

- Our mission is to prepare the Portuguese Internet community for the DNSSEC usage and for future innovation

- Promote implementation
- Facilitating the DNSSEC usage
- Providing deployment documentation, including Portuguese version
- Share knowledge and experience and learn from others TLDs experience
- Best practice with regard to security and data protection

- DNSSEC - Policy and Procedures Declaration
  - Available also in english on [www.dnssec.pt](http://www.dnssec.pt)
- Acquiring a high secure infrastructure
- Testbed under dnssec.pt
- Initiatives
- Main focus to .pt Registrars
- Publishing press releases about DNSSEC
- Signing .pt

- The purpose of this document is to serve as a reference in calculating the level of confidence which the DNSSEC project of the .pt confers to the various intervening entities in the described processes
- Participants and their respective areas of responsibility
- Procedures and operational schemes, regarding the implementation of DNSSEC by the .pt
- Management and storage of .pt zone keys
- Confidentiality, availability, trust and integrity



- dnssec.pt
- Signed domain (with NSEC3 opt out)
- Configured on ISC DLV
- Free registration under *dnssec.pt* for testing proposes
- Requests at [dev@dnssec.pt](mailto:dev@dnssec.pt)
- More information available on:  
<http://www.dnssec.pt>

- Zones we already signed:
  - dnssec.pt, fccn.pt, cert.pt, zappiens.pt, rcts.pt
- DNSSEC .pt Surveys
  - First survey was directed to .pt Registrars
- Promoting Workshops
  - DNSSEC Workshop (28<sup>th</sup> ICANN Meeting in Lisbon 2007)
  - Disclosure Session of DNSSEC (10<sup>th</sup> December 2008 with participation of Frederico Neves - Director of Services and Technology Registry .br, João Damas - Senior Program Manager at ISC and .pt Registrars)
  - Public Information Session: EPP and DNSSEC in .pt (8<sup>th</sup> July 2009)
- Enforce the bank, judicial and government entities

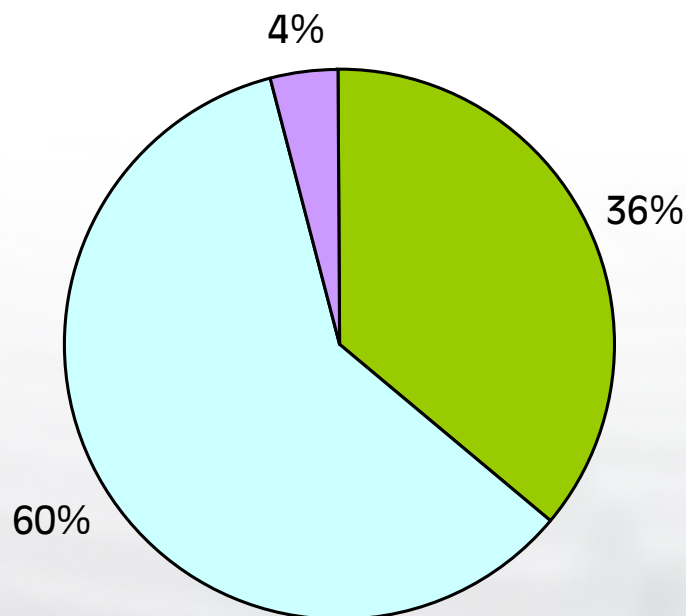
- 25% of the Registrars reply:

*Do you consider the DNSSEC development on .pt a benefit to the service?*

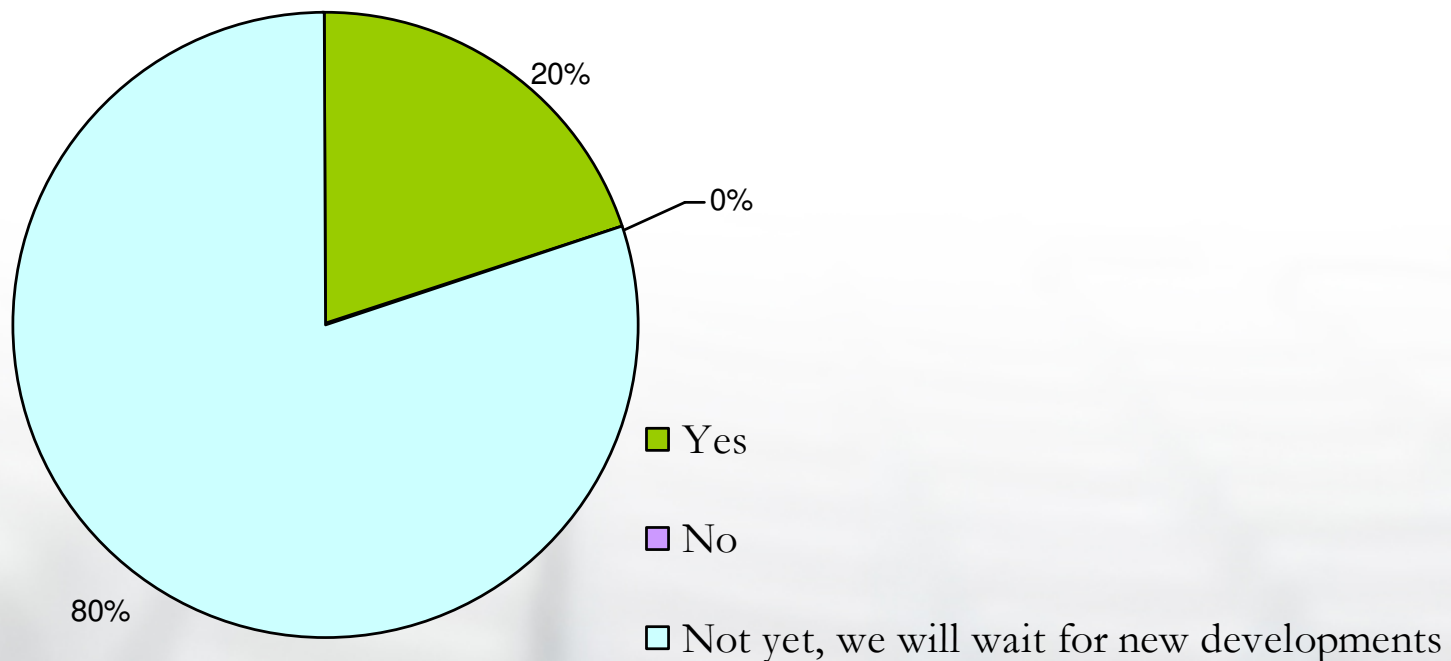
■ Yes

□ I don't know, but I would like to have more information about it

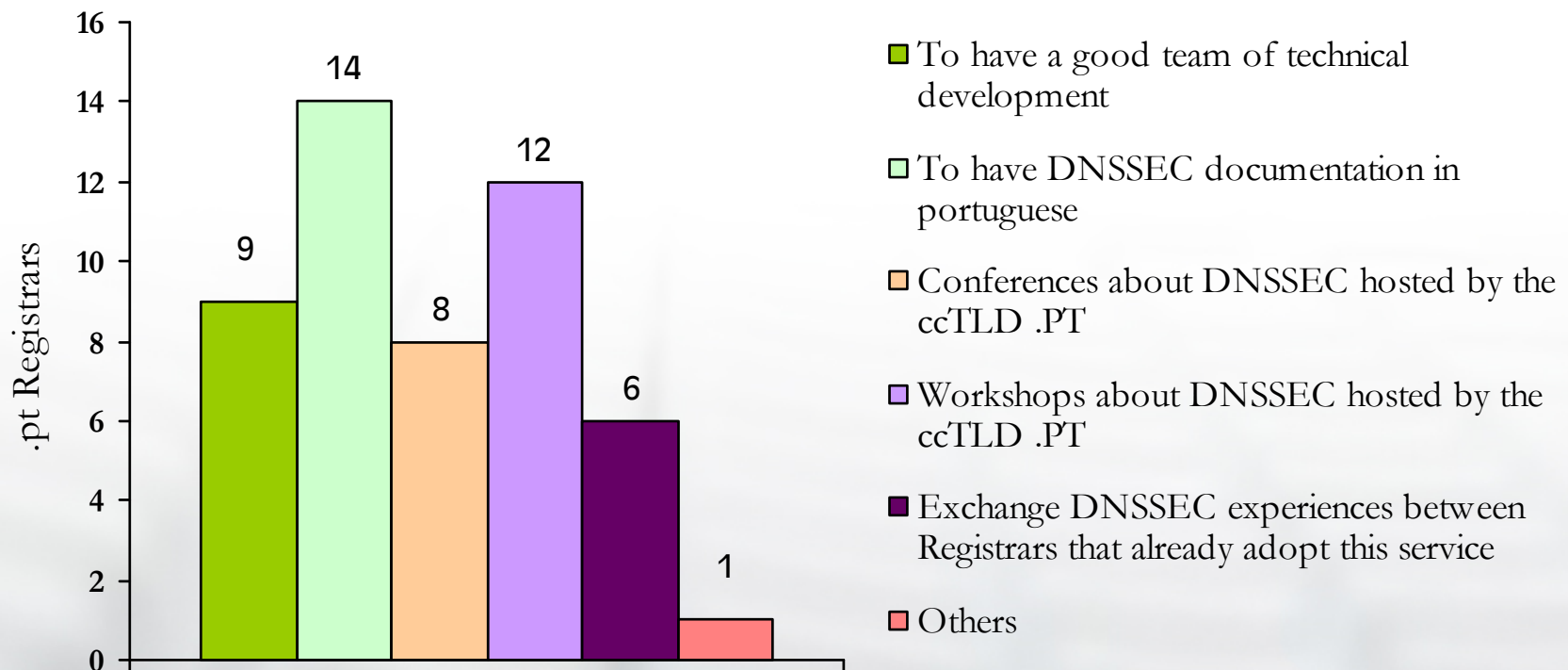
■ No



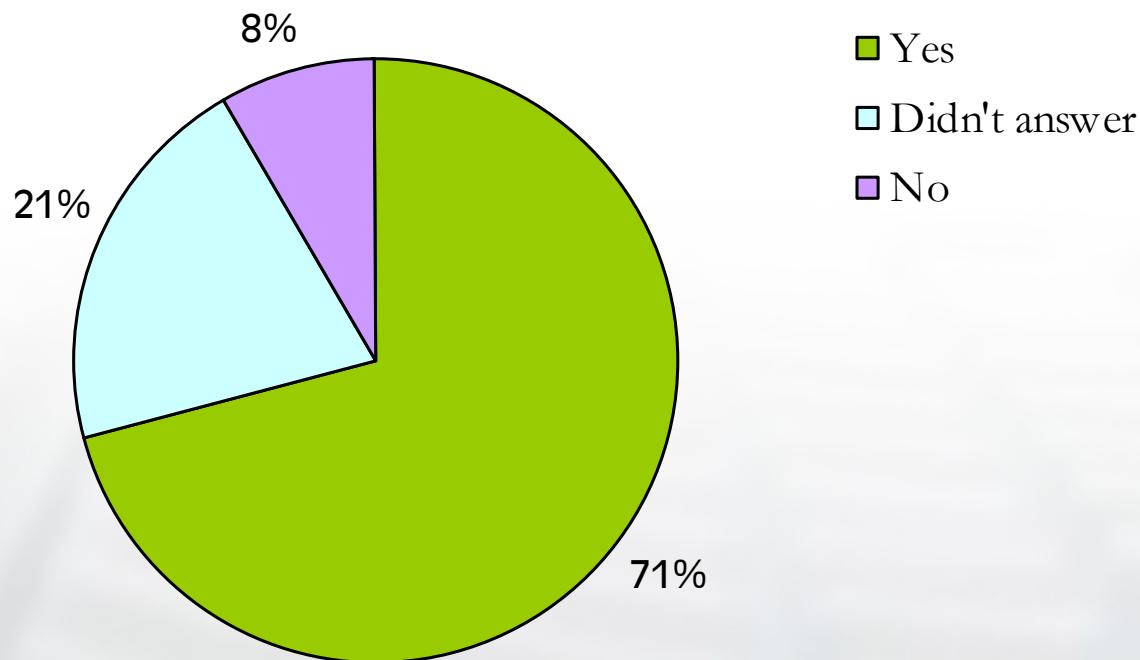
*Is your Registrar interested to adopt this service?*



*What do you consider essential to your Registrar to be able to adopt this service?*



*Do you agree that .PT should develop DNSSEC?*



- High security, high stability and high performance infrastructure model
- Signing .pt
- Provide web interface
- Automating the update of RRs (Dynamic Updates)
- Integration with EPP

Thank you for your attention



<http://www.dnssec.pt>

[dev@dnssec.pt](mailto:dev@dnssec.pt) | [info@dnssec.pt](mailto:info@dnssec.pt)