



NIC Senegal presentation

ICANN 42
ccNSO technical workshop

Dakar, october 23 – 28 2011



NIC Senegal Registry

- Registry of .SN
- Managed by University Cheikh Anta DIOP de Dakar (UCAD)
- About 2 500 domains names registred
- Working with 10 registrars



NIC Senegal Registry

Second-level domains already active: 150

- univ.sn (free)
- gouv.sn (free) délégué à l'ADIE (Agence de l'Informatique de l'Etat)
- edu.sn
- com.sn
- org.sn
- art.sn

Second-level domains coming :

- perso.sn
- mobi.sn

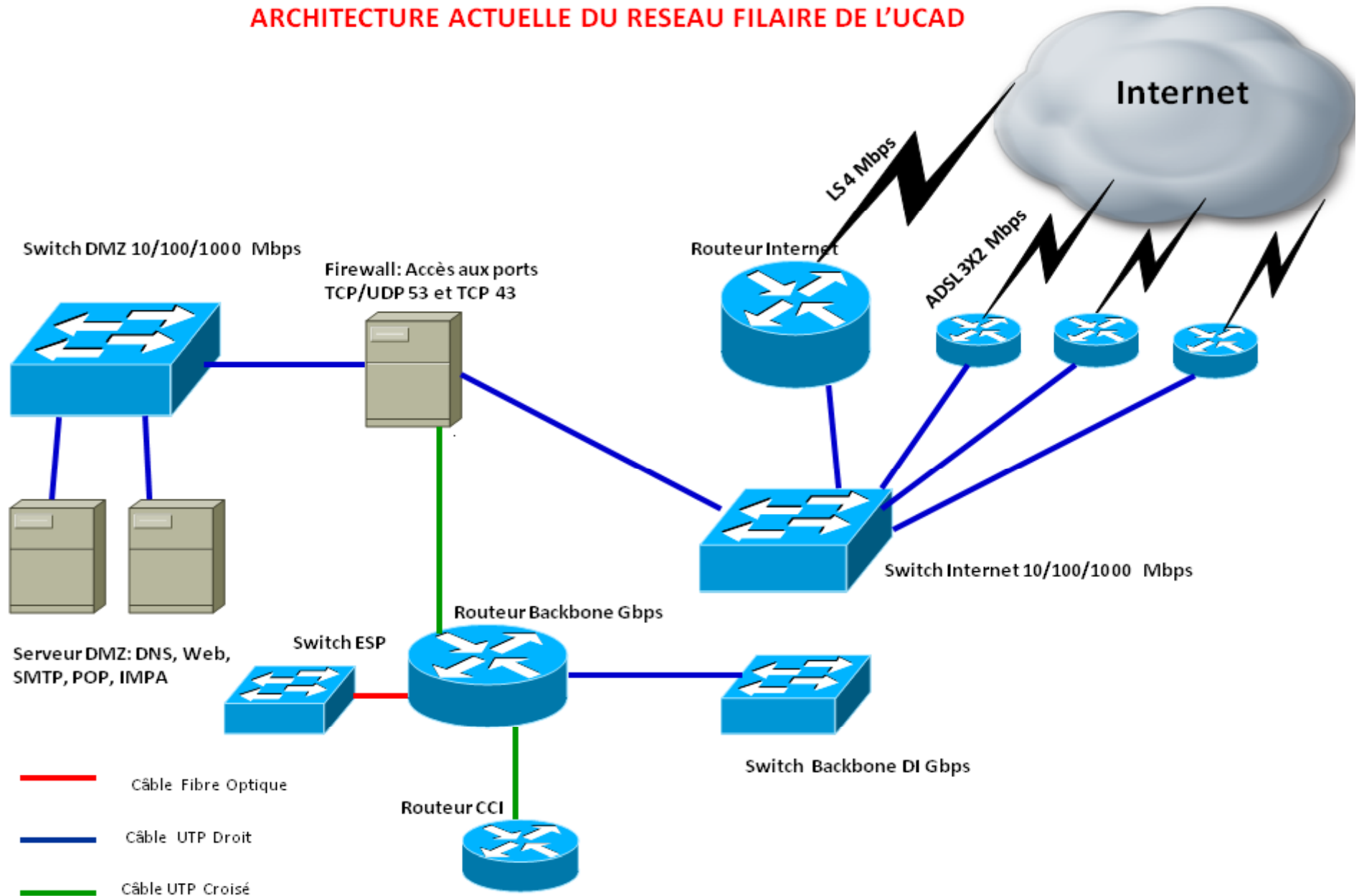


Current administration

- 4 technical and administrative managers reported to ICANN:
Boubakar Barry, Alex Corenthin, Mouhamed Tidiane Seck et
Alioune Thioune
- Administrative Assistant (1)
- Engineering support (3)
Administrative support (2)



ARCHITECTURE ACTUELLE DU RESEAU FILAIRE DE L'UCAD



DNS System

- BIND 9
- Fedora Core



Monitoring tools

- Nagios
- NTOP avec Netflow
- Smokeping
- Munin





DNS Resilience

NIC Senegal have 5 secondaries:

- Nameserver: ns.ucad.sn. IP Address: 196.1.95.1
2001:4278:1000:1::53
- Nameserver: ns1.ird.fr. IP Address: 193.50.53.3
- Nameserver: ns.ripe.net. IP Address: 193.0.0.193
notification from RIPE NCC
193.0.0.198
2001:67c:2e8:5:53::6
- Nameserver: ns.sentoo.sn. IP Address: 213.154.64.13
- Nameserver: ns3.nic.fr. IP Address: 192.134.0.49

Nic Senegal is secondary :

- Mali .ml
- Guinée Equatoriale .gq



MISSIONS

Orientations stratégiques

Charte de nommage
Politique tarifaire

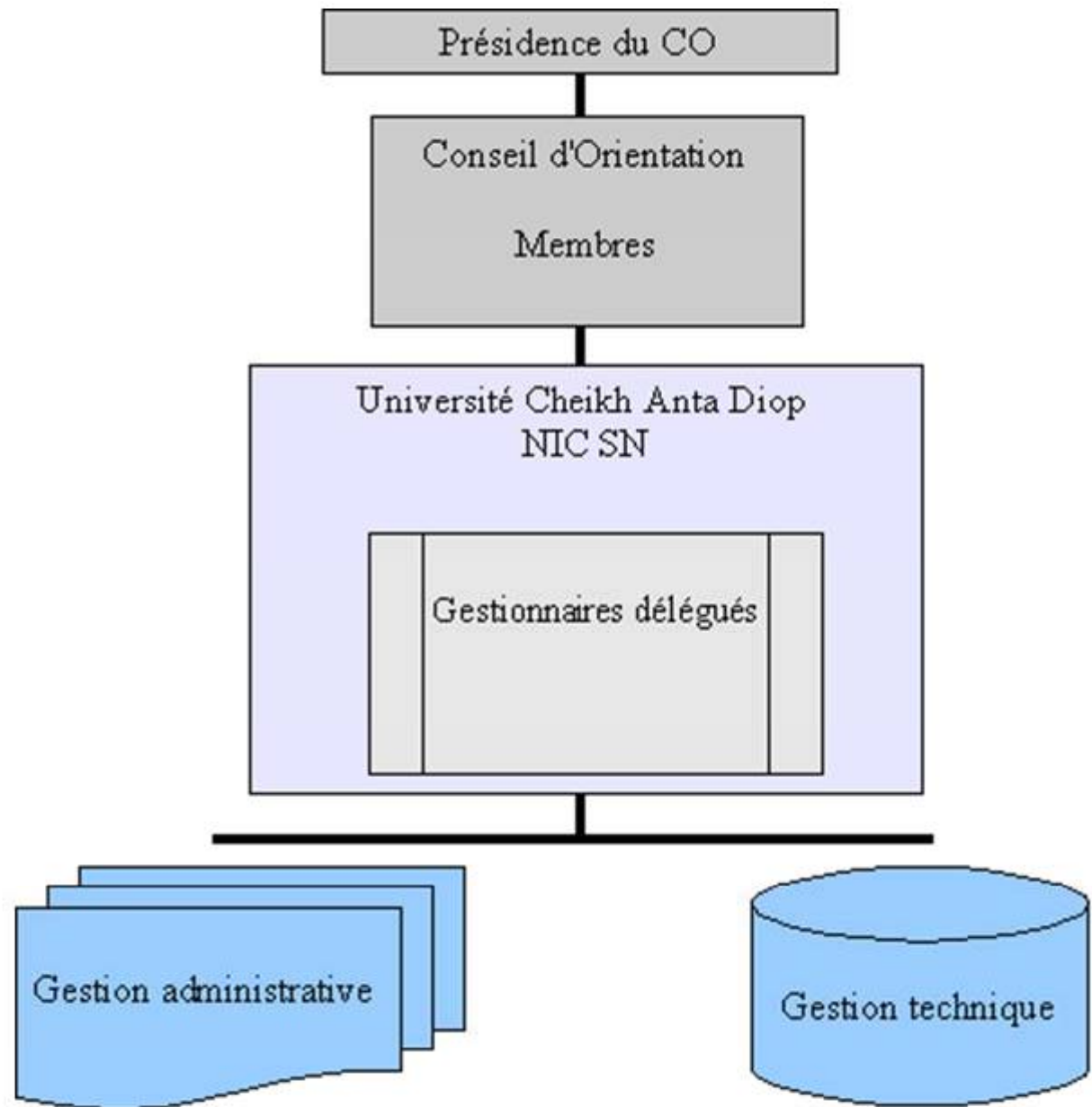
Tutelle administrative

Gestion du Domaine

Application de la Charte
Contrôle exécutif

Fonctionnel

Gestion du Serveur maitre .sn
Relation avec les prestataires,
recouvrement





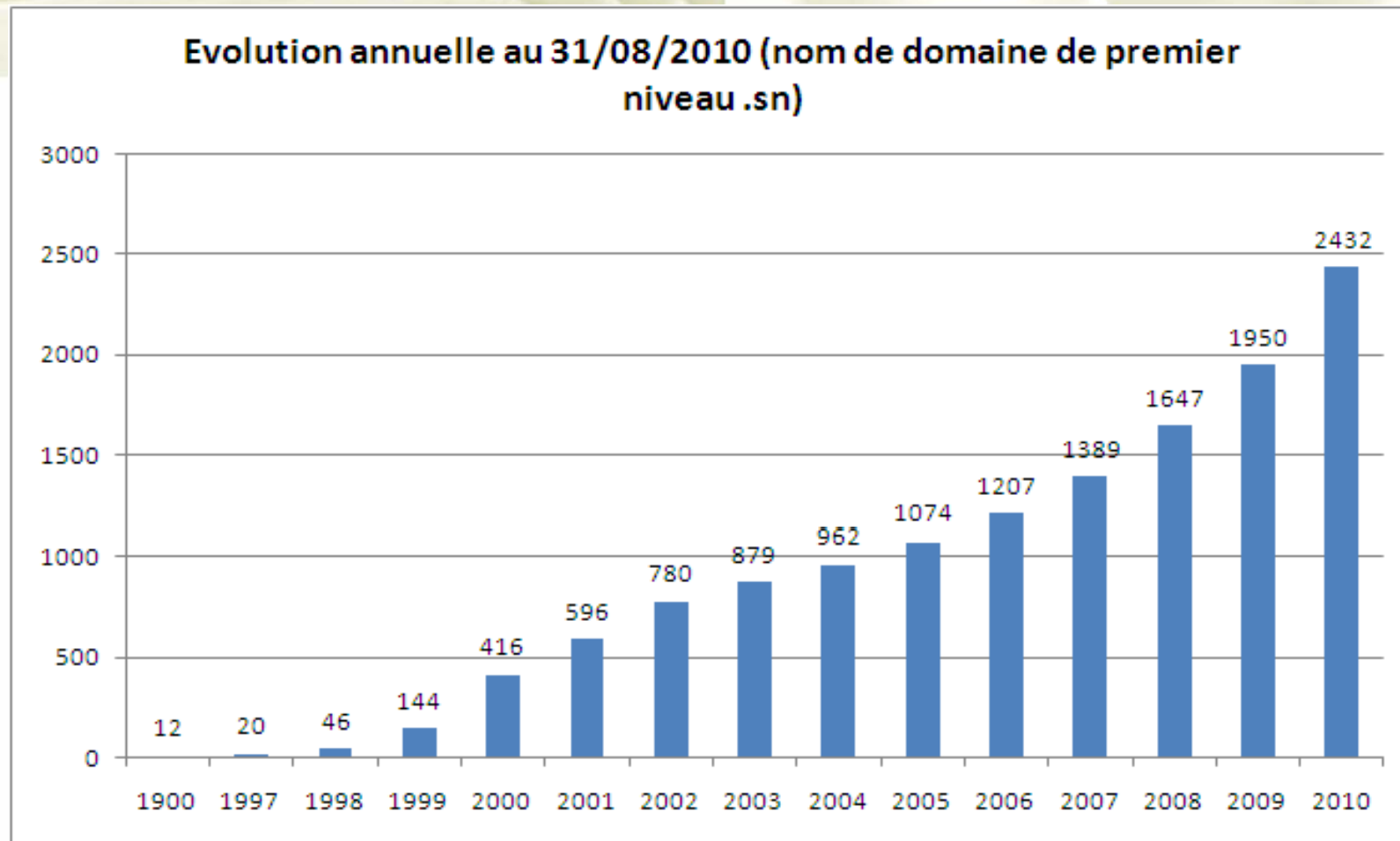
Towards a collaborative management of the DNS

To be in harmony with the text and the ECOWAS policy for ICT

- **Discussion with all stakeholders in the new code of telecommunication to establish a new management of the DNS with 3 entities :**
 - National commission chaired by the Department of ICT
 - Management committee chaired by the regulator ARTP
 - Nic Senegal

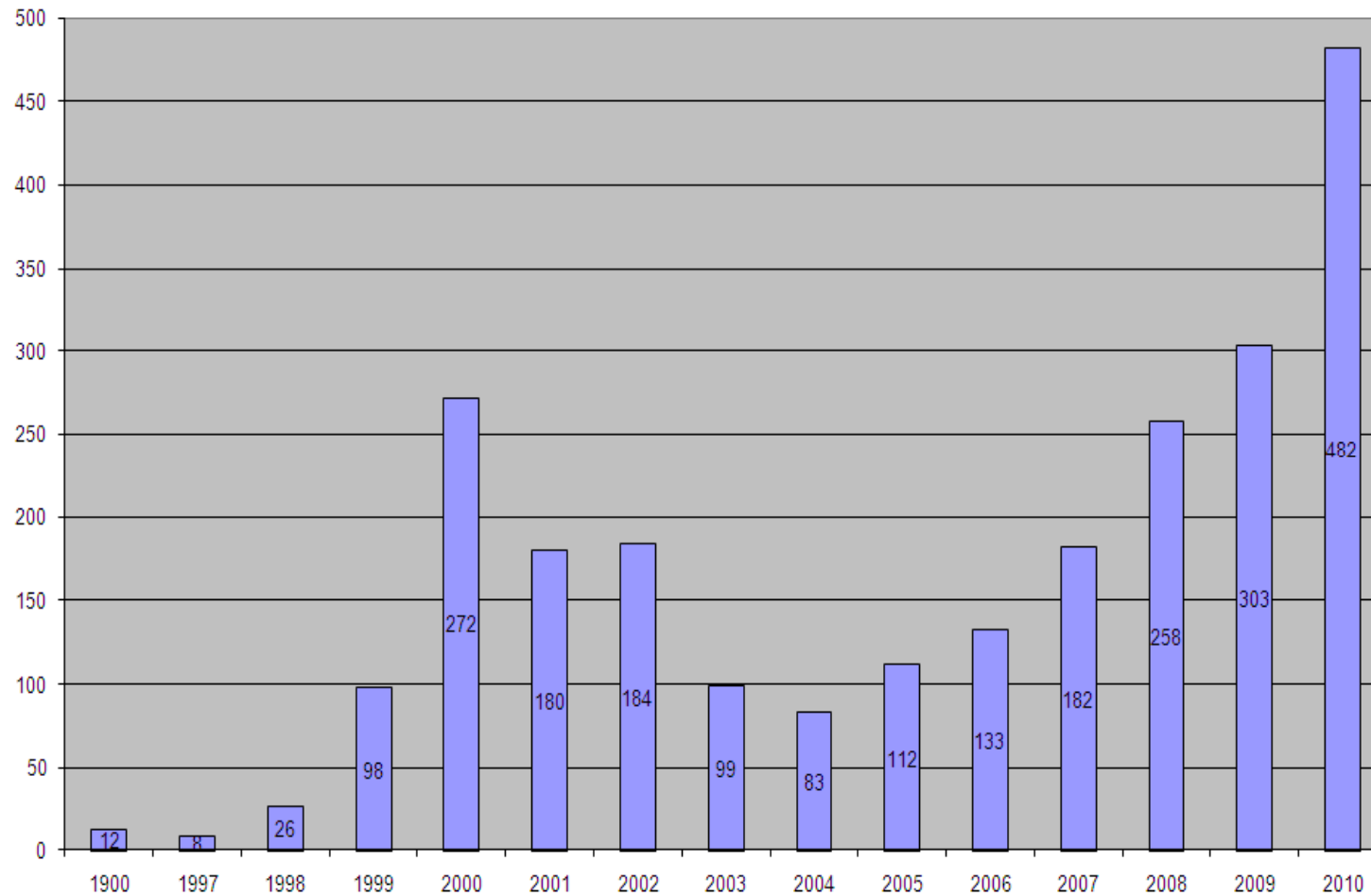


Evolution of domain names

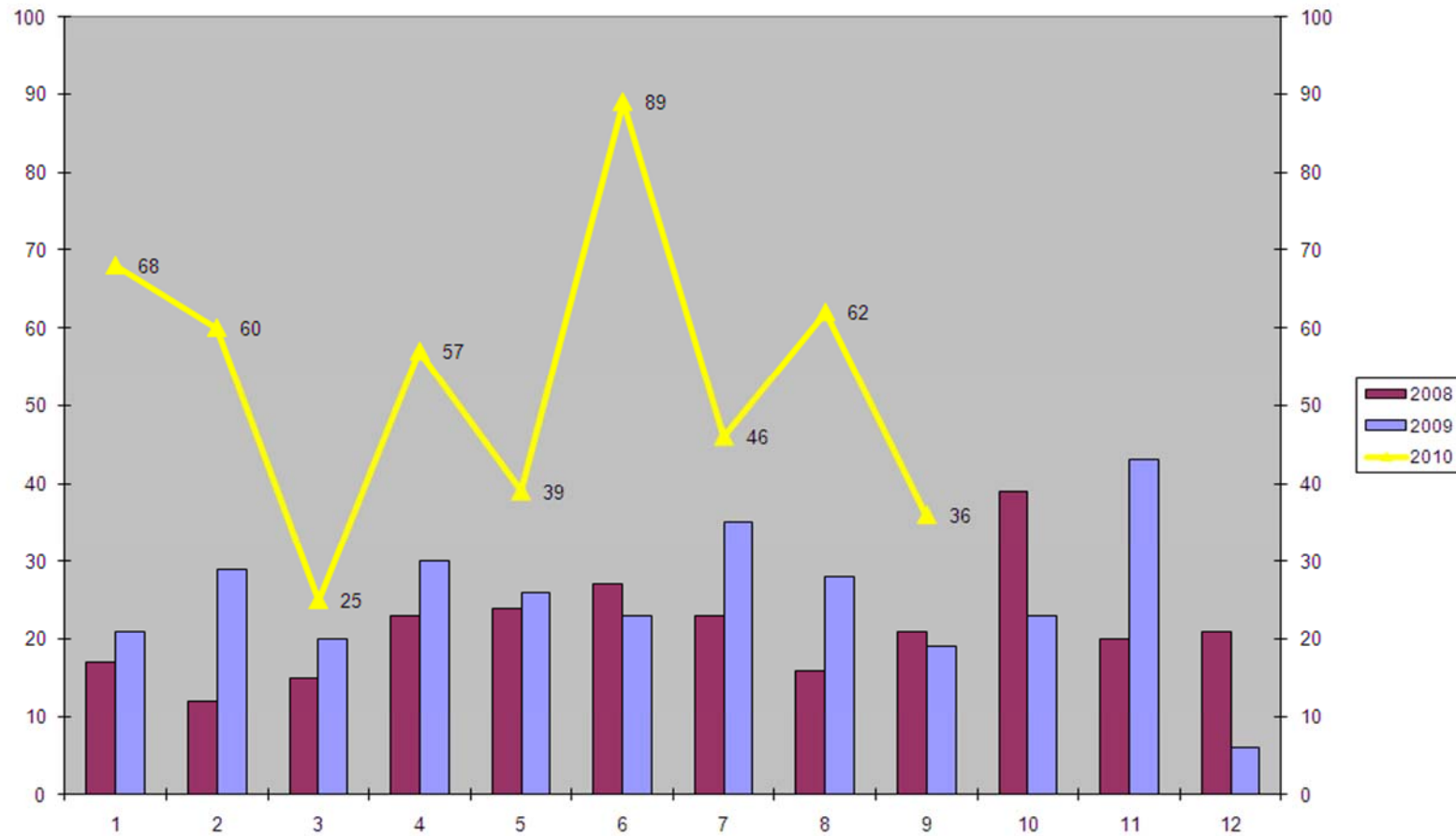


Annuel registration

Enregistrements annuelles des noms de domaine au 31/08/2010 (premier niveau .sn)



Monthly evolution (2008-2010)



Elements in naming policy

- Several evolutions
- Equal treatment taking into account the laws and regulations in force in senegal
- Acceptance of the named policy
- Principle of responsibility:



How to be Registrars

- Be incorporated in Senegal or recognized by ICANN
- Have at least two DNS servers
- Having a portfolio of 50 domain names per year
- Provide an administrative contact and technical contact to NICSN of any applicant for a domain name.
(physical address, electronic address, phone number, etc)
- List of registrars maintained and published on NIC Senegal website. <http://www.nic.sn>



The way forward

- Deploy DNSSEC test bed at the end of 2011
- Test DNS with IPV6 OK with recovery project at UCAD
- Setting a WHOIS server.
 - Publishing administrative informations in domain names (whois.nic.sn)
- Software Development for the administrative and the technical management of the DNS: GENODOM
- IXP, Root-server, IPV6, Anycast



CONCLUSION

- With the new organizational structure for management of the .SN, open to all Internet community (régulator, universities, operators, users, registrars, ...)
- Stable business model





Thank you

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www.nic.sn

