



## ITU Workshop on “Cloud Computing”

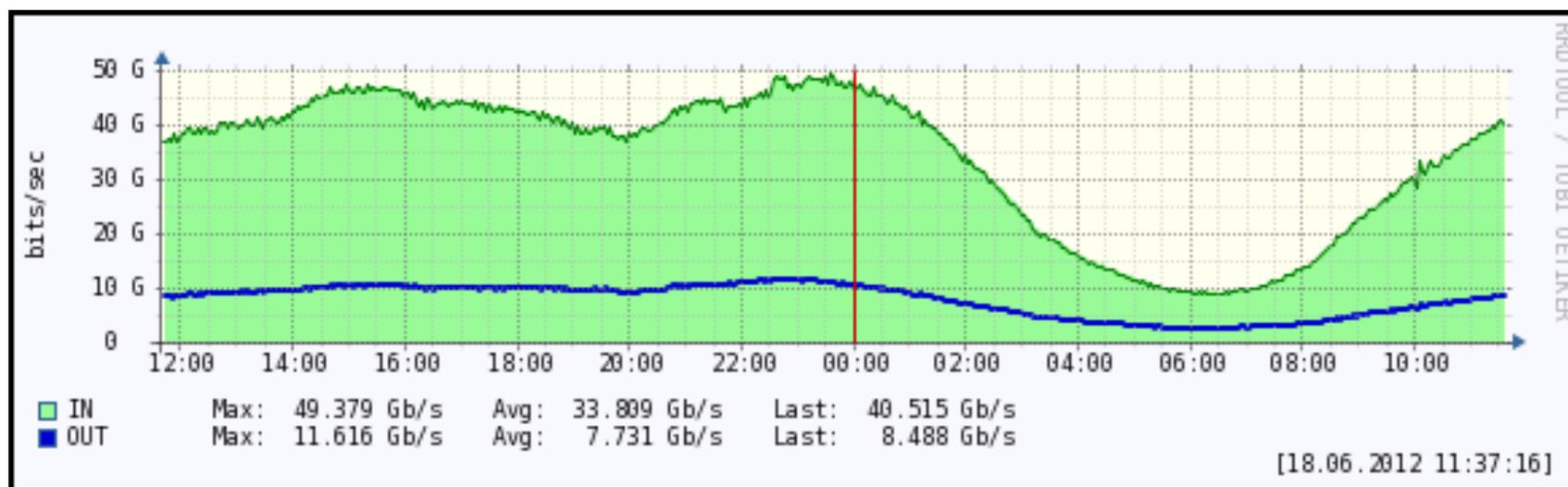


# *Regulatory Issues for the Development of Cloud Computing in Tunisia*

Tunis, Tunisia, 18 – 19 June 2012

## Internet in Tunisia

- ▶ International bandwidth Capacity: **65.5 Gbps**.
- ▶ Maximum Bandwidth used: **50 Gbps**.
- ▶ Ingoing international traffic is increasing yearly by **35%** but it's still almost **5 times less** than the Outgoing one.
- ▶ Local traffic is increasing but it's just **6%** of the international one.



## Before the revolution #14Jan

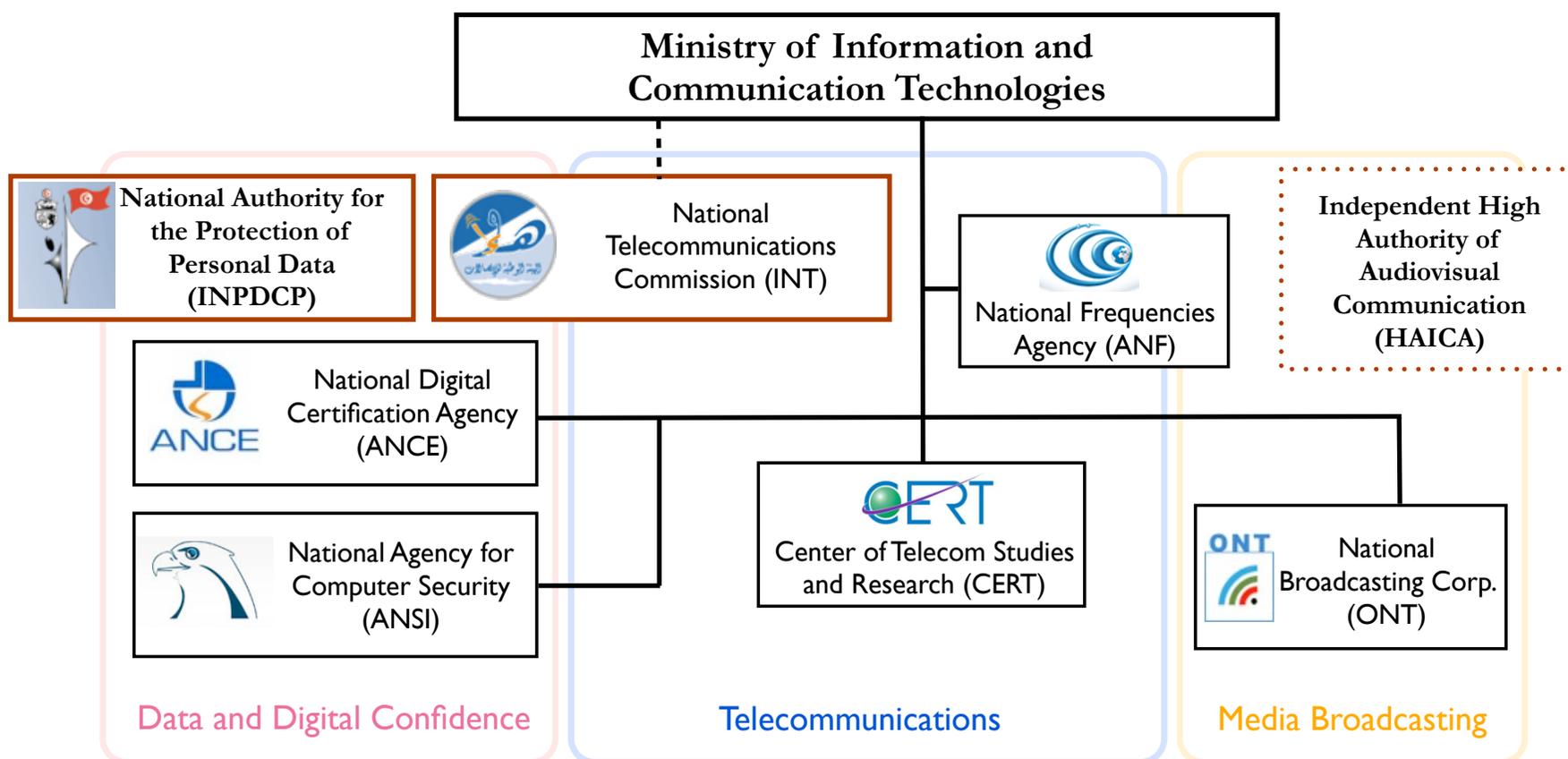
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*“No opportunities for Cloud Computing Development in Tunisia!”*

- ▶ **Regulatory framework:** completely obsolete for Internet.
- ▶ **Governance:** inadequate mono-stakeholder model centralized on ATI – *Unique Internet Model with a lot of barriers,*
- ▶ **Competition:** weak and requires urgent actions especially regarding the wholesale market,
- ▶ **Broadband infrastructure:** Relatively good compared to our neighbors especially international connectivity,
- ▶ **Services and contents:** poor hosting capabilities, lack of innovation, severe control by the Ben Ali regime, etc.
- ▶ **Freedom:** Inappropriate censorship “Ammar404”,
- ▶ **Privacy:** In practice not guaranteed for Internet users.

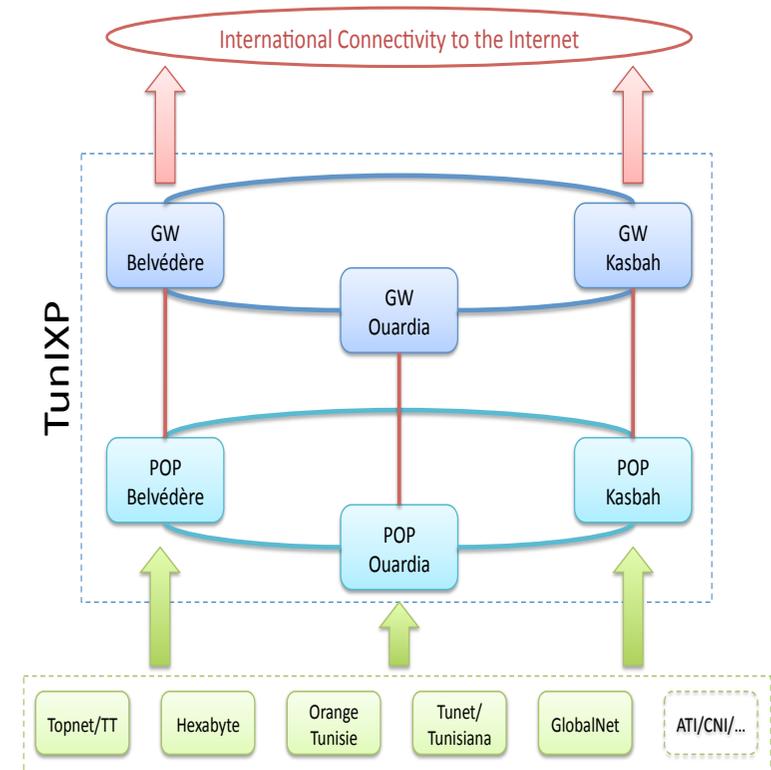
# Actual policy and regulation model #Complex

“A new model is required involving a convergent & independent regulator”



# Transforming the ATI: #TunIXP

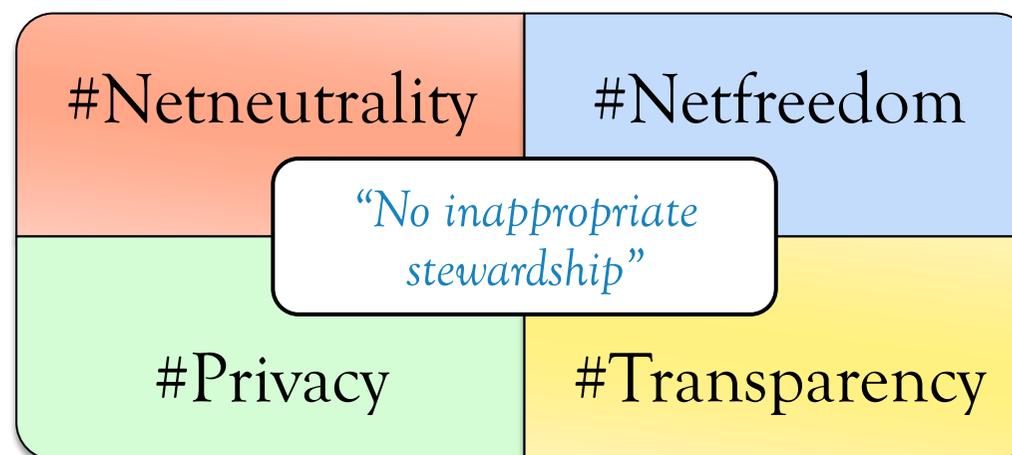
- ▶ *ATI, not a regulator for Internet,*
- ▶ *Towards a transparent IXP:*
  - ▶ *Connect to ATI not as a regulatory obligation for security reasons,*
  - ▶ *Guarantee an open access to a shared platform for IP transit and interconnection,*
  - ▶ *Wholesale IP service provision based on a cost oriented model.*
- ▶ *Fostering partnerships with Internet intermediaries, especially Tunisian innovative SMEs, as a IaaS provider.*
- ▶ *An opportunity for nascent Data Centers to access to Internet.*



## Regulatory fundamental #principles

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*“It’s a also a matter of trust, and respect to human rights”*



- ▶ A new approach is required: *“Smart” Internet Regulation* model based on an *inclusive, transparent and open* multi-stakeholder process.
- ▶ Supporting a *Global Internet Regulation* model won’t be a solution but could be a threat to freedom of expression and privacy.



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*“By leading in ICTs, which are essential to any competitive economy, Tunisia can continue to be a leader in the region!”*

Eileen Murray, World Bank Country Manager for Tunisia  
Toronto, 19 March 2012

Ph.D Moez Chakchouk,  
Chairman & CEO

Email: [moez.chakchouk@ati.tn](mailto:moez.chakchouk@ati.tn)  
Twitter: [@mchakchouk](https://twitter.com/mchakchouk)



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