

# Virtual School of Internet Governance Series



VSIG

## Overview

Presentation by  
Glenn McKnight  
Alfredo Calderon



Creative Commons Attribution  
4.0 International license

## *Overview*

The Internet Governance series provides insights into the inner workings of Internet Governance from multiple perspectives.

This section focuses an overview on what is the core concepts of Internet Governance



VSIG

## *Acknowledgement*

The Internet Governance series would like to thank the various sponsors for their support plus all the individuals and organizations that provided their time and expertise to the video clips in the production



VSIG

## *Approach*

The Internet Governance series provides an opportunity for anyone interested in the topic to pick their specific interest and dive deeper into the content. We provide in this series the various pillars/core issues which includes technical, economic, political, legal and social/cultural elements.



VSIG

# What is Internet Governance

***“ Internet Governance is the development and application by government, private sector, and civil society, in their respective roles of shared principles, norms decision making procedures and programmes that shape the evolution and use of the internet “***

***WSIS 2004***



**VSIG**

# Who are the Actors

## Internet Ecosystem

Academics- Universities

Civil Society-APC, think tanks

End Users- public, consumers

ICANN and ISOC

International Orgs. ITU, WSIC, WCIT,

Government

Private Sector

Technical. IETF, ARIN etc



VSIG

# Key Categories

- Technical
- Infrastructure
- Social/Cultural
- Legal
- Economic
- Development



VSIG

# Technical

The technical and Infrastructure is the responsibility of the **Internet Engineering Task Force** and the **World Wide Web Consortium**.

These techno volunteers define the protocols and standards

A full set of videos in IETF Youtube channel

<https://www.youtube.com/user/ietf>

Technology standards  
IETF history

CSCI E 45a: The Cyber World – part A

0:02 / 15:56 about the history of the IETF.





# Social Cultural

- Connecting the Next Billion
- Digital Divide
- Human Rights
- Indigenous Communities, Refugees
- People with Special Needs
- Child Safety
- Women and Technology



VSIG

# Infrastructure

- Internet Corporation for Assigned Names and Numbers (ICANN) helps coordinate and support these unique identifiers across the world.
- ICANN was formed in 1998 as a not-for-profit public-benefit corporation and a community with participants from all over the world. ICANN and its community help keep the Internet secure, stable and interoperable.
- A separate section is dedicated to the ICANN Ecosystem



**RIRS**  
(REGIONAL INTERNET REGISTRIES)

**AFRINIC**  
(AFRICA)

**RIPE**  
(EUROPE, CENTRAL ASIA, MIDDLE EAST)

**LACNIC**  
(LATIN AMERICA + CARIBBEAN)

**ARIN**  
(NORTH AMERICA)

**APNIC**  
(ASIA-PACIFIC, AUSTRALIA)

**IP ADDRESS BLOCK ALLOCATION**

**PROTOCOL PARAMETERS**

**ISOC**  
(THE INTERNET SOCIETY)

**IETF**  
(INTERNET ENGINEERING TASK FORCE)

**IANA**  
(INTERNET ASSIGNED NUMBERS AUTHORITY)

**DNS ROOT ZONE**

**ICANN**  
(INTERNET CORPORATION FOR THE ASSIGNMENT OF NAMES & NUMBERS)

**NTIA**  
(NATIONAL TELECOMMUNICATIONS INFORMATION ADMINISTRATION)

**VERISIGN**  
(FORMERLY NETWORK SOLUTIONS)

**ROOT SERVER OPERATORS:**  
VERISIGN (2)  
ISI (usc)  
COGENT COMMS.  
U OF MARYLAND

NETNOD  
RIPE  
ICANN  
WIDE PROJECT

NASA AMES  
INTERNET SYSTEMS CONSORTIUM  
US DoD NIC  
ARMY RESEARCH LAB

# Infrastructure

In 2015, NTIA started the process devolution which will culminate with US Congress passing the resolution in September 2016

Learn more about the IANA transition

[https://youtu.be/XgK6LSD5W\\_0](https://youtu.be/XgK6LSD5W_0)

Not everyone is happy with this deployment- AKA Ted Cruz

Read more

<http://fusion.net/story/343533/who-controls-the-internet/>



VSIG

# Economic

- Economic Engine
- Network Neutrality
- Internet and E Friction
- Cybersecurity
- Big Data
- Securing our Traffic



VSIG

# Legal

- Every aspect of the IG has a legal component including
  - Big Data
  - Cybercrime
  - Intellectual Property Rights (IP)
  - Privacy/WHOIS
  - Internet Packets



VSIG

# IG Series Playlist

IG Slideshows

[www.virtualsig.org](http://www.virtualsig.org)

<https://www.facebook.com/virtualsig/>



**VSIG**