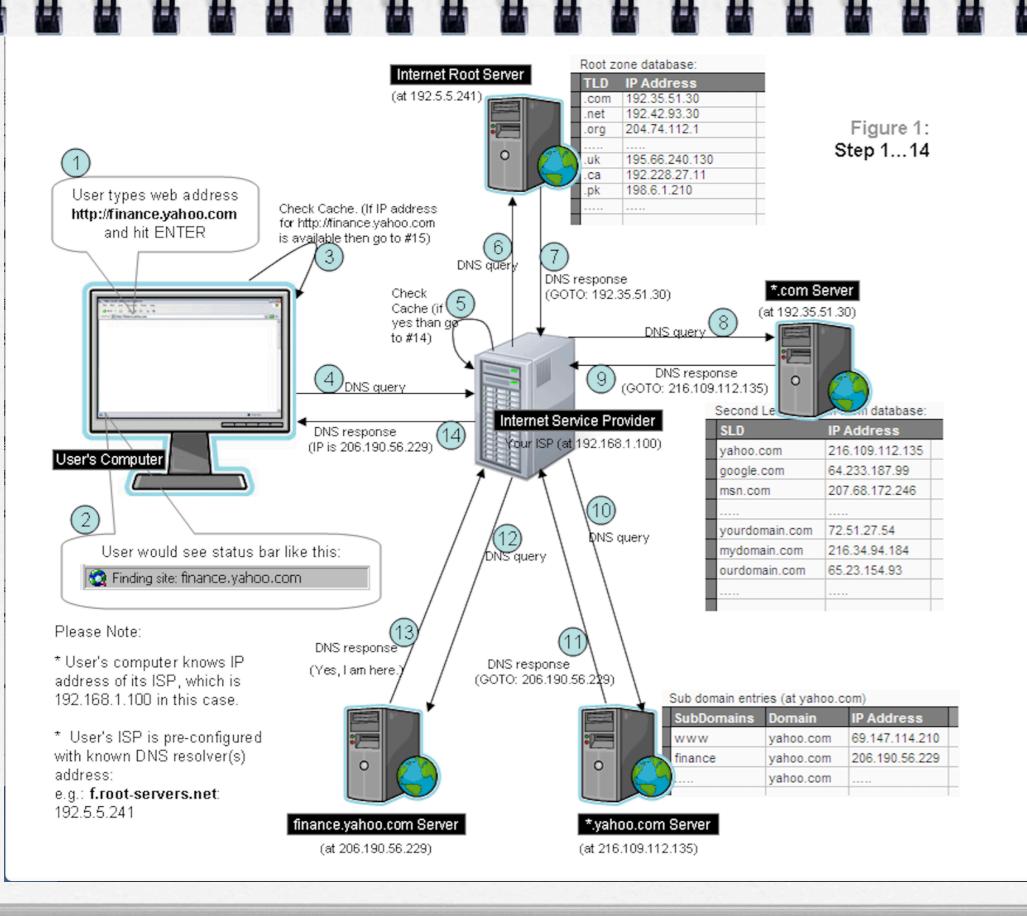
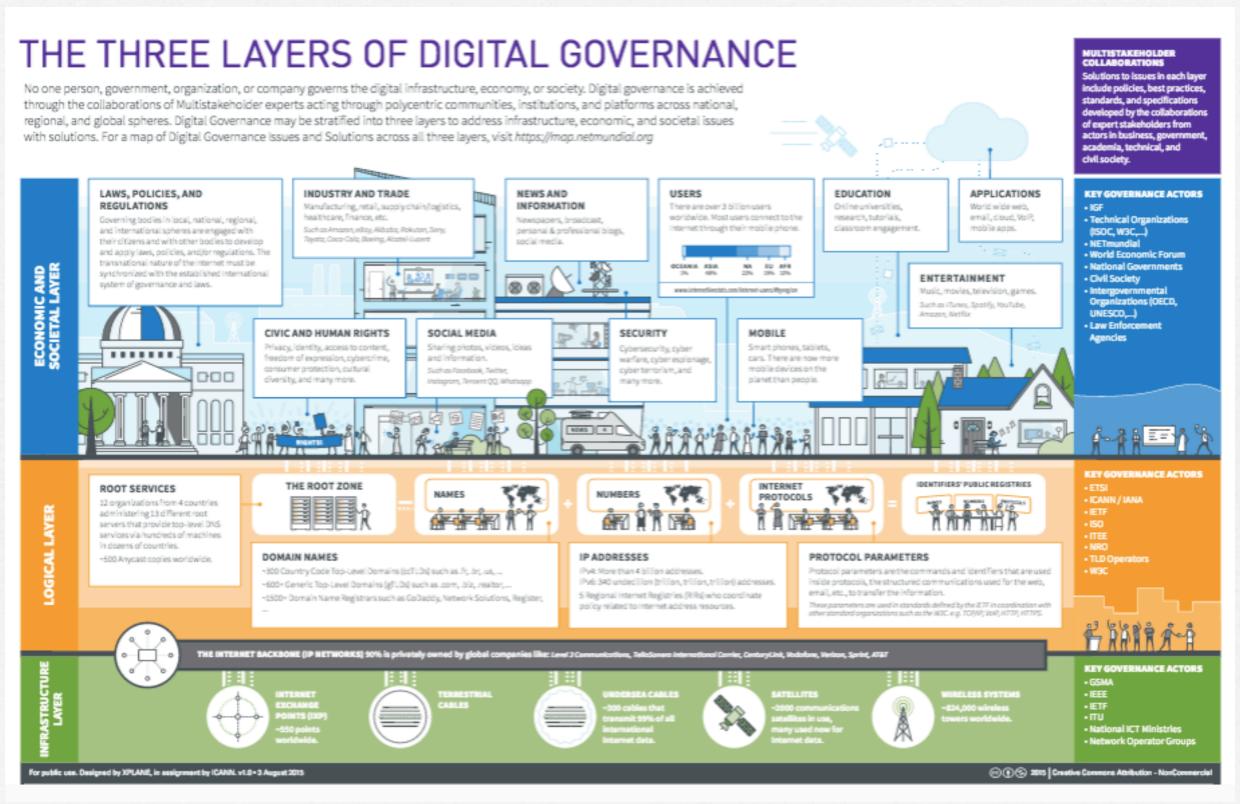


吳國維 ICANN董事/APNIC理事/PIR董事



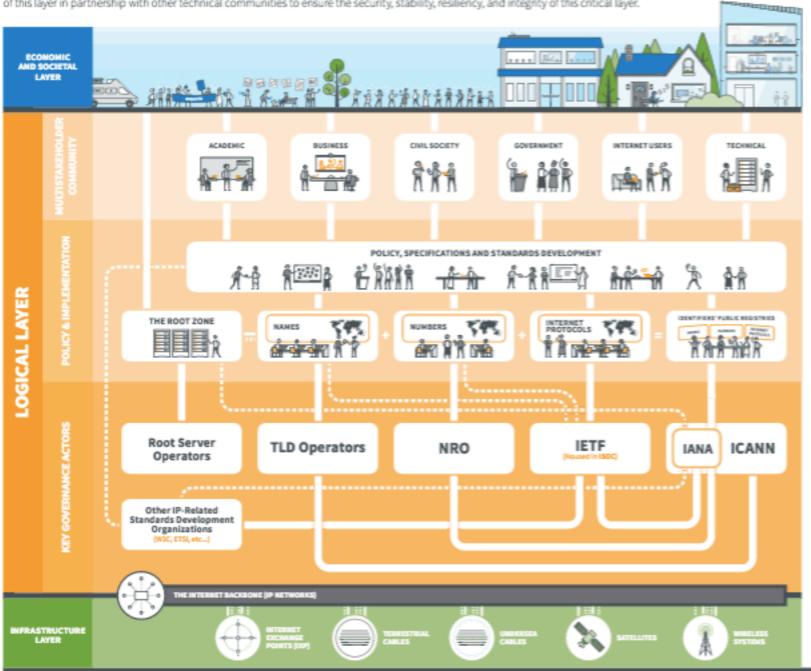
- Formed in 1998, ICANN is a not-for-profit corporation dedicated to keeping the Internet secure, stable and interoperable
- ICANN coordinates:
  - Allocation and assignment of three sets of unique identifiers of the Internet: domain names, IP addresses, and protocol parameters
  - Operation and evolution of the DNS root name server system
  - Policy development reasonably and appropriately related to these technical functions



#### THE LOGICAL LAYER OF DIGITAL GOVERNANCE

For public use. Designed by XPLANE, in essignment by ICANIN. v1.0 = 3 August 2015

Layered on top of the Physical Infrastructure's thousands of networks and satellites, the Internet's Logical Infrastructure is what delivers One Internet for the world through Unique Identifiers (Names, Numbers, and Protocol Parameters). ICANN coordinates the administration of this layer in partnership with other technical communities to ensure the security, stability, resiliency, and integrity of this critical layer.



#### TECHNICAL OPERATIONS

The technical operating community is made up of multiple independent actors bound by common principles and mutual commitments that ensure the security and stability of the internet infrastructure. Each actor's community develops policies and standards in an open, inclusive, and consensus-based approach.

#### KEY GOVERNANCE ACTORS

#### ICANN Internet Corporation for Assigned Names and Numbers

Helps coordinate the Internet's systems of unique identifiers including domain names and Pladdresses, as well as manages the IETP's protocol parameter negistries.

IANA, the internet Assigned Numbers Authority, is a set of functions housed and operated within CANN. It acts as the top-level allocator for blocks of IP addresses and AS numbers, proposes creation of and changes to DNS top-level domains, and manages lists of unique identifiers used in Internet protocols.

\*\*New York Order\*\*: The Protocols of t

#### IETF Internet Engineering Task Force

Develops and promotes a wide range of Internet standards dealing in particular with standards of the Internet protocol suite. Their technical documents influence the way people design, use, and manage the Internet. The IETF operates under the Internet Society (ISOC) with architectural oversight provided by the Internet Architecture Board (IAS). www.ietf.org

#### ISO International Organization for Standardization

Standardizes, among many other things, the official names and postal codes of countries, dependent territories, special areas of grographic significance. www.bb.org

#### NRO Number Resource Organization

Accordinating body for the five Regional internet Registries (RRs). The RRs manage the distribution of IP addresses and Autonomous System Numbers in their regions of the world.

www.nro.net AFRINC www.afrinic.net APNIC www.apnic.net ARN www.arin.net

LACNIC www.lpcnic.net RIPE NCC www.ripe.net

#### TLD Operators Top Level Domain Operators

Organizations which have been assigned the management of Top-Level Domains such as: Generic TLDs (com, adu, Info, name etc...), Country Code TLDs (Fr, us, gh, on etc...) and non-ASCI alphabet TLDs (in language such as Chinese, Korean, Arabic, Russian, French etc...) —among others.

#### Root Server Operators

12 independent organisations operate the 13 authoritative name servers (A through M) that serve the Domain Name System (DNS) root zone. The name servers are a network of hundreds of physical servers located in many countries around the world.

\*\*new/roof-servers.org\*\*

#### W30

The World Wide Web Consortium (W3C) is an international community where Member organizations, a full-time staff, and the public work together to develop Web standards. W3Cs mission is to lead the Web to itself upotential.

www.sd.org

MULTISTAKEHOLDER COMMUNITY

#### Academic

- Institutions of higher
- learning
   Academic thought
- Jeaders
  Professors & students

#### Business

- Private-sector companies from across industries.
- Industry and trade associations

#### Civil Society

- International organizations
- Non-governmental organizations
- Non-profit organizations
- Think Tanks

#### Government

- National governments
- Distinct economies recognized in international fora
- Multinational governmental and treaty organizations
- Intergovernmental organizations
- Public authorities (with a direct interest, in global internet Governance)

#### Internet Users

 Private citizens interested in regional or global internet Governance

#### Technical.

- Internet engineers
   Computer engineers
- Software developers
- Network operators

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## **USG** Involvement

1997/7	"Global Framework on E-Commerce" announced
1998/2	Green Paper
1998/6	White Paper
1998/9	Approve "NewCo"
1998/11	Hand-Over Beginning

By: Izumí Aízu: https://www.slideshare.net/izumía/internet-governance-and-development-140305

## Global trend - "Information Society"

1993	NII - Clinton/Gore
1994	GII - Gore proposed at ITU Development Conference
1995	G8 Information Society Summit
1996	MSC/Singapore One
1997~8	IFWP => ICANN Governance
1999	Y2K, dotCom boom
2000	G8 Okinawa Summit - "New Economy"
2003	WSIS Geneva
2004	WGIG
2005	WSIS Tunis
2006	IGF (Internet Governance Forum) started

By: Izumí Aízu: https://www.slideshare.net/izumía/internet-governance-and-development-140305

### Ira Magaziner Argues for Minimal Internet Regulation

By JOHN M. BRODERJUNE 30, 1997



NII - 1991



Ira Magaziner

... Magaziner in June 1997 released the Administration's "Framework for Electronic Commerce," which called for a hands off, market-driven approach to regulation of the global network. Magaziner's philosophy then and now is that while the Internet is growing rapidly, this growth could be stymied by excessive government intervention.

 By JERI CLAUSING, Nov. 6, 1998 (Technology/CyberTime)

Mr. Magaziner believes the Internet community should be allowed to flourish free of most Government interference. Industry self-regulation would take the place of the Federal nanny, he says.

- By John M. Broder, June 30, 1997 / The New York Times

# Working Group on Internet Governance (WGIG) – 2004-05

- Outcome of WSIS negotiation on IG
- 40 members, from South and North, governments, civil society and private sector
- Open and closed meetings
  - Sep 04, Nov 04, Feb, Apr, Jun & July 05
- Online consultations
  - Contributions, questionnaire and forum
  - Webcast and real-time captures

### What is "Internet Governance"?

- 1. Governance of Internet infrastructure
  - Domain Name System, IP number allocation
  - Standardization process (IETF vs. ITU etc.)
  - Access to close digital divide
- 2. Governance of Social activities over Internet
  - Illegal & harmful content (for minors)
  - Spam, cyber security
- 3. Governance of Information Society
  - E-commerce, digital economy
  - Digital culture
  - Social inclusion no one should be left behind

### Working Definition of Internet Governance:

"Internet governance is the development and application by Governments, the private sector and civil society, in their respective roles, of shared principles, norms, rules, decision-making procedures, and programmes that shape the evolution and use of the Internet."

from the WGIG Report

# UN/IGF from 2006~2017

2006	Athens, Greece
2007	Rio de Janeiro, Brazil
2008	Hyderabad, India
2009	Sham El Sheikh, Egypt
2010	Vilnius, Lithuania
2011	Nairobi, Kenya
2012	Baku, Azerbaijan
2013	Bali, Indonesia
2014	Istanbul, Turkey
2015	Joao Pessoa, Brazil
2016	Jalisco, Mexican
2017	Geneva, Switzerland

## **APrIGF from 2010~2017**

Hong Kong
Singapore
Tokyo
Seoul
Delhi
Масао
Taipei
Bangkok

# Conventional regulatory framework (at ITU)

- Governments to regulate; business and technologist participate and form international organization (ITU)
- Civil Society/individual users have no role
- Inter-national, but not Global

Governments
Int'l Orgs

Industry

Technologist

Civil Society



- Self-management led by technologists
- Engineers, pioneers form "private club" to manage
- Looks global, but lacks legal and political legitimacy
- Not scalable, little civil society involvement



By: Izumí Aízu: https://www.slideshare.net/izumía/internet-governance-and-development-140305

# New Model: Multi-stakeholder governance

- Net governance cannot exclude users
  - Not "consumers" or "mass", but Netizens who have power
- All stakeholders to get involved with proper balance
- Minimize government involvement, support participation from civil society and developing countries





### Multistakeholder Model

- Multilateral Model
  - multiple countries working in concert on a given issue
  - the practice of coordinating national policies in groups of three or more states
- Multistakeholder Model
  - an organizational framework or structure which adopts the multistakeholder process of governance or policy making, which aims to bring together the primary stakeholders such as businesses, civil society, governments, research institutions and non-government organizations to cooperate and participate in the dialogue, decision making and implementation of solutions to common problems or goals.
  - A stakeholder refers to an individual, group or organization that has a direct or indirect interest or stake in a particular organization

### One World, One Internet

