September 2020, Africa Chapters Workshop

The Internet Impact Assessment Toolkit

An introduction

Internet Society

Background

"The Internet is a Network of Networks"….. So what?

The Internet Way of Networking (IWN)

We know that the Internet is incredibly successful. The question is: "why?"

- What are the critical elements/properties of the Internet that led to its success and ensure its healthy evolution?

The Internet Way of Networking – what is it and why it matters

- The Internet owes its success not only to the technology, but to the unique way it operates and evolves. This is what we call the Internet Way of Networking (IWN). It is how independent networks connect to one another, interoperate and, all together, form the global Internet. When the IWN is under threat, so are the opportunities and benefit it offers. In a nutshell, the Internet cannot fulfil its full potential.

The IWN and a "Toolkit"

- Our community brings a critical perspective on the global Internet. Our goal is to identify necessary elements/properties that define the "Internet Way of Networking," explain the value that each brings, and discuss what happens when these critical elements are broken or missing.

Why?

Our mission: Internet to be open, globally-connected, secure, and trustworthy

- To be true champions of the Internet, we must understand the underlying properties that are critical to its foundation.

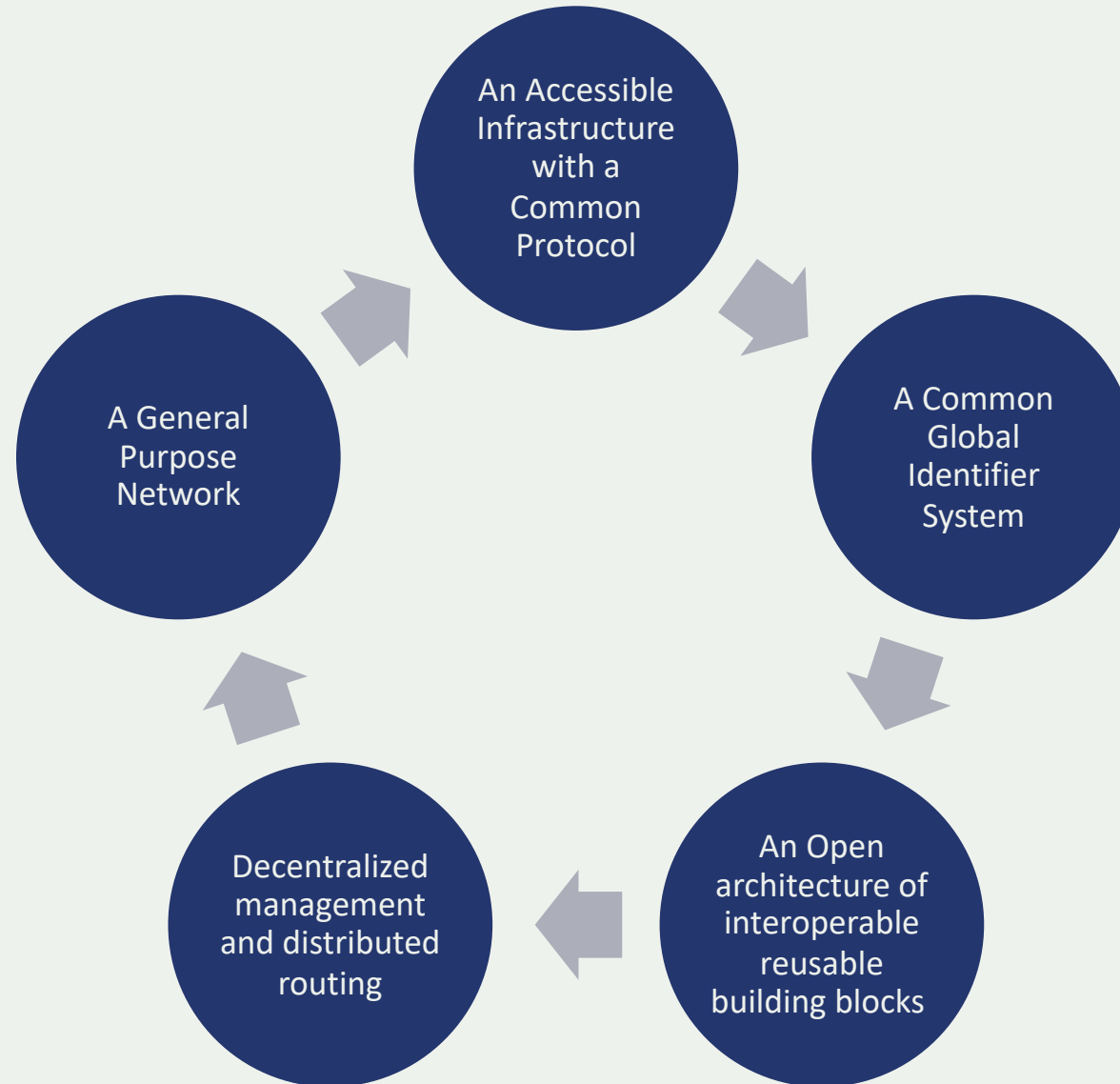Having a solid understanding of the Internet Way of Networking helps us:

- Analyse regulatory proposals or technological developments that could change the Internet, based on their potential impact on its critical properties.
- Track and understand the health and evolution of the Internet.
- Express the Internet Society's unique focus and scope of concern. The framework helps us evaluate proposals and developments for their effect on the Internet.
- Shape our insight and perspective about the state of the Internet, using the framework as a stable reference point to measure evolutions in technology and operations.

The Critical Properties of the Internet Way of Networking

Five Critical Properties of IWN

The Mock Study

This scenario lets you and other Internet Society Chapter members put the *Internet Way of Networking* into practice. By checking how an issue may impact the five critical properties of a healthy Internet, you can see if it will help or harm the future evolution of the Internet.

Please refer to the mock case you were sent and join us in the breakout rooms to prepare a five-minute presentation - with maximum two bullets on each property – analysing how/if content filtering impacts each of the Internet's critical properties. If a critical property is undermined, which benefits may be lost?

You have twenty minutes to prepare!

Five critical properties and their benefits

Critical Property	Benefits to the Internet Community
An Accessible Infrastructure with a Common Protocol that is open and has low barriers to entry.	Unrestricted access and common protocols deliver global connectivity, and encourage the network to grow. As more and more participants connect, the value of the Internet increases for everyone.
An Open Architecture of Interoperable and Reusable Building Blocks based on open standards development processes, which are voluntarily adopted by a user community	Open architecture creates common interoperable services, which deliver fast and permissionless innovation everywhere. The user-driven nature of standardization and adoption ensures that useful changes are adopted, while unnecessary ones disappear.
Decentralized Management and a Single Distributed Routing System which is scalable and agile.	Distributed routing delivers a resilient and adaptable network of autonomous networks, allowing for local optimizations while maintaining worldwide connectivity.
Common Global Identifiers which are unambiguous and universal	A single identifier set delivers consistent addressability and a coherent view of the entire network, without fragmentation or fractures
A General Purpose Network which is simple and adaptable	Generality delivers flexibility. The Internet continuously serves a diverse and constantly evolving community of users and applications, and does not require significant changes to support this dynamic environment.

Thank you.

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