

How the RIPE NCC Supports Sustainable Development

Preparing your Internet Infrastructure
for the Digital Economy of Tomorrow



The Internet is built on two core principles:

1. Open standards that ensure devices can communicate seamlessly across networks and different technologies worldwide, to guarantee **interoperability**
2. Registration of global Internet identifiers, coordinated openly and without commercial control, to guarantee **global uniqueness**

Together, they make the Internet a **permissionless, global platform for innovation and communication.**



Effective digital governance begins with understanding the layered governance structures that make it possible.

Internet coordination: Keeps the Internet running

Internet governance: Shapes how it's used

Digital governance: Steers how technology transforms societies and economies



How Our Work Contributes to Sustainable Development Goals

How Our Work Contributes to SDGs - 9 & 11



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



&

11 SUSTAINABLE CITIES
AND COMMUNITIES



We contribute to Internet **resilience** by **distributing ASNs** and enabling multihoming, that allows operators to route around damage and choose alternative paths for their traffic. We also **operate K-root**, strengthening DNS resilience.

We promote **scalability** by **distributing IPv6**, expanding available address space. **We also distribute IPv4 and ASNs** under community-developed policies that ensure uniqueness and stability.

We promote **routing security** through **RPKI**, helping to prevent hijacks and misconfigurations.

How Our Work Contributes to SDGs - 9 & 11 (Cont.)



We provide **Internet measurement services** that enable operators, researchers and policymakers to better understand routing, strengthening **Internet stability**.

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We participate in **standards development** and technical communities to support the evolution of the Internet and new Internet technologies.



We provide **accessible learning opportunities** across our service region through our training programmes, the RIPE NCC Academy and the Certified Professionals programme, **building technical capacity**.



By offering initiatives like **fellowships** and by supporting national and regional technical and Internet governance forums, we **lower barriers to participation** and create opportunities for new voices.



Through our **transparent governance documentation and open community processes** like the RIPE Policy Development Process, the RIPE NCC **strengthens confidence in the institutions** that coordinate the Internet.



17 PARTNERSHIPS FOR THE GOALS



Through **formal agreements like MoUs** with governments, intergovernmental organisations, academic institutions and industry associations, the RIPE NCC supports Internet development through **capacity building** and the **exchange of best practices**.



Why Effective Digital Governance Begins with Understanding the Internet Itself



Hisham Ibrahim • 14 Apr 2025 • 13 min read

Effective digital governance begins with understanding the layered systems that make it possible. Technical coordination keeps the Internet running, Internet governance shapes how we use it, and digital governance steers how technology transforms society. Confusing these roles risks undermining all...

opinion

community

+3

57



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https://labs.ripe.net/author/hisham_ibrahim/why-effective-digital-governance-begins-with-understanding-the-internet-itself/

https://labs.ripe.net/author/hisham_ibrahim/enabling-sustainable-development-through-internet-coordination/



Enabling Sustainable Development Through Internet Coordination



Hisham Ibrahim • 27 Oct 2025 • 9 min read

The path to sustainable development runs through the Internet's technical core. Beneath every digital service, every collaboration, and every step forward in how societies grow and adapt lies the infrastructure that supports progress in education, healthcare, governance, innovation, and more. The R...

governance

sustainability

+2

37



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Questions, feedback & dialogue



HMI@RIPE.NET



*External Engagement and Community
Sustaining the Internet Commons*