

The Value of Open Standards

El valor de los estándares abiertos

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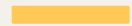
Internet before toothbrush?



- *It just works. That is not an accident.*

The value of open standards is not just that they exist.

The value is in *who* participates in writing them.



Implementer → Participant

Open Standards: Four properties.

01

Public

Specs anyone can read and implement.
No Vendor Lock-In.

02

Open process

Meetings, lists, minutes: all visible.
Transparent and collaborative development.

03

Open to all

No passport, no sponsor,
no special invitation.
Interoperable and Extensible

04

Unencumbered

No royalties.
Non-Discriminatory Licensing

“

**Rough consensus
and running code.**

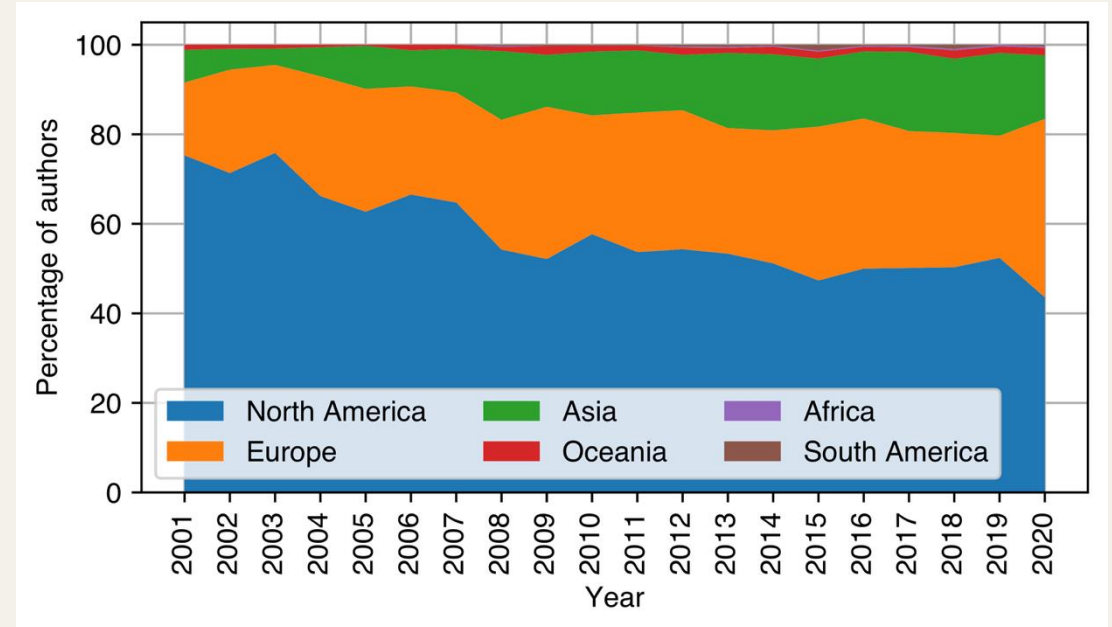
— *David Clark, on how the IETF makes decisions*

Open standards are a social technology.
The protocol is the visible part.

Open in principle. Uneven in practice.

● 670M+

people in the LACNIC Region
Second-fastest-growing Internet population.
Structurally underrepresented in standards authorship.

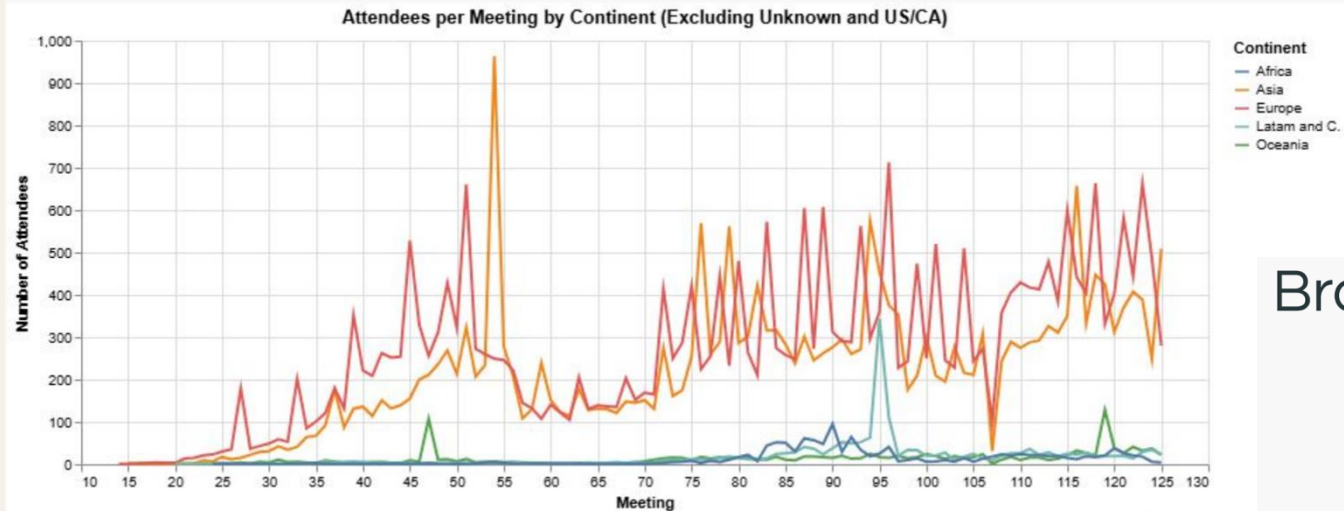


<https://csperskins.org/research/protocol-standards/2021-11-04-trends-rfc-authors/>

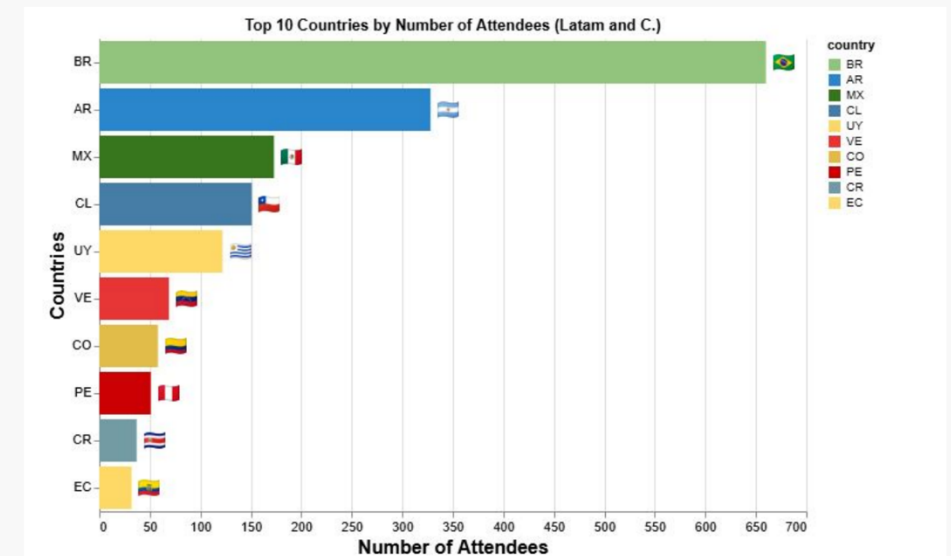


Two risks of not showing up: implementation risk + direction risk.

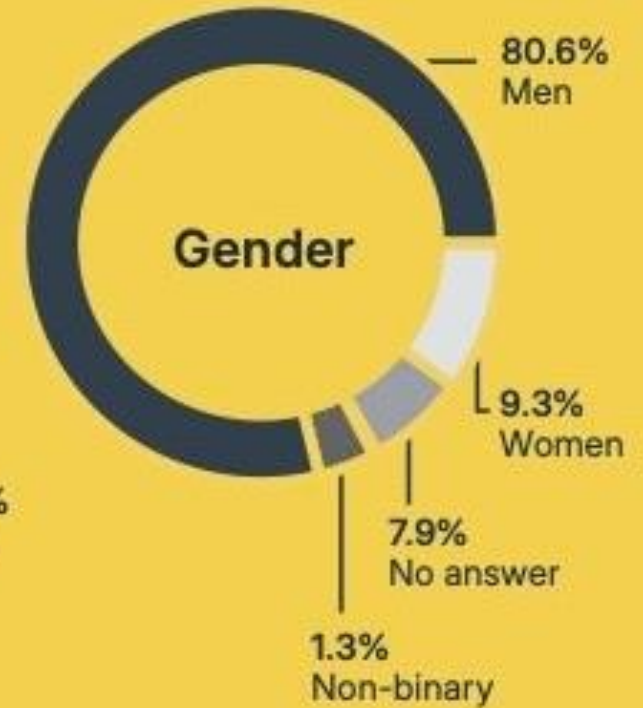
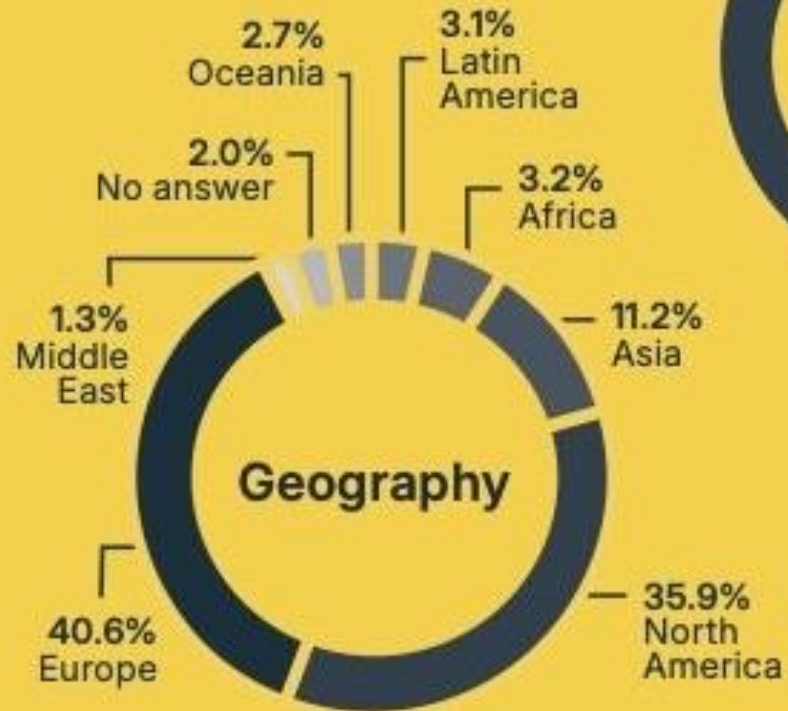
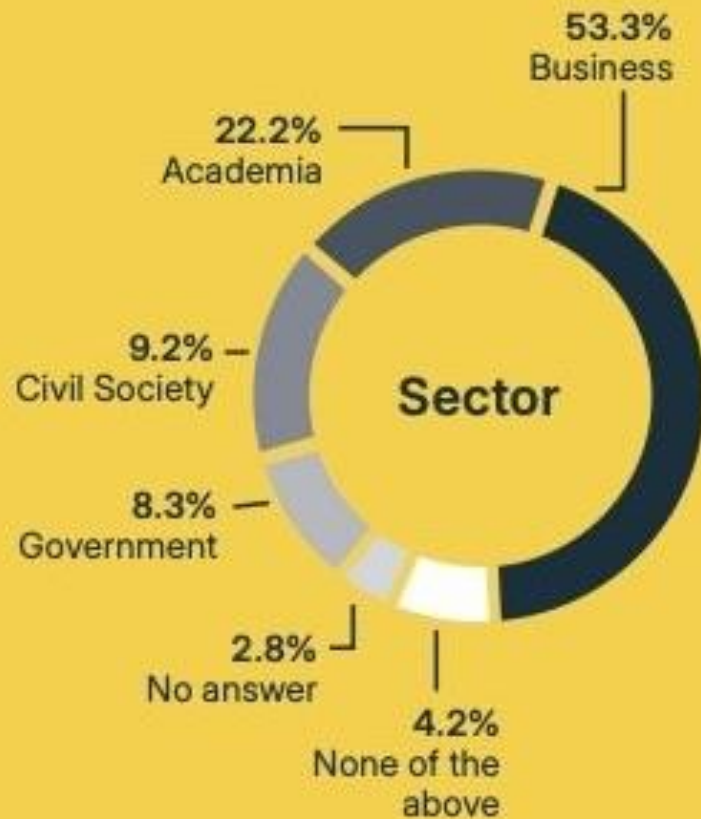
Participation of regions over time



Brazil leads Latin American engagement



The IETF Community



Source: 2025 IETF Community Survey

Four stories from the stack.

- **RPKI**

The LACNIC story

- **IPv6**

Patient capital

- **DNSSEC + MANRS**

Trust as a shared good

- **Post-Quantum**

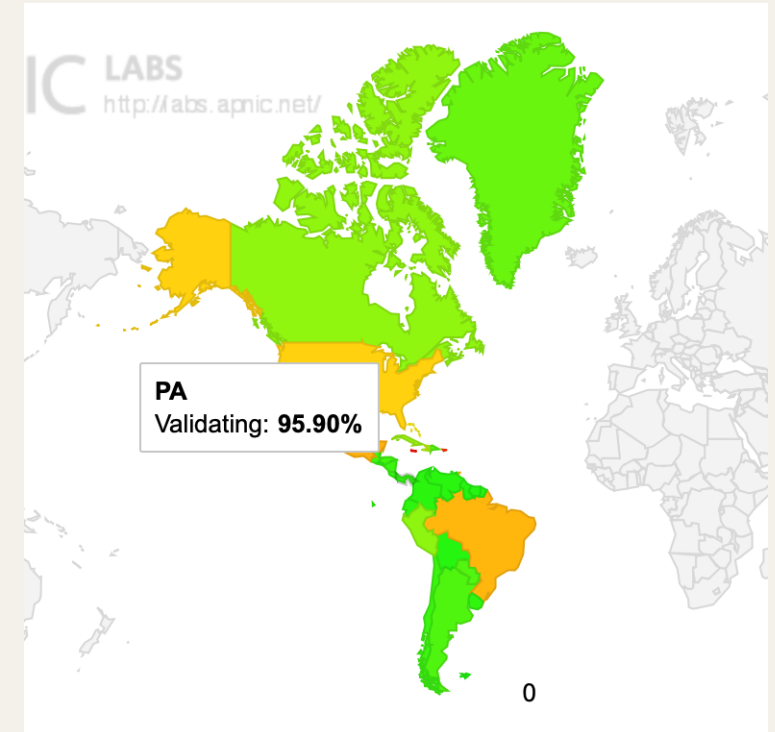
Future-proofing, now

RPKI: LATAM didn't wait!

The community participated in SIDR/SIDROPS as the standard was being written. Deployment grew with the spec.

- **Top quartile globally**

LAC region ROA coverage and ROV adoption, as measured by NIST RPKI Monitor.



<https://stats.labs.apnic.net/roa/XC>

When your community is in the standard, your community deploys it first.

IPv6: Patient capital.

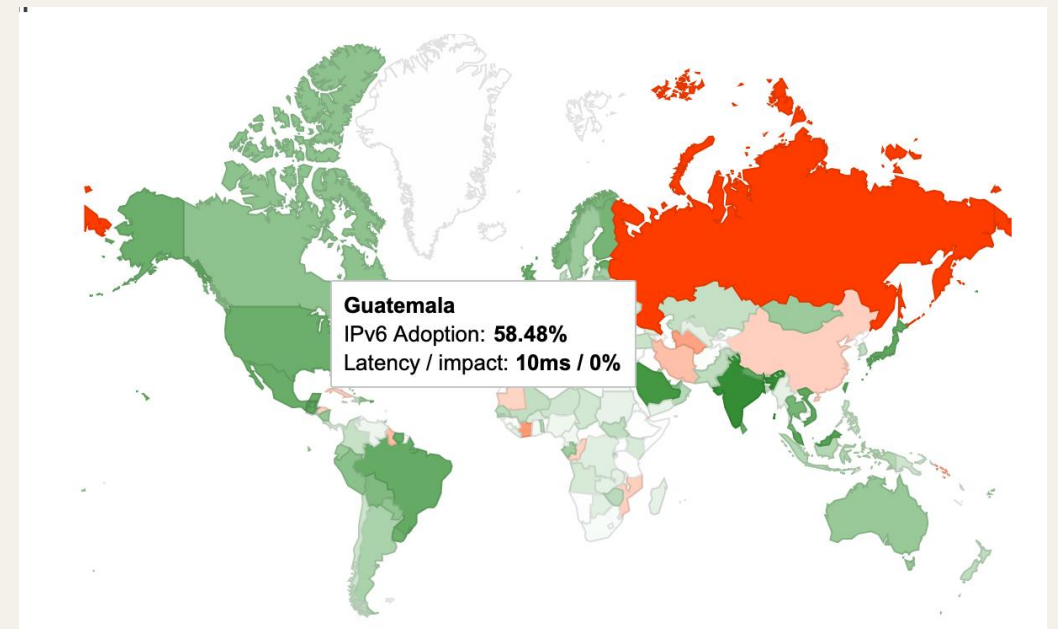
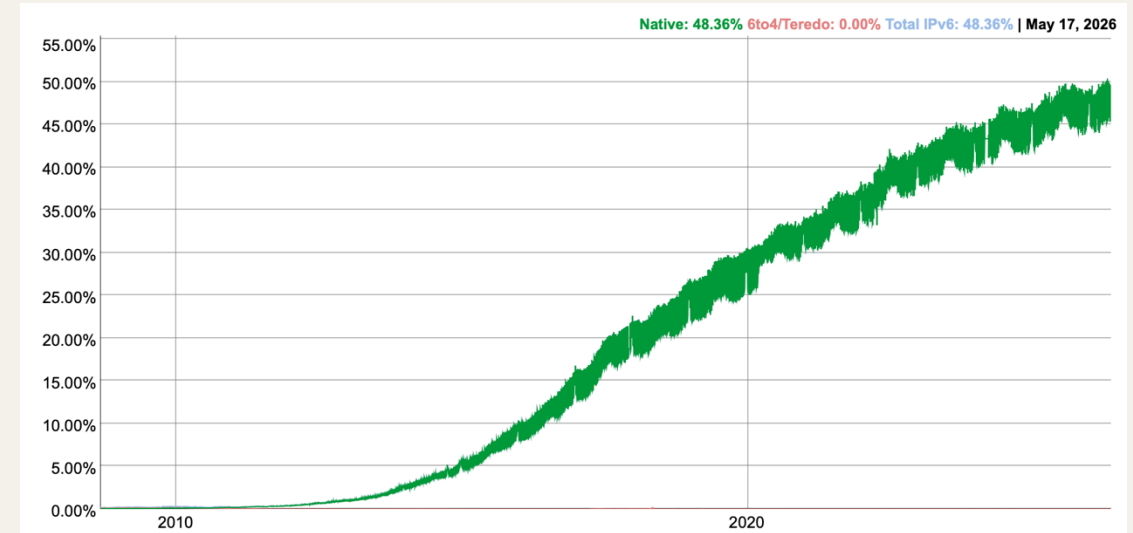
*“About to happen” for twenty-five years.
Then, suddenly, half the Internet.*

- **~30 yrs**

from RFC to ubiquity.

- **30–70%**

IPv6 traffic share, by country today.



DNSSEC + MANRS: Trust is a shared good.

DNSSEC

Cryptographic verification
of DNS answers.

*Benefit accrues to every
query passing a validating resolver.*

MANRS

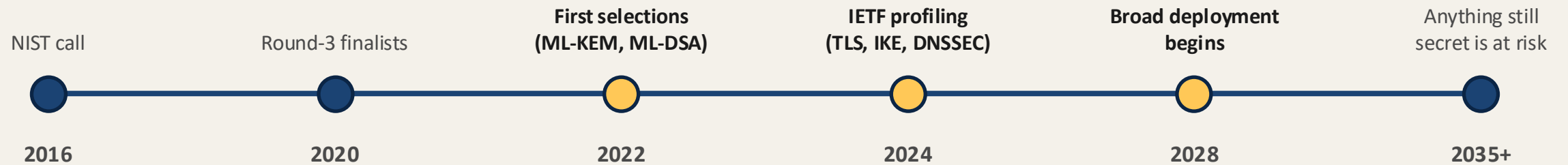
Norms on top of standards:
RPKI, filtering, anti-spoofing.

*You join not to optimize yourself —
you lower the noise floor for everyone.*

If you're not at the table, you comply — instead of shaping.

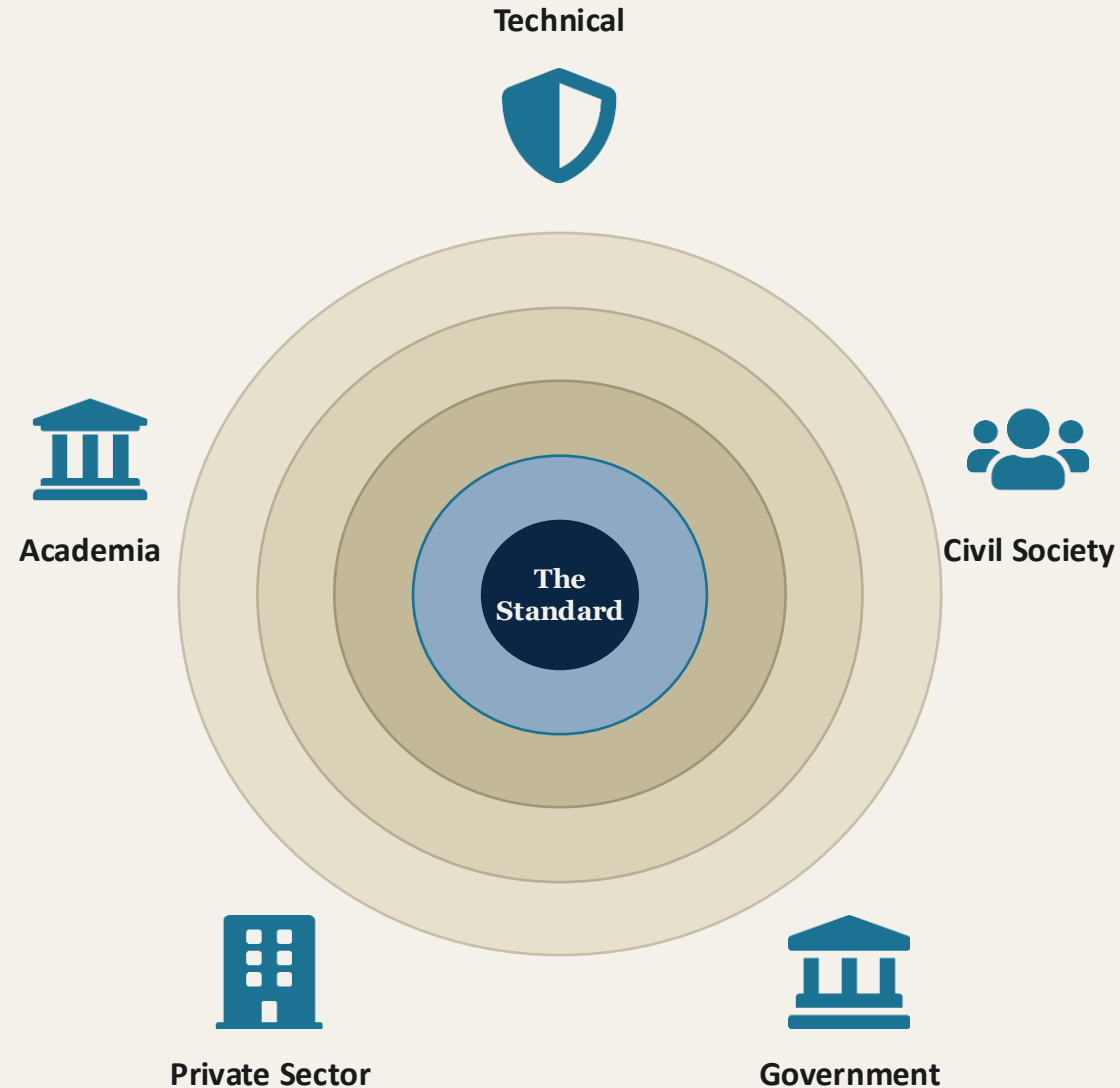


Post-Quantum



Harvest now, decrypt later.

The Standard belongs to all of us!



What each stakeholder gets.

- **Technical Community**

Depth · network · optionality

- **Civil Society**

Defaults that reflect users

- **Governments**

Regulation grounded in reality

- **Private Sector**

De-risked roadmap and supply chain

- **Academia**

Living syllabus + first job offers



Five doors you can walk through
on Monday morning.

CALL TO ACTION

*Stand at the table.
Shape the standard.
Steward the Internet.*



IETF WGs



IETF Meetings



LAC IGF



Post Quantum Series



Gracias!