

Q3 European Chapter Call

An overview of ISOC's future involvement

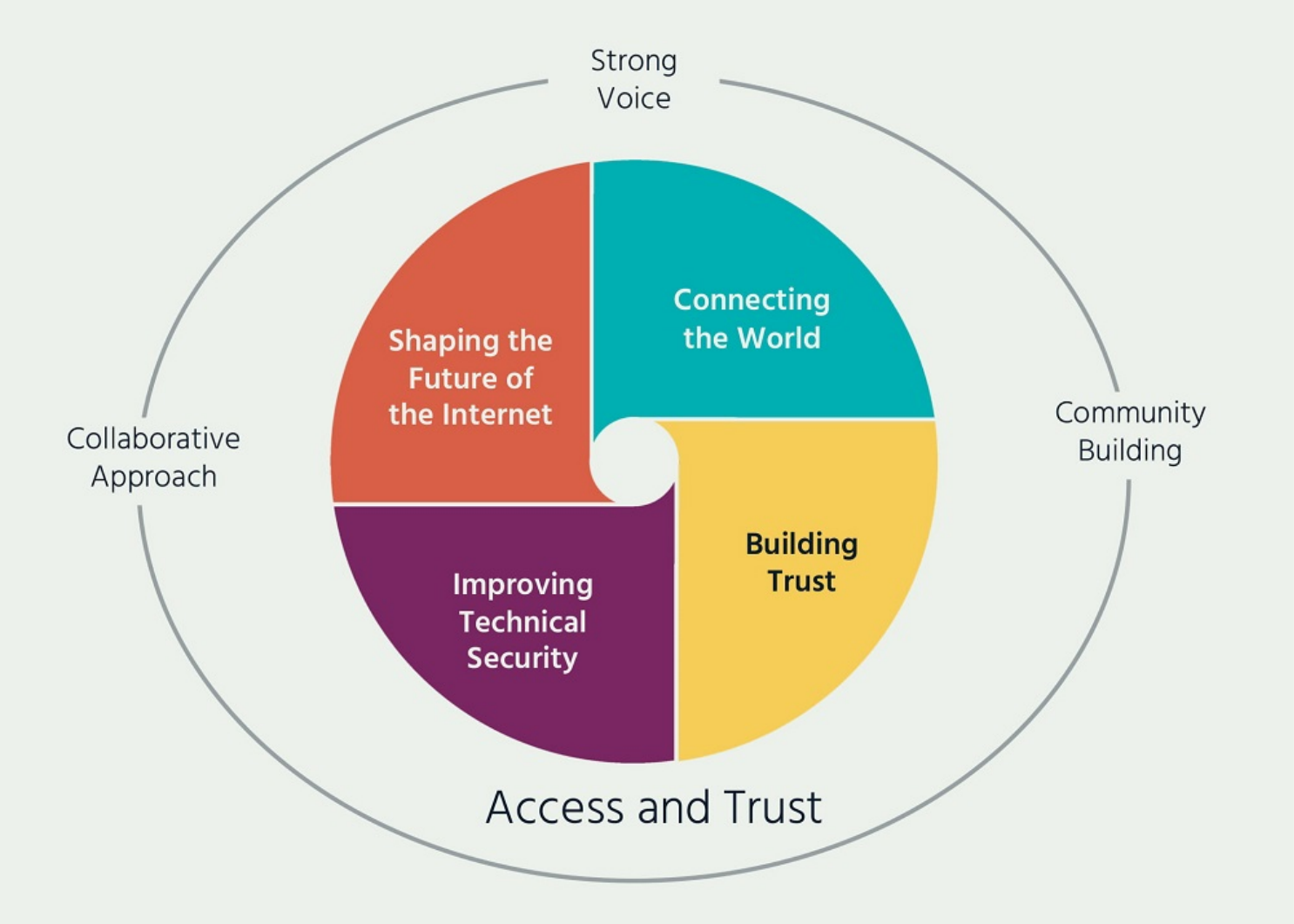


Massimiliano Stucchi

2019 Action Plan



2019 Action Plan



2020 Projects



9 Projects

**Community
Networks**

**Measuring the
Internet**

**Consolidation and
Regulation**

**Technical and
Operational
Engagement**

**Open Standards
Servers
Ecosystem**

Encryption

MANRS

Time Security

**Internet
Shutdowns**



- Full planning is underway
- Period 2020-2025
- “Think global, act local” approach
- You can still update your “interests” in your Member/Chapter profile



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Community Networks

- Continue the work done supporting and expanding community networks
- Goal: **Legally** deploy community networks in 50 countries by 2025
- Supporting evidence they improve conditions



4 Focus areas

Deployment

Capacity Building

**Enabling
Environment**

**Impact
Assessment**



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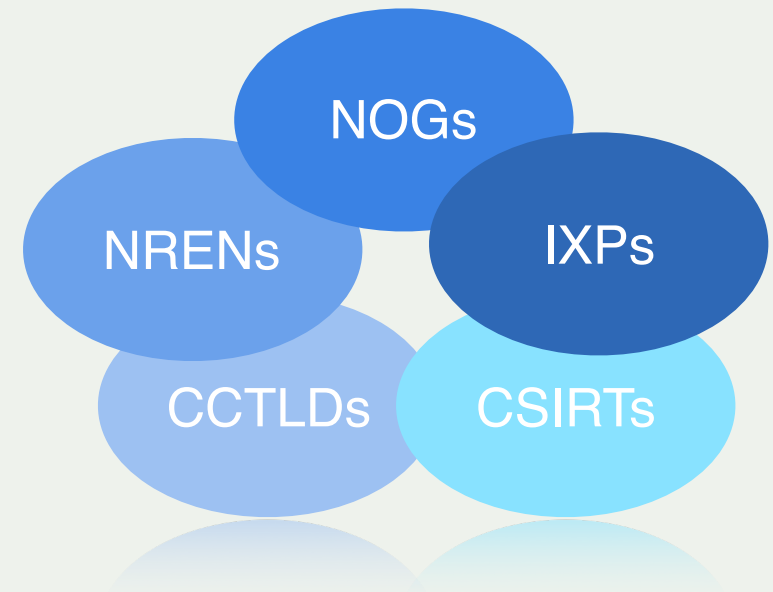
Time Security

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Technical and Operational Community Engagement

- Engage with communities and parties involved in running the Internet
 - Discuss latest developments
 - Influence those who can improve Internet Infrastructure
- Support development and continuity of these communities
- Build, promote, defend the Internet



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Mutually Agreed Norms for Routing Security

- Global community-driven initiative
- Provide crucial fixes to reduce most common routing threats
- Establish new norms for network operations
- Keep developing the initiative
 - Increase the number of operators adopting it



MANRS

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Measuring the Internet Model

- Identify Metrics of the Internet Model
- Use relevant sources of data
- Track the evolution of indicators over time
- Build a web based dashboard to:
 - Present trends
 - Contextualise the indicators



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Functioning Open Standards Server Ecosystem

- Set up a demonstration environment
 - Promote standards and protocols supported by ISOC
- Demonstrate real use case in an ideal environment
- Help in discussing with stakeholders about standards
 - Allow implementors to align their systems to ISOC-supported open standards



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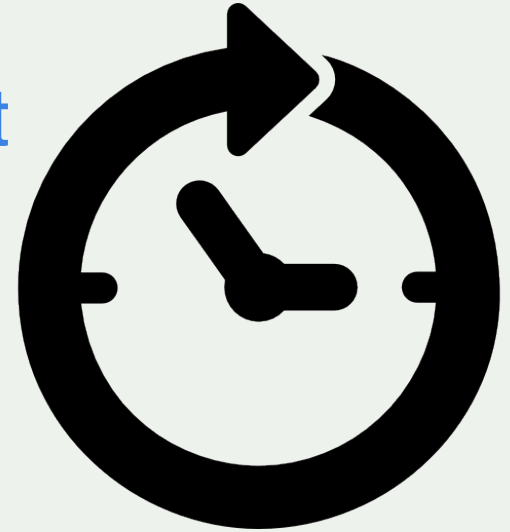
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**Internet
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Time Service Security Development and Deployment



- ISOC has been working to improve NTP and IEEE1588
 - Two major Time Synchronisation protocols
- Soon new mechanisms will be published in more than ten years
 - Algorithms have been updated as well
- Goal is testing new algorithms, document use cases and outreach



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Consolidation and Regulation

- The Internet is getting more and more consolidated around a small set of companies and organisations
- This goes against the distributed nature of the Internet
- Goal is to create awareness and provide knowledge about how the Internet should be and should remain



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Encryption

- Governments are more and more interested in encryption
 - Undermining it
- Create a movement against attempts to undermine Encryption
 - Provide knowledge about the dangers of weakening encryption
- Engage with stakeholders



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Internet Shutdowns 2020 and Beyond

- Internet shutdowns affect entire countries in case of protests, national exams, natural disasters and other major events
- Goal is to promote growth for Interconnection to make the Internet more resilient
 - Create awareness around shutdowns
 - Discuss with governments about the issue



Questions ?

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Thank you.

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