

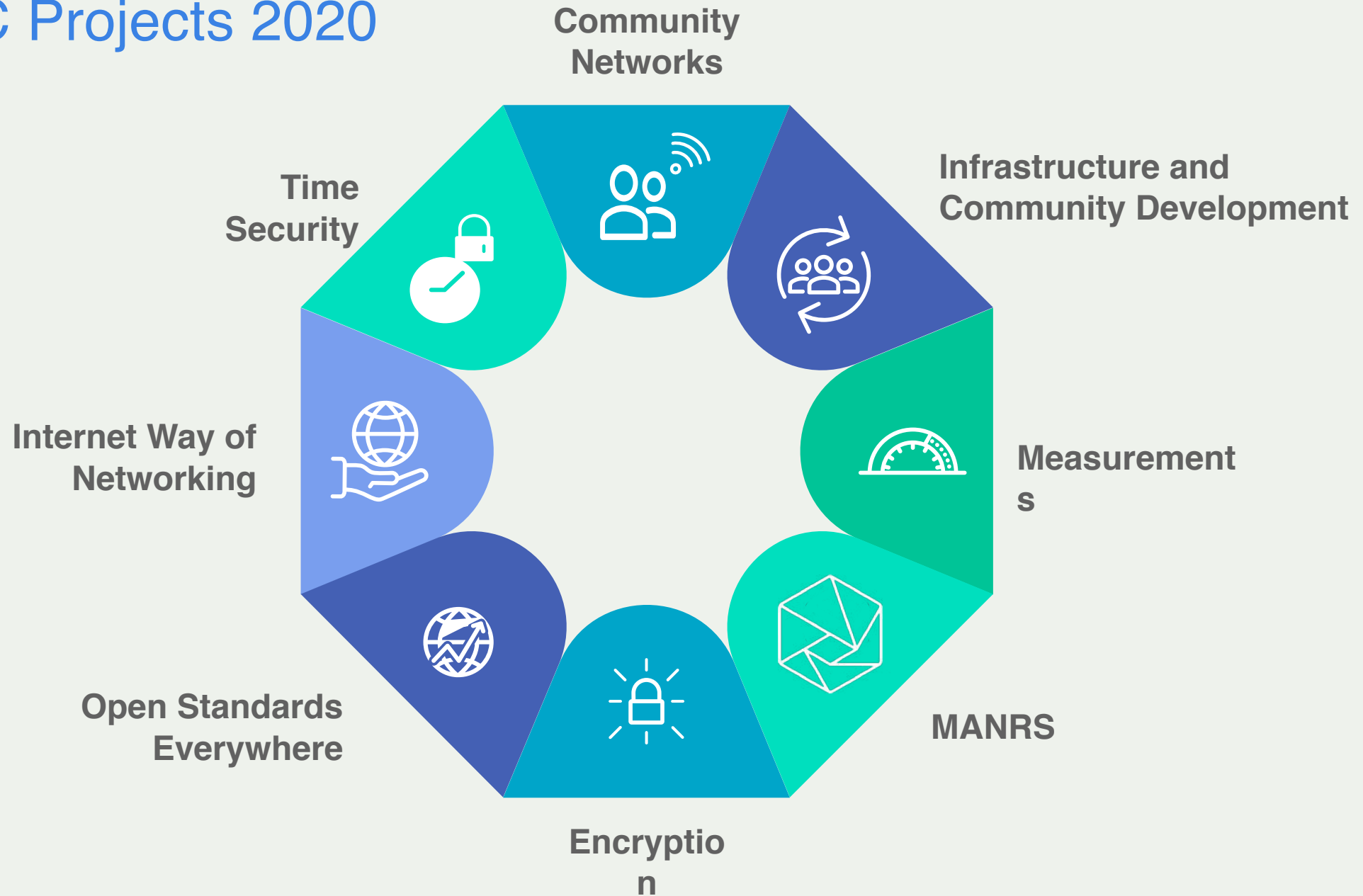
Connecting the unconnected: Community Networks



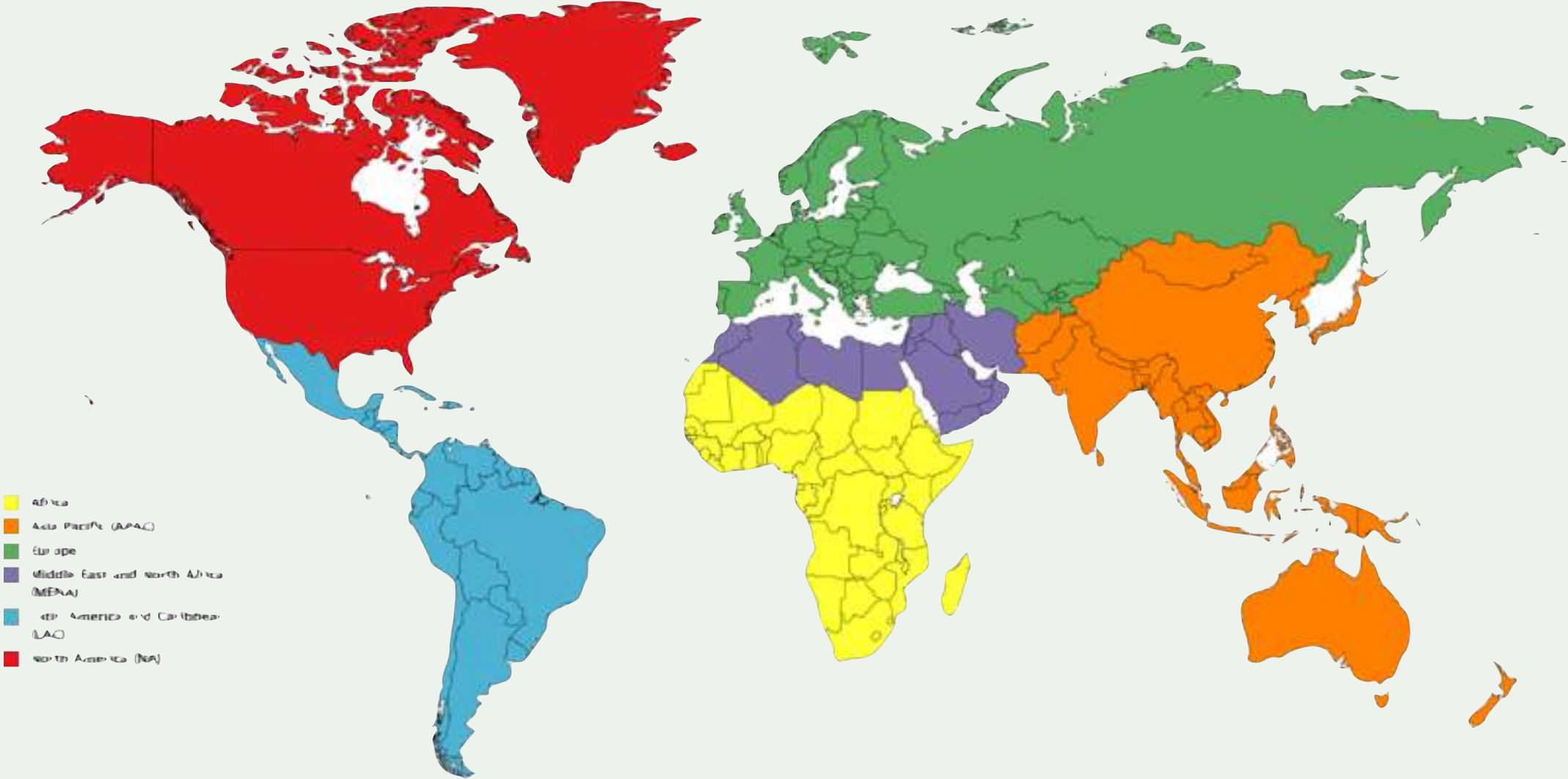
Juan Peirano

Internet Day - Internet Society Bahrain Chapter
2020

ISOC Projects 2020



Global and Regional approach to how we work



Community Networks

- Complimentary access solution
- From the people for the people
 - **From** the community, **with** the community **by** the community
- Key ingredient are **Local Champions**



Local Champions

- People making a difference in their community
- Don't necessarily need to be highly technical
 - but also **creators of community**





4 Stages of development and deployment



The Pillars of Community Networks

Policy

A favourable policy environment making it simple to start a network and running it

Backhaul

Access to fiber or to a favourable ISP willing to provide capacity to run the CN on

Knowledge

Technical capabilities required to maintain and expand the network, but also understand the technologies used

Users

A critical mass of users that gain benefit from Internet access and help foster the network

Sustainability

Ability to keep the network running financially without external help or funding



Challenges for Community Networks

**Local
Engagement**

Training

Local Knowledge

Licenses

Spectrum

Funding

Backhaul cost

Cash Flow

Power sources




Opportunities for Community Networks



Local Engagement

Training

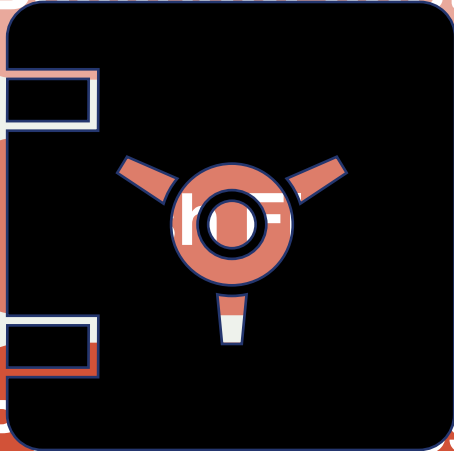
Local Knowledge



Licenses

Spectrum

Funding



Backhaul cost

Financing



Examples of Successful Community Networks around the World

- Europe

- Tusheti, Georgia
- Sussamyr, Kyrgyzstan
- sarantaporo.gr, Greece

- Asia-Pacific

- India
- Nepal
- Pakistan

- South America

- Colombia
- Argentina
- Mexico

- Africa

- Murambinda Works, Zimbabwe
- Zenzeleni, South Africa
- Kondoa, Tanzania
- Tunapanda, Kenya

- North America

- Pu'uhonua O Wai'anae, Hawaii'i
- Ulukhuqtuk, Northwest Territories, Canada



Thank you.

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