

Global Network Architecture Vision & Ambition – A Status Update

Budapest, HU – 3-4 October 2017



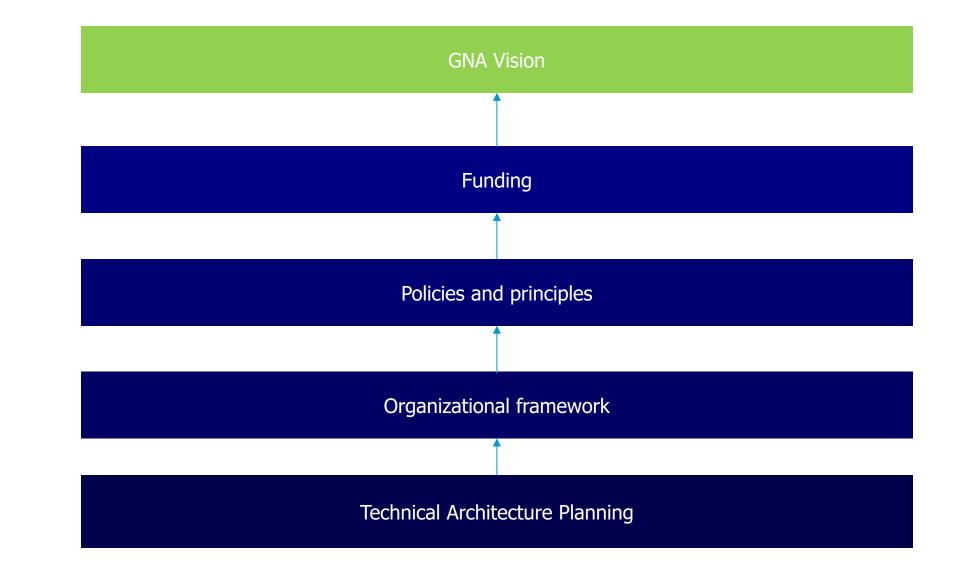


Quick History of GNA





Dimensions of GNA





The GNA Vision:

"Globally Connecting Science, Research & Education"

Goal: BW & Services between continents on par with within continents

The GNA Mission:

- Inclusive "architecture"
- Increase collaboration and resource sharing
- Maximizing utilization of funds
- Aligning investments in intercontinental circuits



The GNA Framework – Open Forum

1. GNA Technical Working Group

- Technical Reference Standards
- Operational Paradigms
- Provisioning structure

2. GNA Strategy & Policy Working Group

- Strategy & Vision
- Funding

DRDUnet

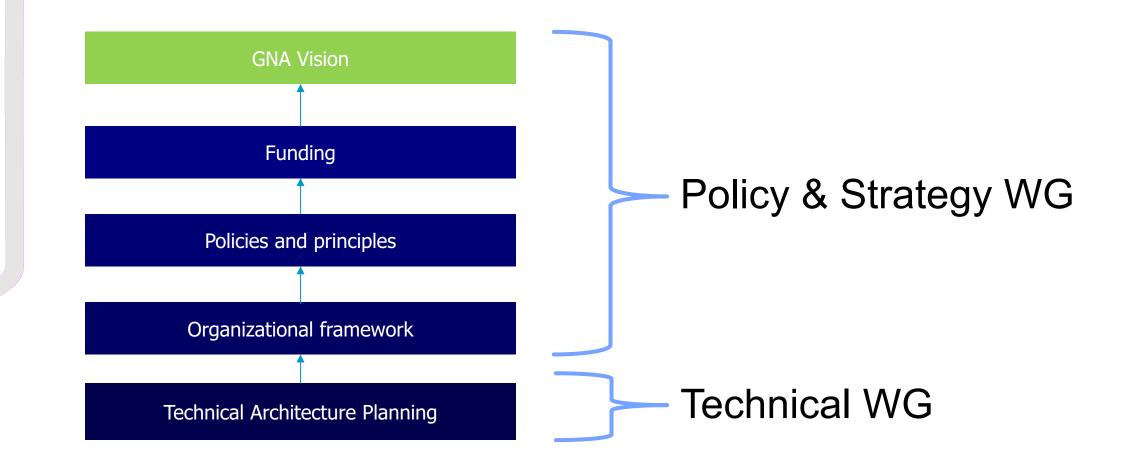
- Policies
- Procedures
- Behaviour

GNA Framework	
Technical	Policy & Strategy





Dimensions of GNA



The Policies & Principles of GNA

Participation:

NORDUnet

- Contribute Resources
- Contribute to and comply with GNA Architecture
- Adhere to Policies & Practices

Restrictions

• State your limitations – AUP

Fair use

- Usage and contributions reflects a fair and equal use principle
- Common endeavour
- Contribute resources benefitting common good

Behaviour

- Based on trust and open discussion between partners
- Working towards common goal
- All strengthen national, regional and international reach

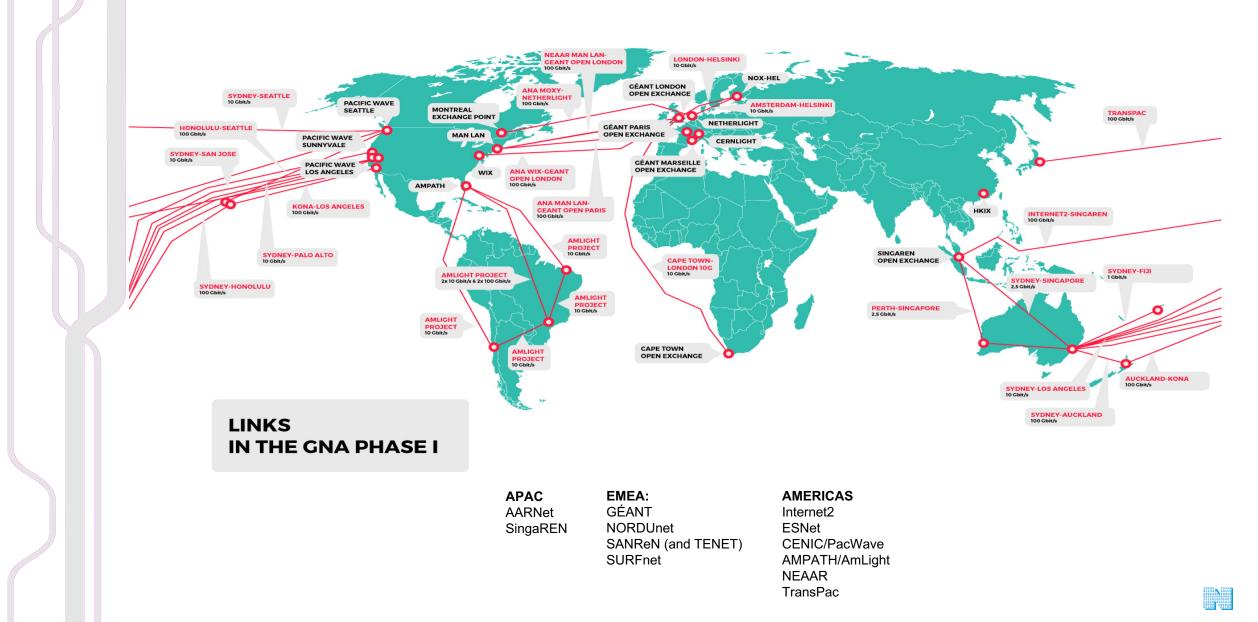


DUnet Transitioning GNA to Actual Infrastructure

- The GNA concept has achieved near-universal buy-in
- The 'Proof of Concept' project (ANA) has proved successful and stable
- Consortia are developing (similar to ANA) in other regions
- The number of Global Exchange Points continues to grow:
 - Montreal, Canada
 - Cape Town, South Africa
- Formal announcement of the GNA Phase One implementation
 @ I2 Global Summit 2017

The GNA work – Phase 1 GXPs & Links







- Policy & Strategy WG working on first tasks
- Phase I consolidation happening
- GNA v2.0 architecture: Strawman's proposal



The GNA Vision Video





Thank You. Questions?

GNA website: https://gna-re.net/

GNA video:

https://video.nordu.net/media/GNA+Whiteboard+Video+%28Final% 2C+2017%29/0 nrgtsc5w



global network architecture