

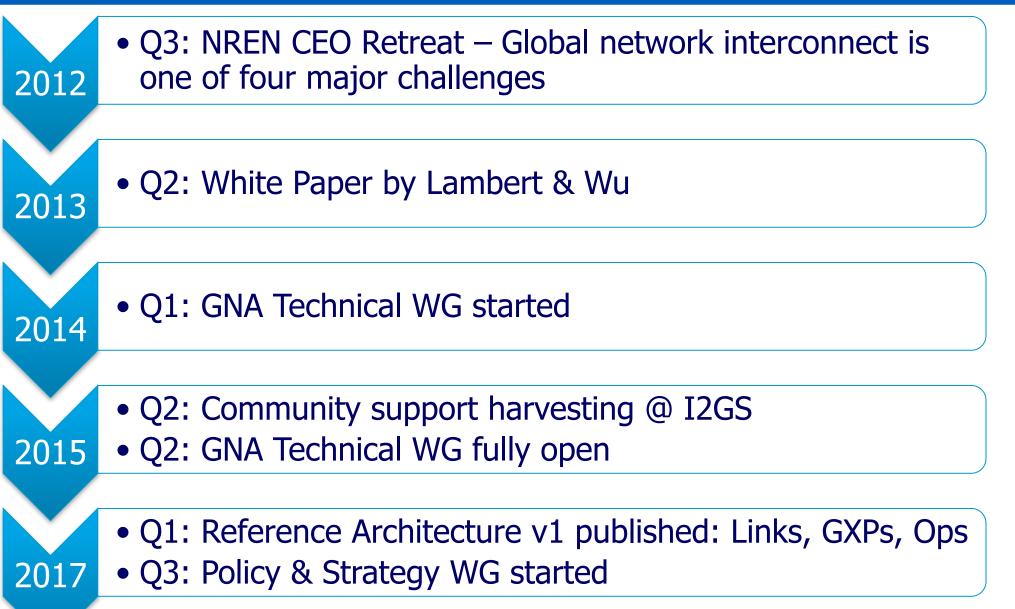
### **Global Network Architecture Vision & Ambition – A Status Update**

#### Budapest, HU – 3-4 October 2017



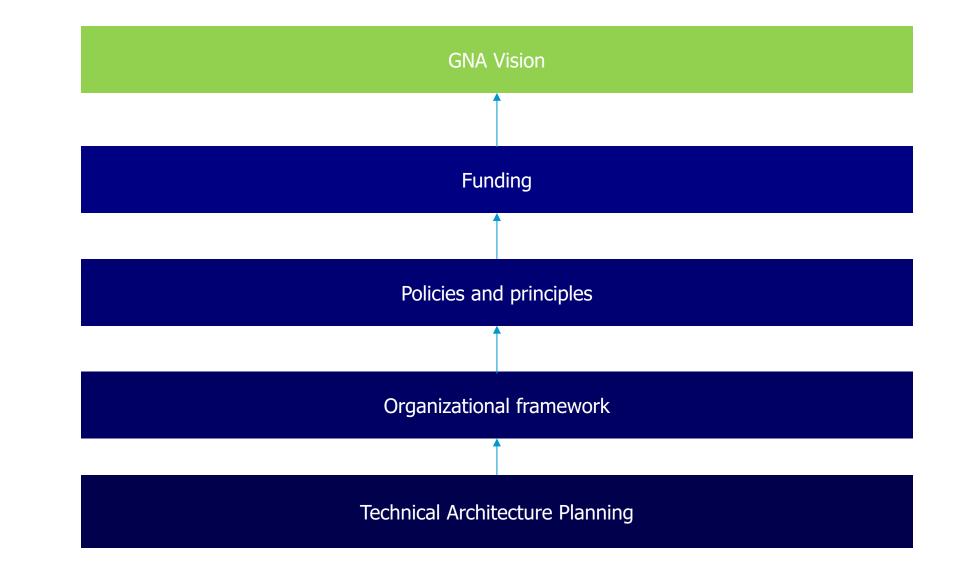


## **Quick History of GNA**





### **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

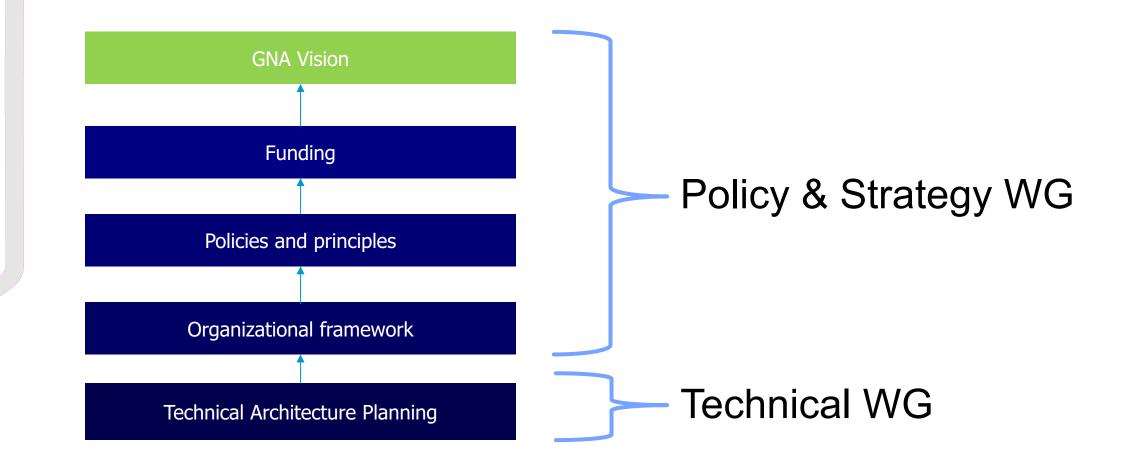
- Policies
- Procedures
- Behaviour

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

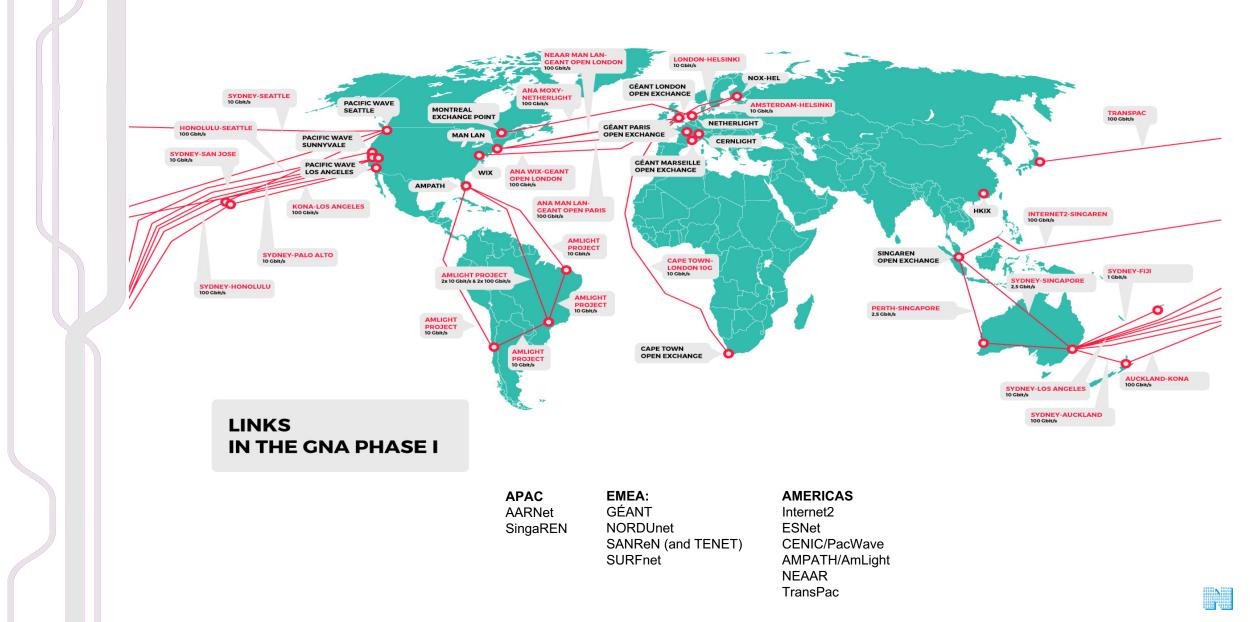


#### **DUnet** Transitioning GNA to Actual Infrastructure

- 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