

A P A N 59<sup>th</sup> Meeting,  
Y o k o h a m a



# Welcome to the **GNA-G Meeting**

*GNA-G Leadership Team:*

Buseung Cho (KISTI), Ivana Golub (PSNC), Alex Moura (KAUST),  
Harvey Newman (Caltech), David Wilde (AARNet)

# Agenda



- Welcome, agenda – Buseung/KISTI (5')
- GNA-G LT and WG update : ToR document, future GNA-G evolution – David Wilde/AARNet (15')
- Open and Sharing Data in Agriculture and Disaster Mitigation in Asia - Veerachai Tanpipat/HII (15')
- ESnet QUANTNET - Chin Guok/ESnet (15')
- LHCOPN/LHCONE and SKA network – Vincenzo Capone/GEANT (15')
- Discussion (20')
- GNA-G Upcoming events & Wrap-up (5')

# Leadership Team update

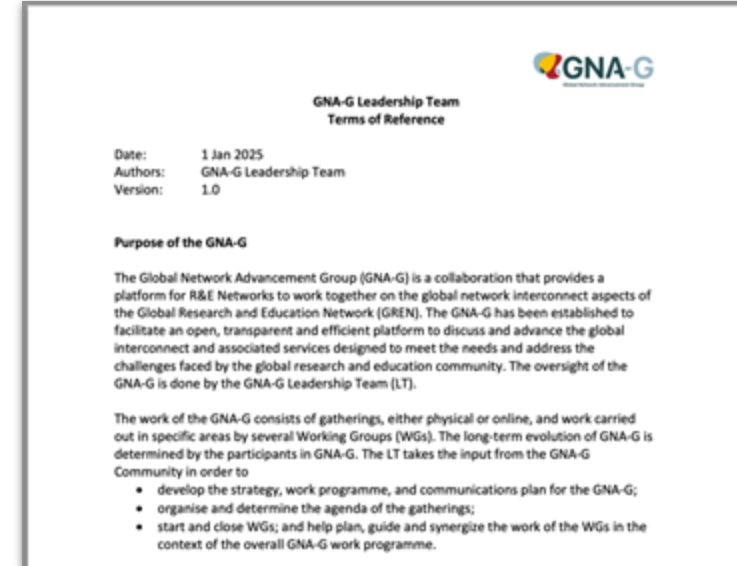
New document: Terms of Reference

# GNA-G LT - Terms of reference



A new document, outlining how the LT functions.

- *Purpose of GNA-G*
- *Formal/legal status*
- *Financial model*
- *Governance & the LT*
- *Expectations of integrity*
- *Election of LT members & the NomCom*
- *Diversity*



Why have we written this document

1. For **openness & transparency** regarding how GNA-G operates
2. Clarity for LT & the GNA-G Community in **roles & responsibilities**
3. Provide **guidance to NomCom** & the community in selecting new LT members

# GNA-G LT - Terms of reference



## Key items from the document

- The **GNA-G**:
  - *is a virtual collaboration, with no formal or legal status*
  - *currently operates without a funding model or budget; depending on in-kind contributions*
- The **LT is the central governing function** of the GNA-G
  - *Develop the strategy, work programme, and communications plan for the GNA-G;*
  - *Create and close WGs; and help plan, guide and synergize the work of the WGs*
  - *Between 3 and 9 members*
  - *Terms of 48 months; maximum two terms*
  - *LT selected by NomCom; LT then elects a chair*
  - *Holds regular VCs; organises virtual & in-person meetings*
  - *May decide matters via voting*
- **Integrity** is key to the LT; all conflicts of interest to be declared and managed.
- **Diversity** is fundamental to the success of the GNA-G broadly and the LT specifically.

# GNA-G LT - Terms of reference



## Where can I find this document?

On the GNA-G website, under >Resources>General

Direct link: <https://www.gna-g.net/wp-content/uploads/2025/02/GNA-G-Leadership-Team-ToR-v1.0.pdf>

**Feel free to provide us with comments, suggestions & feedback!**

# Leadership Team update

Proposed evolution of GNA-G

# GNA-G LT - future evolutions

## Background:

Wide-ranging **community input** at in-person meetings at TNC, I2, SC and elsewhere

**Strategic discussions** with LT, Valter Nordh (NORDUnet) & Inder Monga (ESNet)

Many **opportunities** for the Global R&E Network to deliver increased unique value

Increased **threats**: competition, cyber, resilience, increased expectation



# GNA-G LT - future evolutions



## The motivation:

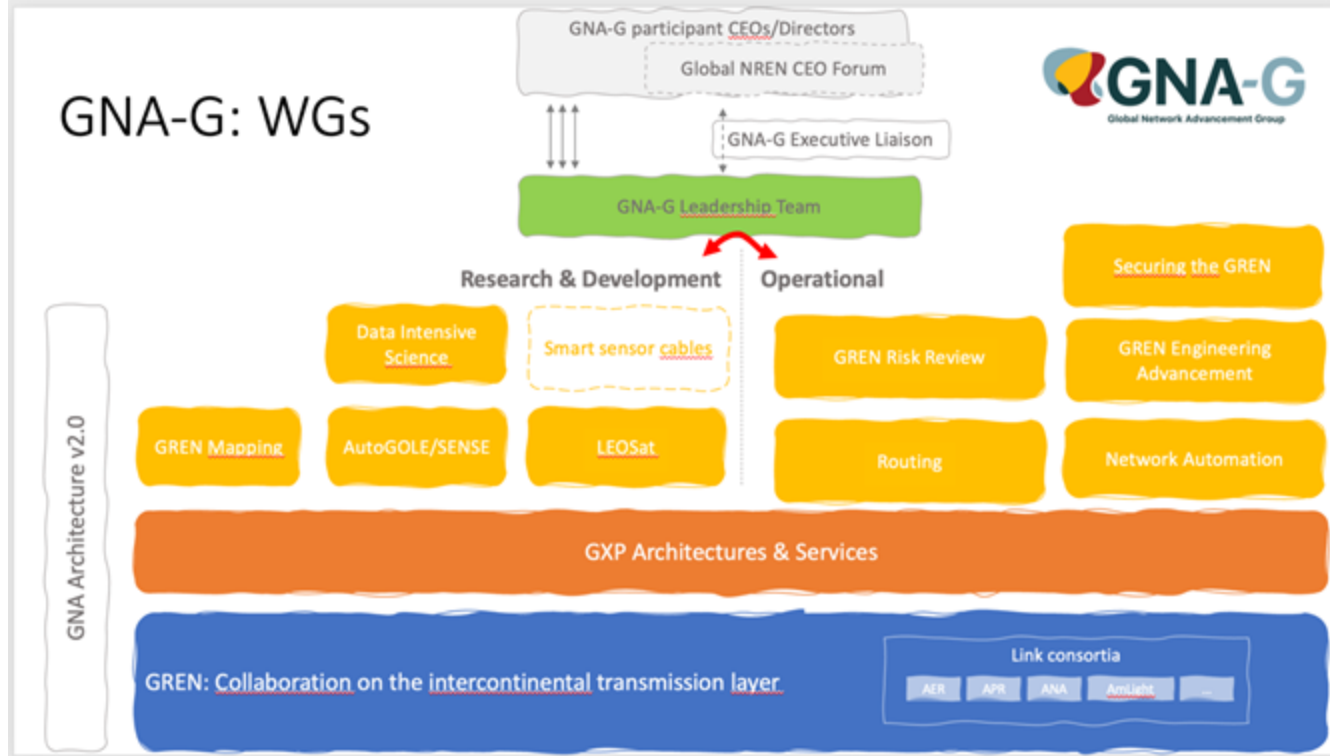
**To harness the energy and enthusiasm of the community, and evolve GNA-G:**

- to more rapidly take advantage of the opportunities,
- and to effectively respond to the threats currently facing us.

# GNA-G LT - future evolutions

**Proposal:** Re-align the LT and WG activities to four focus areas

**Current:**



# GNA-G LT - future evolutions



**Proposal:** Re-align the LT and WG activities to four focus areas

*GREN leadership*

*Planned*

**Executive Liaison**

**Leadership Team**

**Network best practices**

**Network technologies**

**Cyber-security**

**Future technologies &  
emerging global system  
concepts**

**Goal:**

Raise the overall quality and efficiency of R&E networks forming the GREN.

**Goal:**

Ensure that R&E networks can meet the evolving needs of the research and education community.

**Goal:**

Safeguard sensitive research data, protect R&E network infrastructure, and maintain the trust of our communities and funders.

**Goal:**

Innovation hub & research to develop next-generation services & architectures to further advance research and education.

# GNA-G LT - future evolutions



## Intended outcomes:

By fostering collaboration and innovation, GNA-G aims to achieve the following outcomes:

- **Improved network performance:** Through the sharing of best practices and the development of new technologies, GNA-G will help R&E networks improve their performance and reliability.
- **Increased efficiency:** By optimizing resource utilization and streamlining network interconnection, GNA-G will help R&E networks operate more efficiently.
- **Enhanced security:** By focusing collectively on security best practices and emerging technologies, GNA-G will help R&E networks strengthen their defenses against cyber threats.
- **Next-generation services:** By exploring and developing new technologies and concepts at the intersection of research and operational networks, GNA-G will help R&E networks offer next-generation services that can better support research and education.

# GNA-G LT - future evolutions



## Next steps:

1. **Announcement:** Inder Monga joining Valter Nordh as Executive Liaison
2. **Vision Statement:** LT + Executive Liaison to finalise & share draft document outlining the proposed way ahead
3. **Strategy & roadmap:** LT develop 3 year roadmap towards these goals



### The Global Network Advancement Group (GNA-G): A Vision for the Future

Authors: Inder Monga (ESnet), David Wilde (AARNet), Valter Nordh & Erik-Jan Bos (NORDUnet)  
Date: February 2025

The Global Network Advancement Group (GNA-G) is committed to fostering international network collaboration among research and education (R&E) networks globally. Recognizing the diversity and complexity of the global R&E infrastructure, GNA-G aims to streamline network interconnection, optimize resource utilization, and enhance service delivery for the global scientific and educational community.

# GNA-G LT - future evolutions



## Next steps:

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## Following that:

1. **Standardise output:** LT to work with WGs on evolving the way we publish & share WG output (best-practices, whitepapers, how-tos, git repos, working code...)
2. **Discussion:** various points to be agreed with GNA-G community - eg. future need for funding model; role of secretariat; contribution of resourcing...
3. **Communication:** develop and implement GNA-G comms strategy
4. ...

# Discussion

# **Upcoming events & wrap-up**



# GNA-G LT Update - upcoming events



## Planned meetings for 2025:

### In person

- **APAN59** (3-7 March - Yokohama, Japan)
  - Tue 4 Mar 2025: 4-5.30pm
- **Internet2 Community Exchange** (28 Apr - 1 May - Anaheim, USA)
  - Date/time TBC
- **TNC25** (9-13 June 2025 - Brighton, UK)
  - Fri 13 Jun 2025: 9am-12.30pm

### Community VCs

- **Q2 - proposed**
  - VC #1: Tue 8/04 – 9-11am UTC
  - VC #2: Thu 10/04 – 6-8pm UTC

## NomCom in Q1 2025



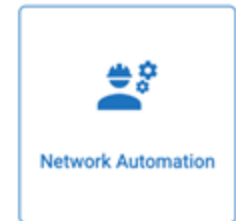
Credit: SeanPavonePhoto

# GNA-G Working Groups



<https://www.gna-g.net/working-groups/>

- **AutoGOLE/SENSE:** [autogole@lists.gna-g.net](mailto:autogole@lists.gna-g.net)
- **GREN Map:** [gren-mapping-wg@lists.nordu.net](mailto:gren-mapping-wg@lists.nordu.net)
- **Routing:** [routing-wg@lists.gna-g.net](mailto:routing-wg@lists.gna-g.net)
- **Data Intensive Science:** [gna-dis-wg@lists.gna-g.net](mailto:gna-dis-wg@lists.gna-g.net)
- **Network Automation:** [network-automation@lists.gna-g.net](mailto:network-automation@lists.gna-g.net)
- **GREN Engineering Advancement:** [gren-engineering-wg@lists.gna-g.net](mailto:gren-engineering-wg@lists.gna-g.net)
- **Securing the GREN:** [securing-the-gren-wg@lists.gna-g.net](mailto:securing-the-gren-wg@lists.gna-g.net)
- **Global LEOSat:** [global-leosat-wg@lists.gna-g.net](mailto:global-leosat-wg@lists.gna-g.net)
- **NomCom:** [nomcom@lists.gna-g.net](mailto:nomcom@lists.gna-g.net)



New

**GREN Resilience:** [gren-resilience-wg@lists.gna-g.net](mailto:gren-resilience-wg@lists.gna-g.net)

# How can you get involved?

Join the GNA-G Community mailing-list: [all@lists.gna-g.net](mailto:all@lists.gna-g.net)

Join a working-group

<https://www.gna-g.net/working-groups/>

Contribute your thoughts & ideas at the next meeting/VC:

<https://www.gna-g.net/meeting/>

Reach out to the Leadership Team

Web: <https://www.gna-g.net/contact-us/>

Email: [leadershipteam@lists.gna-g.net](mailto:leadershipteam@lists.gna-g.net)



# Thank you

<https://www.gna-g.net/>  
[leadershipteam@lists.gna-g.net](mailto:leadershipteam@lists.gna-g.net)

**Next GNA-G Community VCs:**

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