



Welcome to the Q1 2025 GNA-G Community VCs

GNA-G Leadership Team:

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

Tuesday, 11 February 2025, 6pm-8pm UTC

Thursday, 13 February 2025, 9am-11am UTC

suits North America, Latin America, Africa, and Europe

suits Asia, Australia, New Zealand, Africa, and Europe

Agenda



- Welcome, agenda - Ivana/David (5')
- SC24 & WG updates:
 - SC24 Quantum NRE: Piotr Rydlichowski (20')
 - GP4L labs: Evaluation of high performance dataplane: Marcos Schwarz (20')
 - GREN Resilience WG update: Harold/Steve/Erik-Jan (20')
- LT update:
 - LT update: ToR document, future GNA-G evolution: David (20')
 - NomCom: Alexander (10')
- Discussion (30')
- Wrap-up (5')

Presentations

- SC24 Quantum NRE: Piotr Rydlichowski
- GP4L labs: Evaluation of high performance dataplane: Marcos Schwarz (20')
- GREN Resilience WG update: Harold/Steve/Erik-Jan

NomCom

- Alexander Van Den Hil - NomCom chair

Leadership Team update

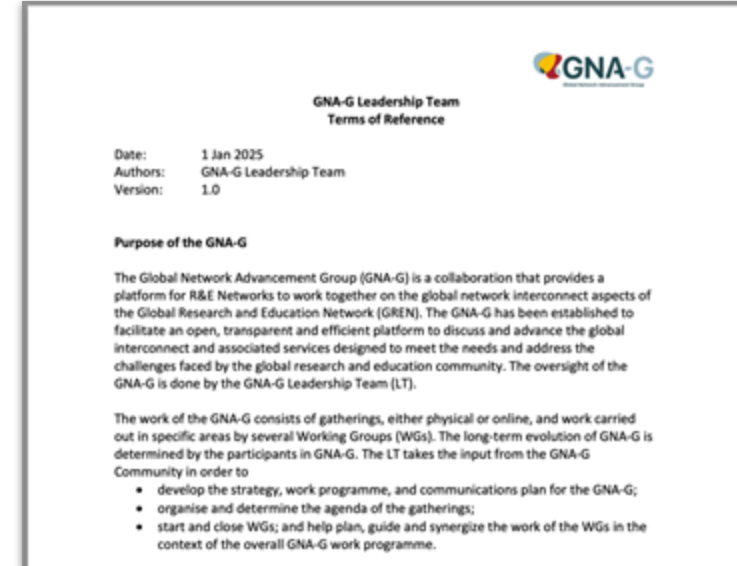
New document: Terms of Reference

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



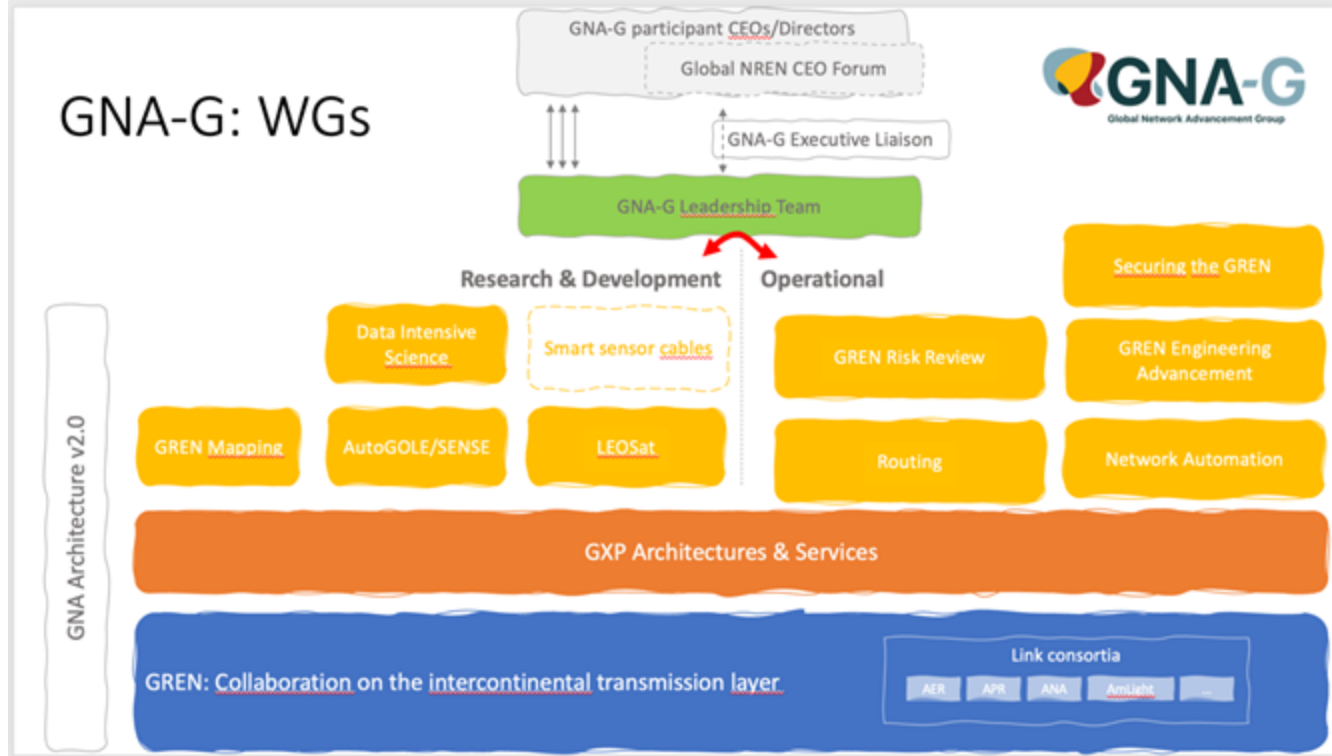
The motivation:

- 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



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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 and wrap-up

Upcoming events

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



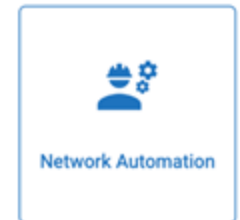
Credit: SeanPavonePhoto

GNA-G Working Groups



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

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



New

GRE Resilience: gren-resilience-wg@lists.gna-g.net

How can you get involved?

Join the GNA-G Community mailing-list: 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



Thank you

<https://www.gna-g.net/>
leadershipteam@lists.gna-g.net

Next Community VCs:

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VC #2: Thu 10/04 – 6-8pm UTC