

Global Network Advancement: Today and Tomorrow

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

GNA-G Leadership Team

3 March 2024 GNA-G Side Meeting, I2CX, Chicago USA

Agenda



- Welcome (5')
- GNA-G Leadership Team update (5')
- Introduction to the Security Bootcamps WG Ana Alves (GEANT) (15')
- Update from GREN Engineering Advancement WG Chris Wilkinson (Internet2) (15')
- MetrANOVA Edward Balas (ESnet) (15')
- Conclusion (5')

Our vision



A unified global advanced network infrastructure to support the unique needs of research and education.

Our mission



The GNA-G:

- embodies a vision for international collaboration of the global research and education (R&E) networks

The Global R&E network:

a large and diverse set of networks with differences in speed, accessibility, and capacity

GNA-G's purpose:

- to build on the work of GNA and GLIF to make interconnection of networks more effective for dataintensive research and education

Goals:

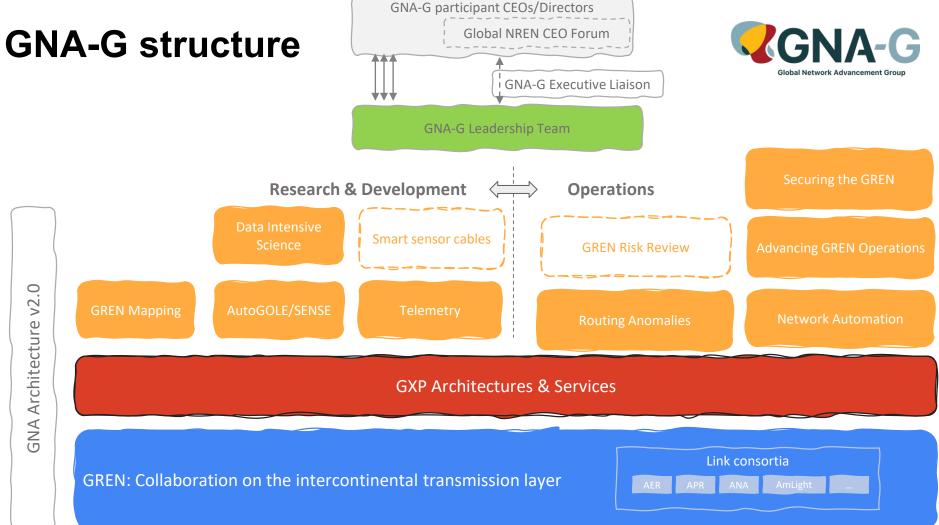
- <u>Develop innovative architectures, services, and models</u> for more effective use of GREN resources;
- Provide <u>testbed resources</u> for the demonstration of future capabilities;
- Agree on a blueprint for aligning equitable spending on intercontinental bandwidth for greatest value;
- Advance data movement capabilities and end-to-end experience;
- Provide a <u>forum</u> which brings together researchers, National Research and Education Networks (NRENs), Global eXchange Point (GXP) operators, regional and other R&E providers;
- <u>Promote awareness</u> of the capability, reach and connectedness of the Global R&E Network.

GNA-G - what is it?



A global **network** testbed for innovation

Action-oriented Working-Groups to develop the GREN A forum for discussion between operators, researchers and users of the GREN



GNA-G Working Groups



- AutoGOLE/SENSE: autogole@lists.gna-g.net
- GREN Map: 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
- GREN Engineering Advancement: gren-engineering-wg@lists.gna-g.net
- NomCom: nomcom@lists.gna-g.net



Securing the GREN













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



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Conclusion

GNA-G meetings

Meetings planned for 2024 (so far):

- 1. Internet2 Community Exchange (5-7 Mar Chicago, USA)
 - Side Meeting Tuesday 5 March, 12-1pm
 - Presentation Tuesday 5 March, 1:30-2pm
- 2. Community VCs (via Zoom)
 - Tue 16 April 8-10pm UTC / Thu 18 April 6-8am UTC
- 3. TNC24 (10-14 June Rennes, France)
 - GNA-G full meeting: Monday 10 June, 2-5.30pm
 - Network Automation WG: Monday 10 June, 9am-12.30pm
 - WFO users meeting: Monday 10 June, 2-5.30pm





Full details: https://www.gna-g.net/meeting/



How can you get involved?

Join the GNA-G Community mailing-list:

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



Thank you