



Welcome to **GNA-G Meeting at SC24**

GNA-G Leadership Team:


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

Wed, 20 November 2024 - 12pm-2pm (5pm - 7pm UTC)

SC24 - Georgia World Congress Center, Atlanta, GA, USA - Room B407

Agenda



- **Welcome, Agenda (5')**
- Data Intensive Science WG (15') - Harvey Newman (Caltech)
- Global LEOSat WG (15') - Erik-Jan Bos (NORDUnet)
- New GREN Resilience WG (15') - Harold Teunissen (SURF)  **New**
- AutoGOLE/SENSE WG (15') - Tom Lehman (ESnet)
- Automation WG (15') - Migiel de Vos (SURF)
- GREN Engineering Advancement WG (15') - Chris Wilkinson (Internet2)
- ANA-GRAM: Federating the ANA links through automation (15') – Arno Bakker (SURF), Chris Wilkinson (Internet2)
- Q&A, discussion about GNA Roadmap for 2025 & looking ahead & conclusion (10')

GNA-G LT Update

Planned in-person meetings for 2024-2025:

1. In person

- SC24 (Nov 2024 - Atlanta, USA) - **Thanks for joining today!**
 - **Wed 20 Nov 2024: 12-2pm**
- I2TX (Dec 2024 - Boston, USA)
 - **Tue 10 Dec 2024: 7-8.30am**

2. Community VCs

- **December 2024**
 - VC #1: Tue 17 December – 6-8am UTC
 - VC #2: Thu 19 December – 6-8pm UTC



GNA-G LT Update



Community Meetings and VCs

- Dec 10 - Community Meeting at **Internet2 TechEx**, Boston, MA, USA
- Nov 20 - Community Meeting at **SC24**, Atlanta, GA, USA
- Nov 12 - Community VCs Q4 2024
- Oct 29 - Community VCs Q3 2024
- Aug 27 - GNA Update at **APAN58**, Islamabad, Pakistan
- Jun 10 - GNA-G Network Automation Working Group - Side Meeting at **TNC24**
- Jun 10 - Community Meeting at **TNC24**
- Mar 5 - Community Meeting at 2024 **Internet2 Community Exchange**
- Feb 21 - Community Meeting at **SuperComputing Asia 2024**
- Feb 13 - Community VCs Q1 2024

GNA-G Working Groups



<https://www.gna-g.net/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
- **Securing the GREN:** securing-the-gren-wg@lists.gna-g.net
- **Global LEOSat:** global-leosat-wg@lists.gna-g.net
- **NomCom:** nomcom@lists.gna-g.net



New

GREN Resilience

GNA-G LT Update



GNA @ SC24

- GNA projects & demonstrations at Caltech booth # 845



SC24 Caltech booth Schedule

GNA-G LT Update



SC24 - Caltech/GNA-G Booth 845 | Agenda

[Link to Zoom stream](#)
(for presentations at the booth only; entries in green are at the SCinet Theater)



Tuesday, November 19

10:30 AM	Title:		
	Presenter:		Link
10:55 AM	Title:		
	Presenter:		Link
11:20 AM	Title:		
	Presenter:		Link
11:45 AM	Title:		
	Presenter:		Link
1:30 PM	The Global Research Platform, StarLight, and SC24 NREs		
	Joe Mambretti		Link
3:00 PM	Tbps WAN Services for Global Data Intensive Science		At SCinet Theater
	Joe Mambretti		
3:20 PM	Global Research Platform		At SCinet Theater
	Joe Mambretti		
3:40 PM	Global Network Advancement Group		At SCinet Theater
	Harvey Newman		
4:00 PM	GNA-G Data Intensive Sciences Working Group		At SCinet Theater
	Harvey Newman		
4:20 PM	Network control that makes SENSE		At SCinet Theater
	Justas Balcas		
4:40 PM	High-Speed data transfers from South Africa to USA!		At SCinet Theater
	Kassandra Pillay		
5:00 PM	Hecate interfacing with POLKA		At SCinet Theater
	Marlam Kiran, Polka team		
5:40 PM	GP4L: 100G Software Routing using VPP in FABRIC		
	Marcos Schwarz		Link

Wednesday, November 20

10:30 AM	SANReN's 100 Gbps Data Transfer Service: Transferring data fast		
	Kassandra Pillay		Link
10:55 AM			
11:20 AM	Command, Control, Conquer: The Art of Network Control		
	Tom Lehman, Xi Yang, Justas Balcas		Link
12:00 PM			
	GNA-G side-meeting @ SC24		Room B407
2:00 PM			
2:20 PM	PolKA routing approach to support traffic steering for data-intensive science		
	Magnos Martinello		Link
2:45 PM	AmLight Exp: Flexible control, deep visibility, and programmability at SC24		
	Julio Ibarra		Link
3:40 PM	SENSE Services for Data Movement Systems (XRrootd, dCache) (ESnet)		At SCinet Theater
	Tom Lehman, Xi Yang, Justas Balcas		
4:00 PM	High-performance networking with rednesp's BackboneSP linking 8 Universities		At SCinet Theater
	Bruno Baldim, Rogério Mottsuki		
4:00 PM	Title: HPC Ecosystems Project		
	Presenter: Lara Timm		Link
4:20 PM	Evergreen Distributed Testbed for Data Intensive Science - CENI (Ciena Environment for Network Innovation)		At SCinet Theater
	Joe Mambretti, Scott Kohlert		
4:50 PM	Title:		
	Presenter:		Link
5:15 PM	Title:		
	Presenter:		Link
5:40 PM	GP4L: Global Platform for Labs		At SCinet Theater
	Marcos Schwarz		

Thursday, November 21

10:15 AM	Title:		
	Presenter:		Link
10:40 AM	Title:		
	Presenter:		Link
11:05 AM	High-performance networking with rednesp's BackboneSP linking 8 Universities		
	Rogério Mottsuki		Link
11:30 AM	Title:		
	Presenter:		Link

Bandwidth Tsunami will start around noon



SC24 Caltech booth Schedule

GNA-G LT Update



GNA-G Community Meeting at 2024 Internet2 Technology Exchange

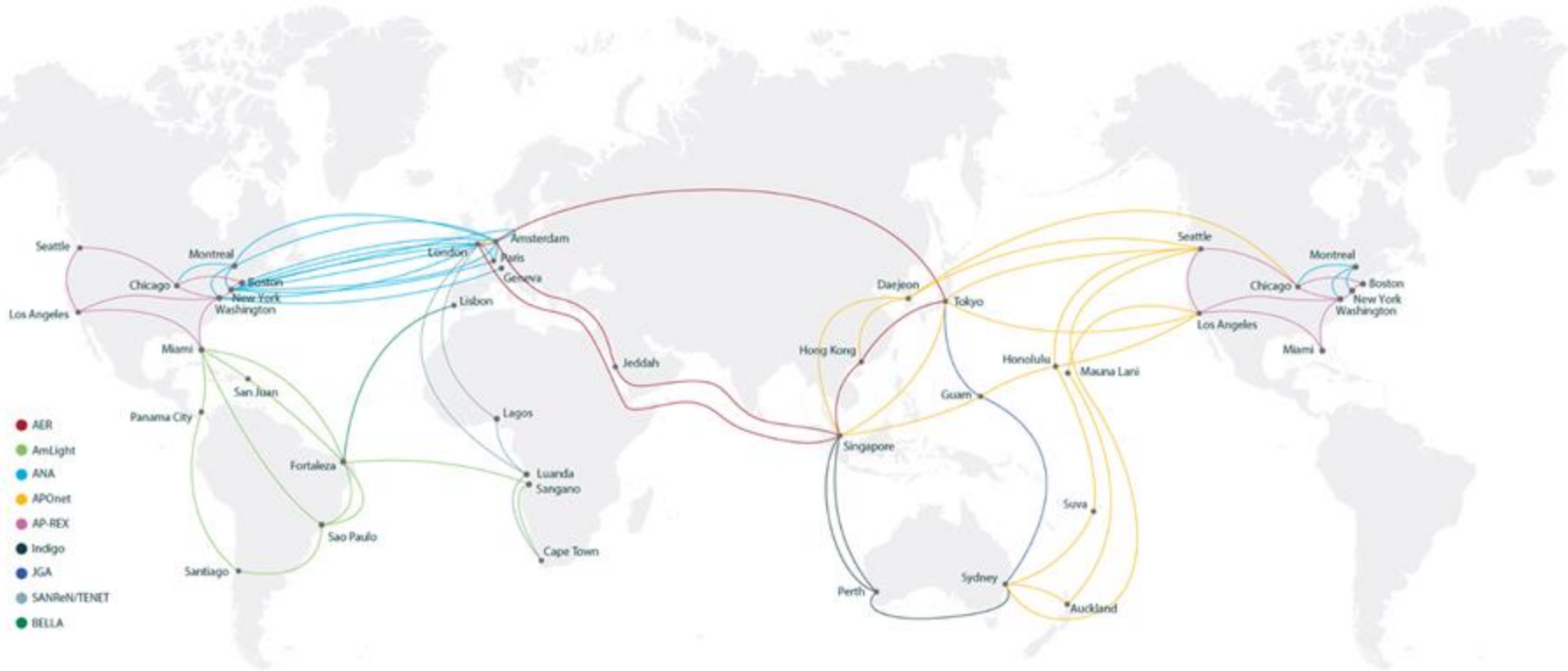
- **December 10, 2024 7:00 am - December 10, 2024 - 8:30 am**
- **Boston Marriott Copley Place, Boston, MA, USA**
- Meetings are open to all the Global R&E Community

Agenda

- Welcome, introduction - Ivana Golub, PSNC
- Welcome from the host - Howard Pfeffer, Internet2
- Collaborative platforms - presentations:
 - perfSONAR - Andrew Lake, ESnet
 - MetrANOVA - Edward Balas, ESnet
 - Global Platform for Labs - GP4L - Sonja Filiposka, UKIM

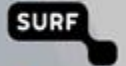
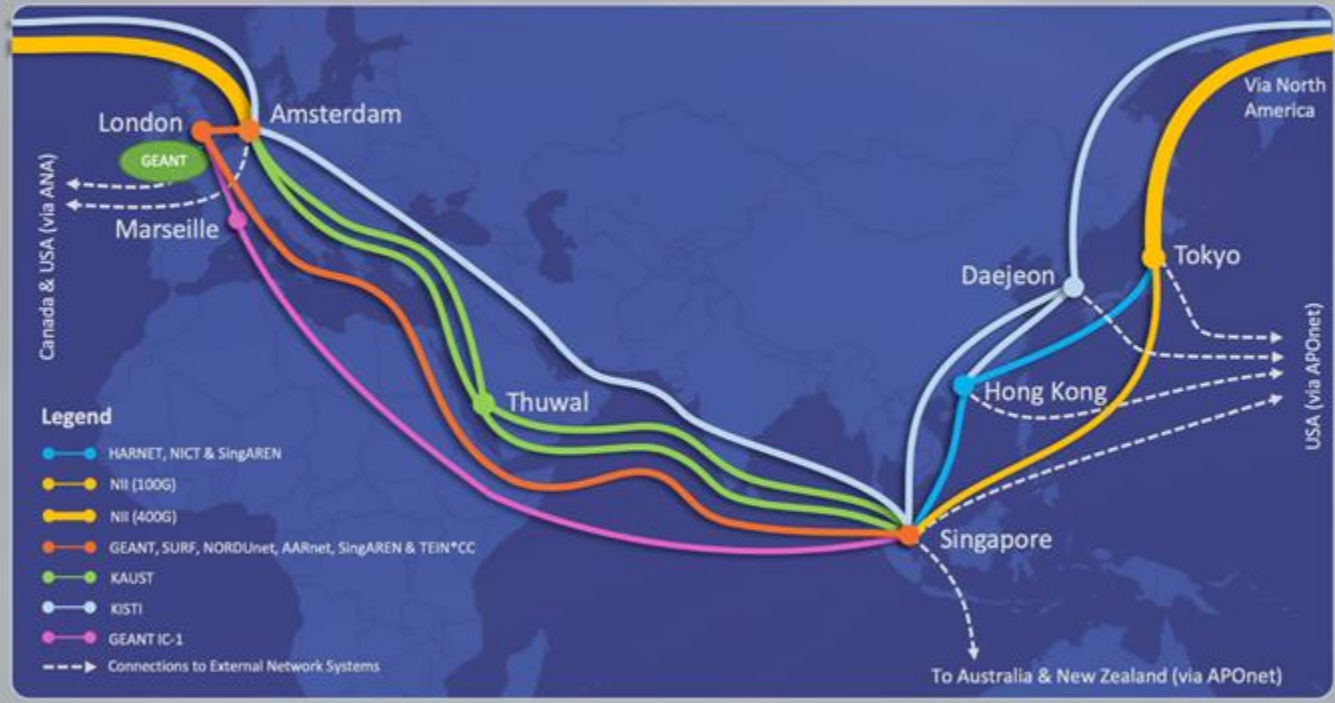


Global Research and Education Networks

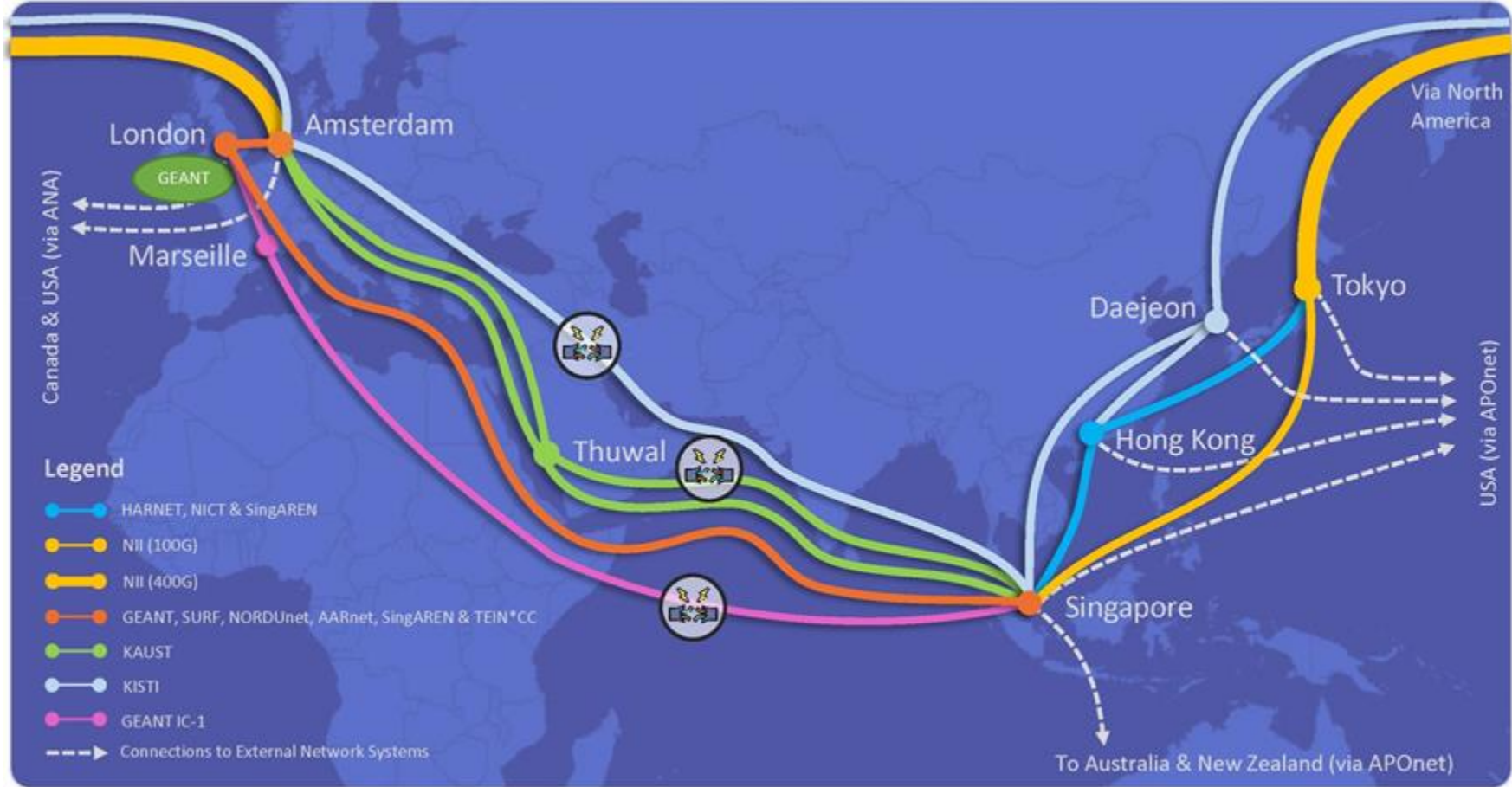


AER

ASIA-PACIFIC
EUROPE RING



<https://aer-network.net/>



Status



Fiber Cut



Fault



Planned Maintenance

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!

December 2024

Community Meeting

2024 Internet2 TechEx: Tue 10 December 2024 – 7-8:30am (12-1:30pm UTC)

Community VCs

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