



Global Network Advancement Group

# Welcome to the **GNA-G Community Community VC Q4**

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Tue, 5 Dec 2023: 6am - 8am UTC

Wed, 6 Dec 2023: 8pm - 10pm UTC



# 1. Opening & Welcome

# Agenda



## 1. Opening

5'

## 2. LT update

15'

## 3. SC23 presentations:

### 1. NRE 1 – SC23 Caltech path to high throughput

Harvey Newman / Raimondas Sirvinskas

25'

### 2. NRE 2 – Global P4 Lab and Digital twin - Marcos Schwarz

25'

### 3. NRE 3 – PolKA routing approach to support traffic engineering

for data-intensive science – Rafael Silva Guimarães

25'

### 4. SCinet – Brenna Meade

25'



## 2. LT update

# GNA-G LT Update



## Meetings In 2023:

1. Community VCs Q1a 2023, February 15, 2023 - WG update
2. Community VCs Q1b 2023, February 28, 2023 - DIS and AutoGOLE/SENSE WG
3. Network Automation Working Group Workshop, June 2023, Utrecht, Netherlands
4. Side Meeting @TNC23, June 2023, Tirana, Albania
5. Community VCs Q2 2023, June 26 2023 - GREN Security
6. GNA-G Update at APAN56, August 2023, Colombo, Sri Lanka
7. Side Meeting at TechEx 2023, Minneapolis MN, USA
8. Side meeting at SC23, Denver CO, USA



# GNA-G LT Update

## Future Meetings:

1. GNA-G Community VCs :

VC#1: Tue, 5/Dec/23, 6am-8am UTC

VC #2: Wed, 6/Dec/23 , 8pm-10pm UTC

2. Side meeting @ SCAsia - TBC

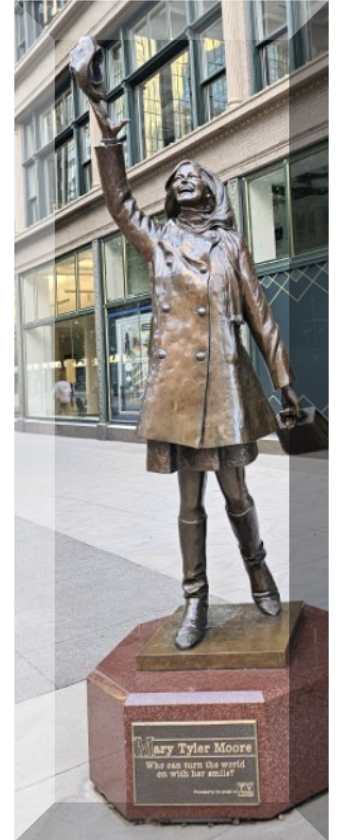
19-22 Feb 24 - Sydney, Australia

3. Side meeting @ Internet2 Community Exchange - CONFIRMED

5-7 Mar 24 - Chicago, USA

3. Side meeting @ TNC24 - PLANNED

10-14 June 24 - Rennes, France



# GNA-G Working Groups

- AutoGOLE/SENSE
- Data Intensive Science
- GREN Map
- Network Automation
- GNA-G Routing WG
- GREN Engineering Advancement **NEW** from Feb 2023
- GREN Connecting Offshore Students closed in Feb 2023
- NomCom

## Proposed in Feb 2023:

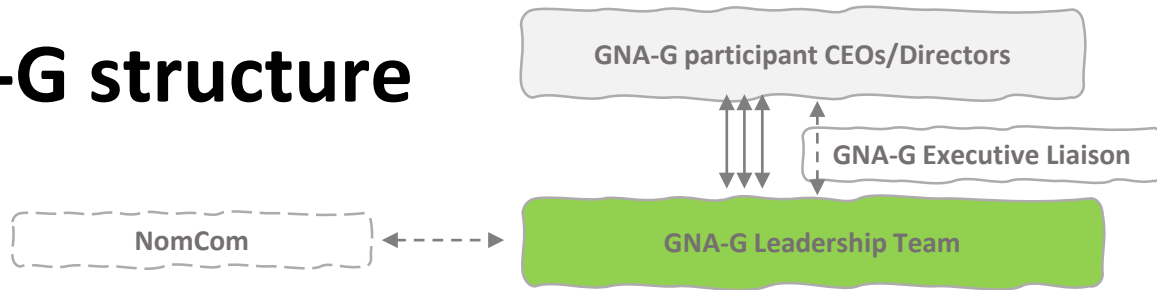
- Subsea cable sensing and smart cables
- Securing the Global R&E Network
- GREN Risk Review

## Proposed at TNC23:

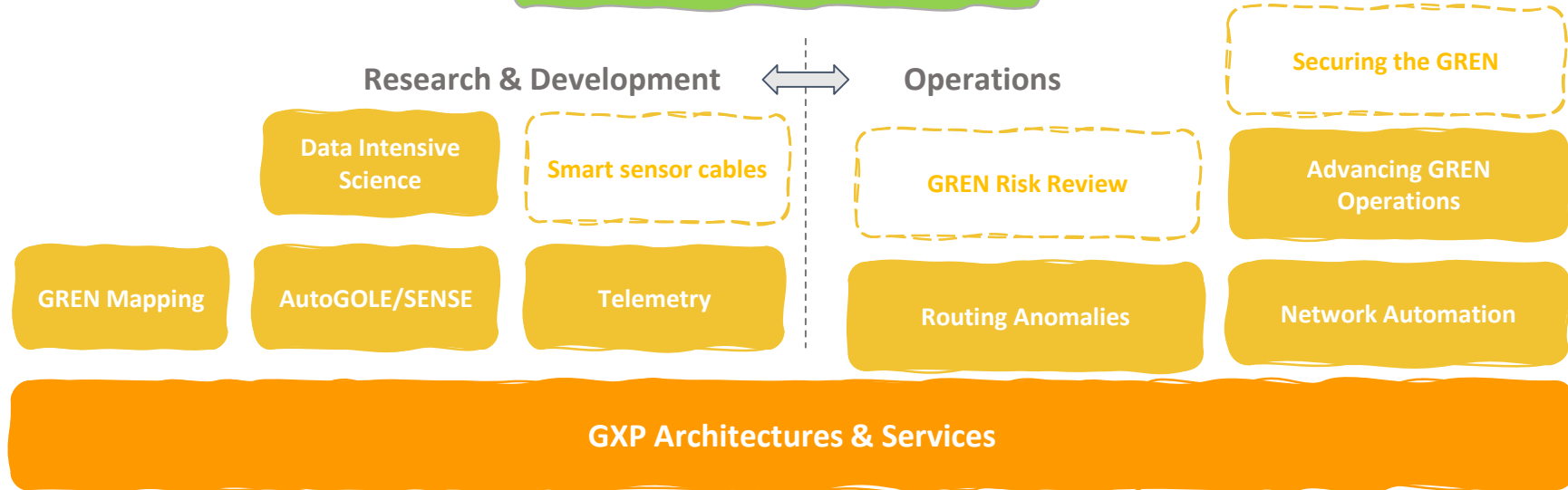
- Global architecture
- Packet layer renewal
- Big science engagement



# GNA-G structure



GNA Architecture v2.0







## 3. SC23 presentations

1. NRE 1 – SC23 Caltech path to high throughput  
Harvey Newman / Raimondas Sirvinskas 25'
2. NRE 2 – Global P4 Lab and Digital twin - Marcos Schwarz 25'
3. NRE 3 – PoIKA routing approach to support traffic engineering  
for data-intensive science – Rafael Silva Guimarães 25'
4. SCinet – Brenna Meade  
25'



## **5. Wrap-up**

# Future meeting ideas?

1. ESnet high-touch / telemetry
2. FCCN (Portuguese NREN) - telemetry
3. Telemetry - Jeronimo Bezerra
4. Telemetry - John Graham - NRP
5. CESNET - security tools
6. NeMo DDoS detection and prevention tool
7. Actions proposals based on the TNC23 workshop - Chin, Mian
8. New WG proposal - International Connectivity and Network Renewal - Sebastiano?
9. GREN Map
10. Global P4Lab
11. Packet layer renewal - AARnet, Geant, ESNet, Canarie...
12. MetrANOVA
13. ...
14. **What would you like?**

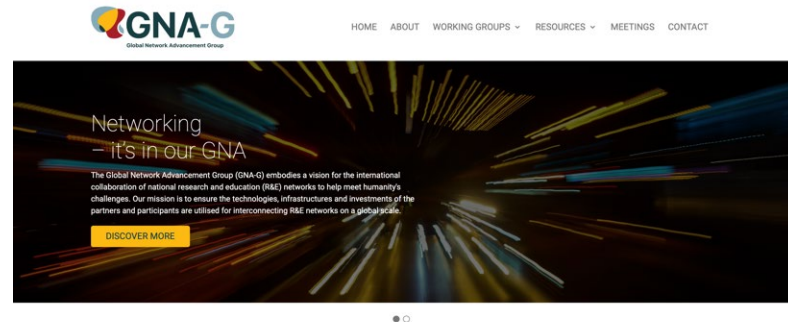


# Closure

Participate!

Visit our website:

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



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

Join a working-group!



**Thank you for participating!**

**Please mark your calendars**

Our [next in-person event](#) will be at Internet2 ComEx  
Chicago, USA, March 5, 2024