



BCNET

Shared IT Services for Higher Education & Research

Conference 2018

NREN SIEM Deployment Project

Speakers: Alex Dow, Barb Carra, Jill Kowalchuk, Todd Williams and Ivor MacKay

Speakers

Alex Dow, Consultant
Mirai Security



Barb Carra, Chief Operating Officer
Cybera



Jill Kowalchuk, NREN Coordination Manager
CANARIE Inc.



Todd Williams, Executive Director
ACORN



Ivor MacKay, Manager, Information Technology
BCNET



Agenda

1. Background and terminology
 - a. What is SIEM (Security Information and Event Management). Why is it important to cybersecurity?
 - b. What is the NREN?

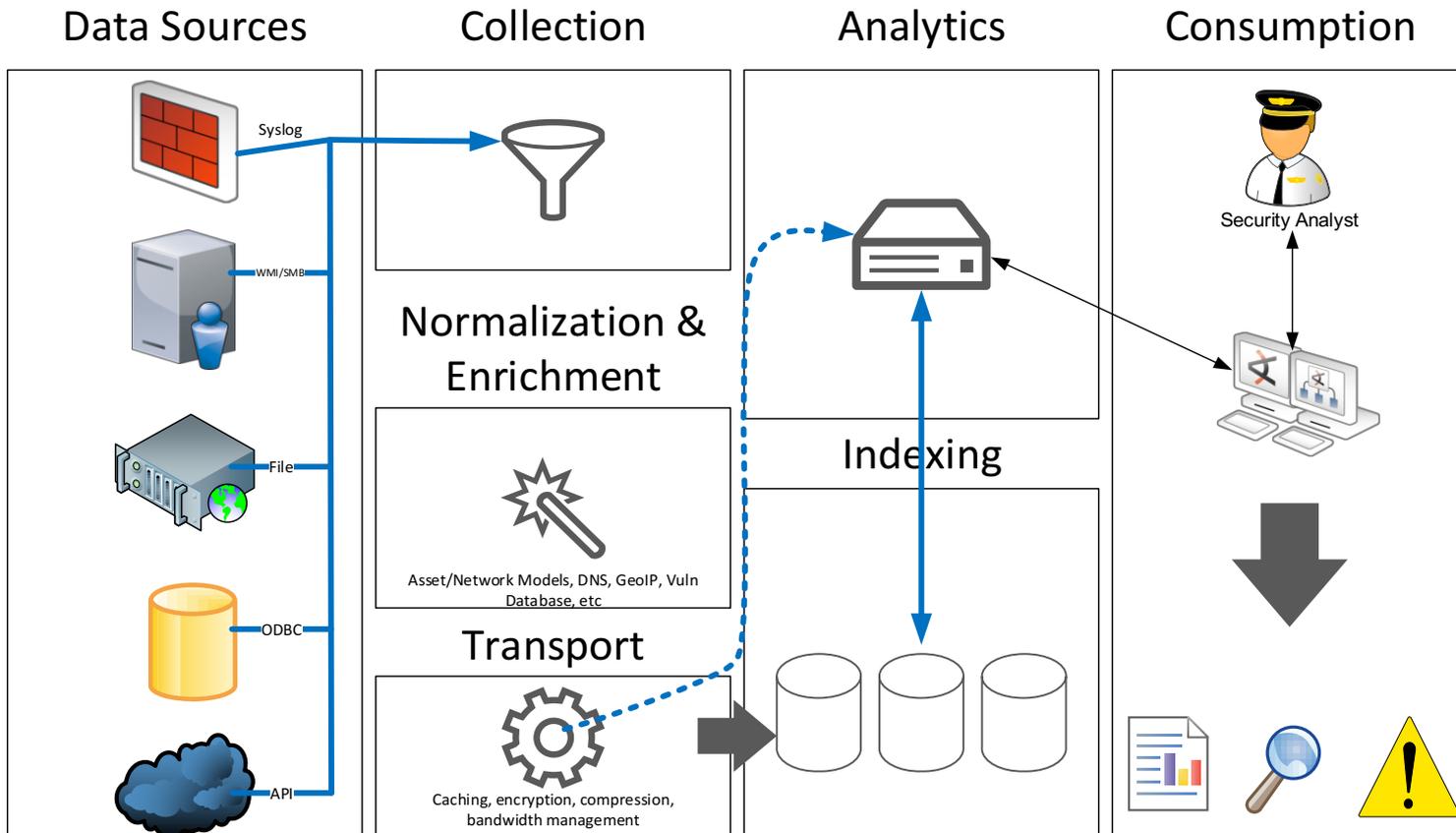
2. NREN SIEM Deployment Project
 - a. Background on how the project came about;
 - i. why the NREN is interested in security;
 - ii. why the SIEM project was chosen.
 - b. Description of the first phase of the project;
 - c. Description of second phase;
 - d. Future considerations;

Agenda cont'd

3. How is Cybera approaching the SIEM Project?
4. How is ACORN-NS approaching the SIEM project?
5. How is BCNET approaching the SIEM project?
6. Q&A
7. Workshop On SIEM
Thursday 9:00 am

Background and Terminology

What is SIEM (Security Information and Event Management) why is it important to cybersecurity?

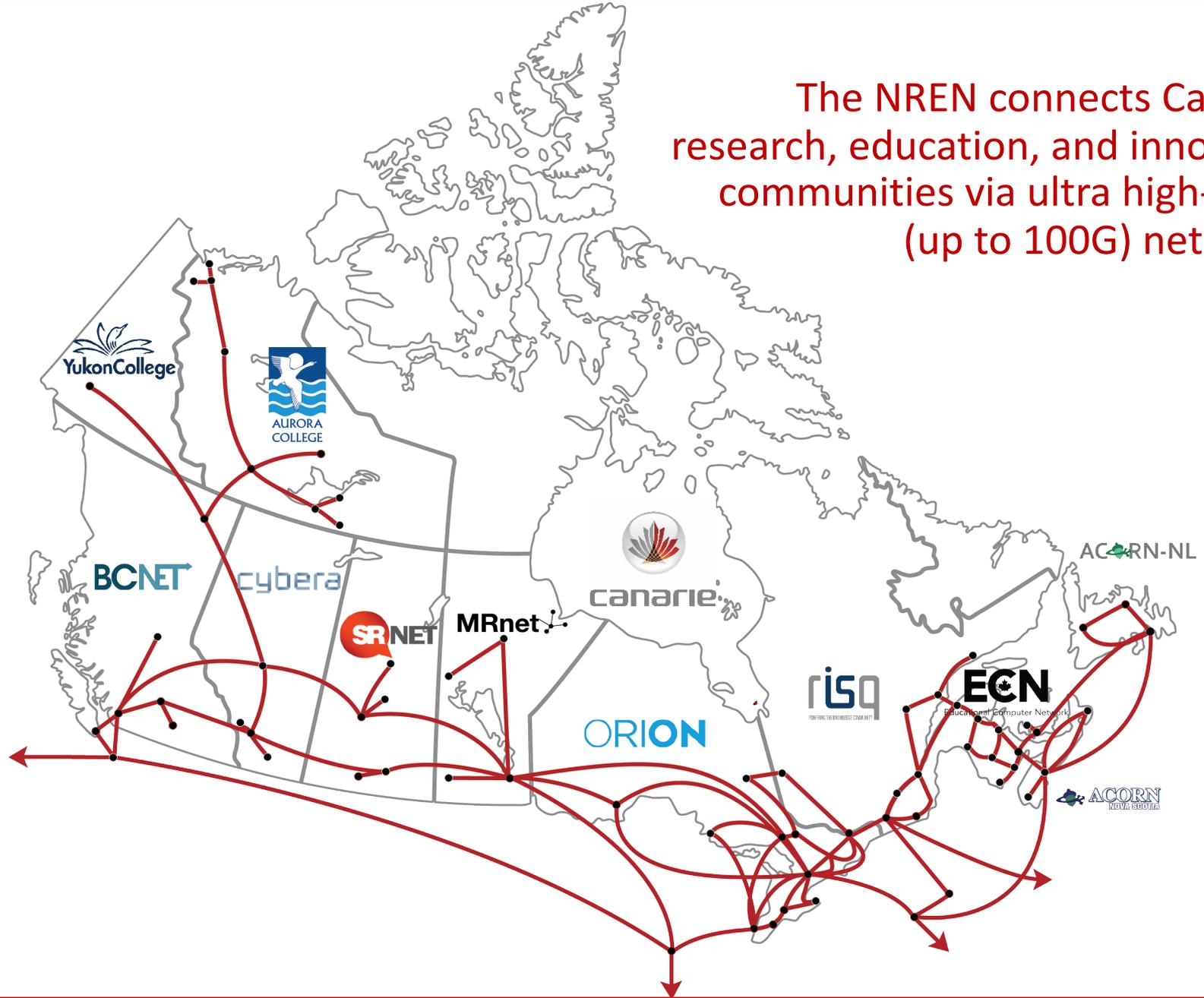




NREN SIEM Deployment Project

Jill Kowalchuk, NREN Coordination Manager | BCNET Conference | April 24, 2018

The NREN connects Canada's research, education, and innovation communities via ultra high-speed (up to 100G) networks.



The NREN makes access to global research instruments and vast data stores seamless so that distance is irrelevant.



- 30 Meter Telescope
- Large Hadron Collider
- Canadian Light Source



- Genomics Databases
- Neptune 2.0
- Worldwide sensor networks

How does the NREN operate?

Governed and managed by: **NREN Governance Committee**
(presidents of the provincial and territorial networks and of the federal partner, CANARIE)

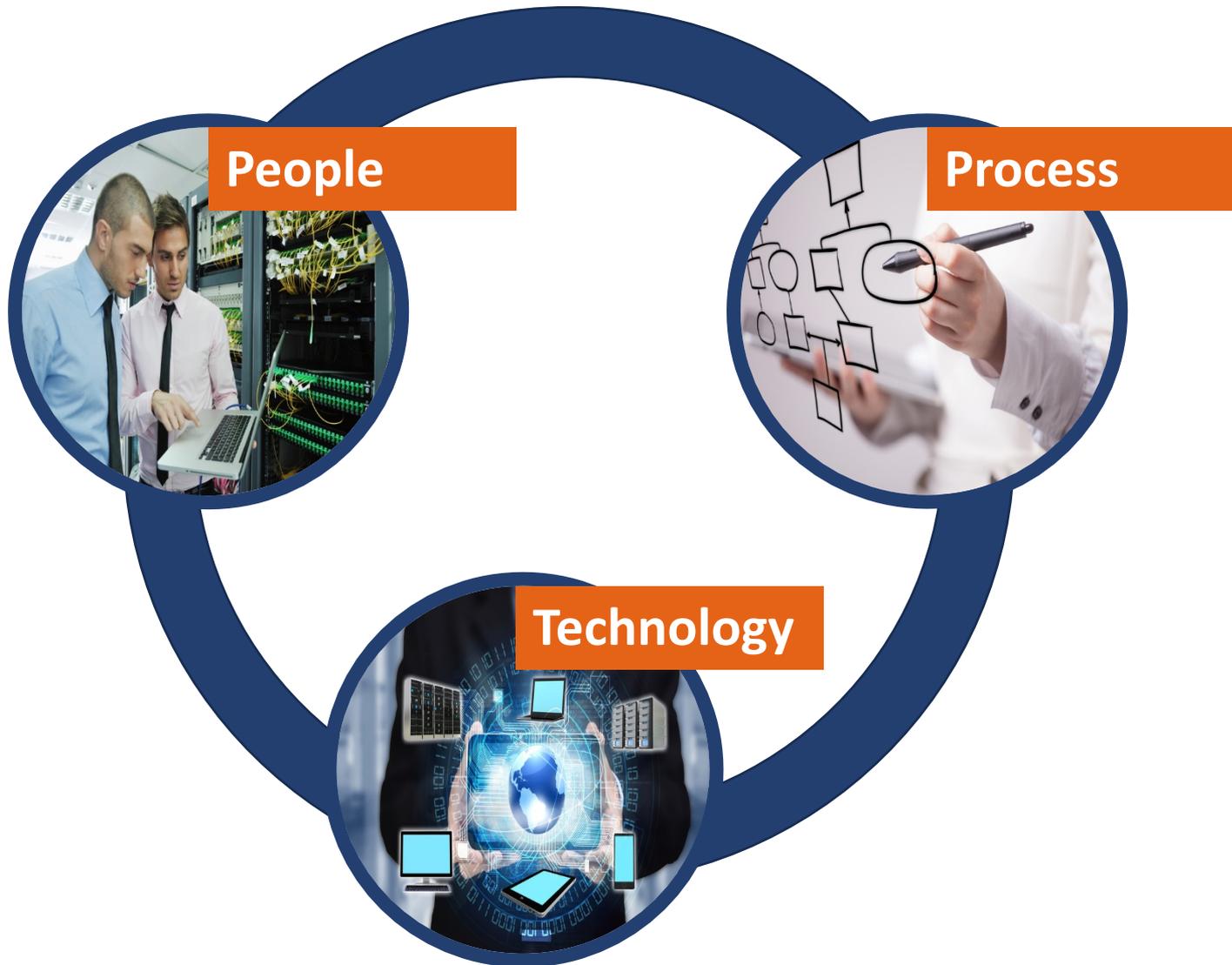
Initiatives guided by: **NREN Strategic Plan**
(priority projects that evolve the NREN and maximize its value for stakeholders)



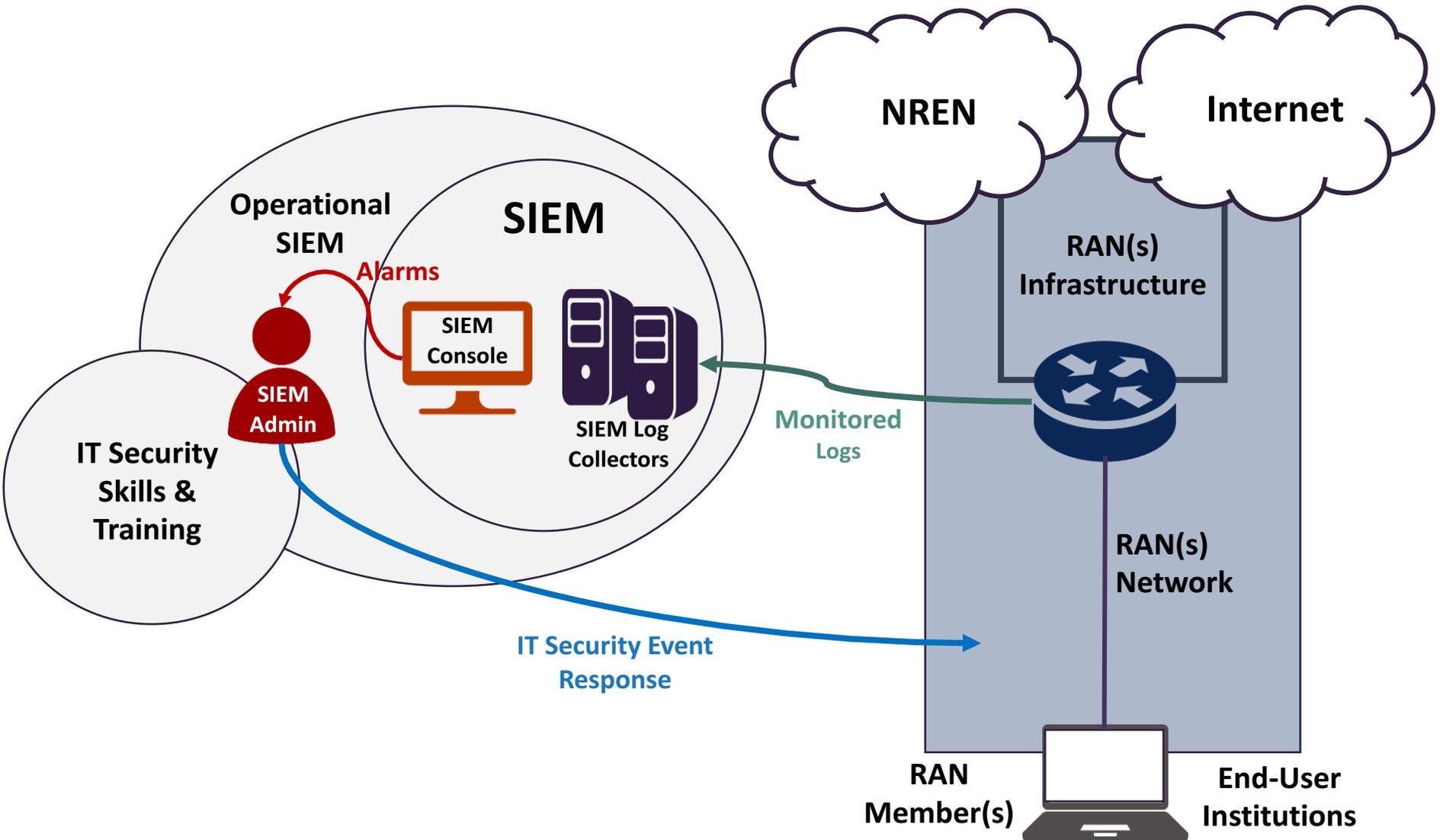
NREN Security



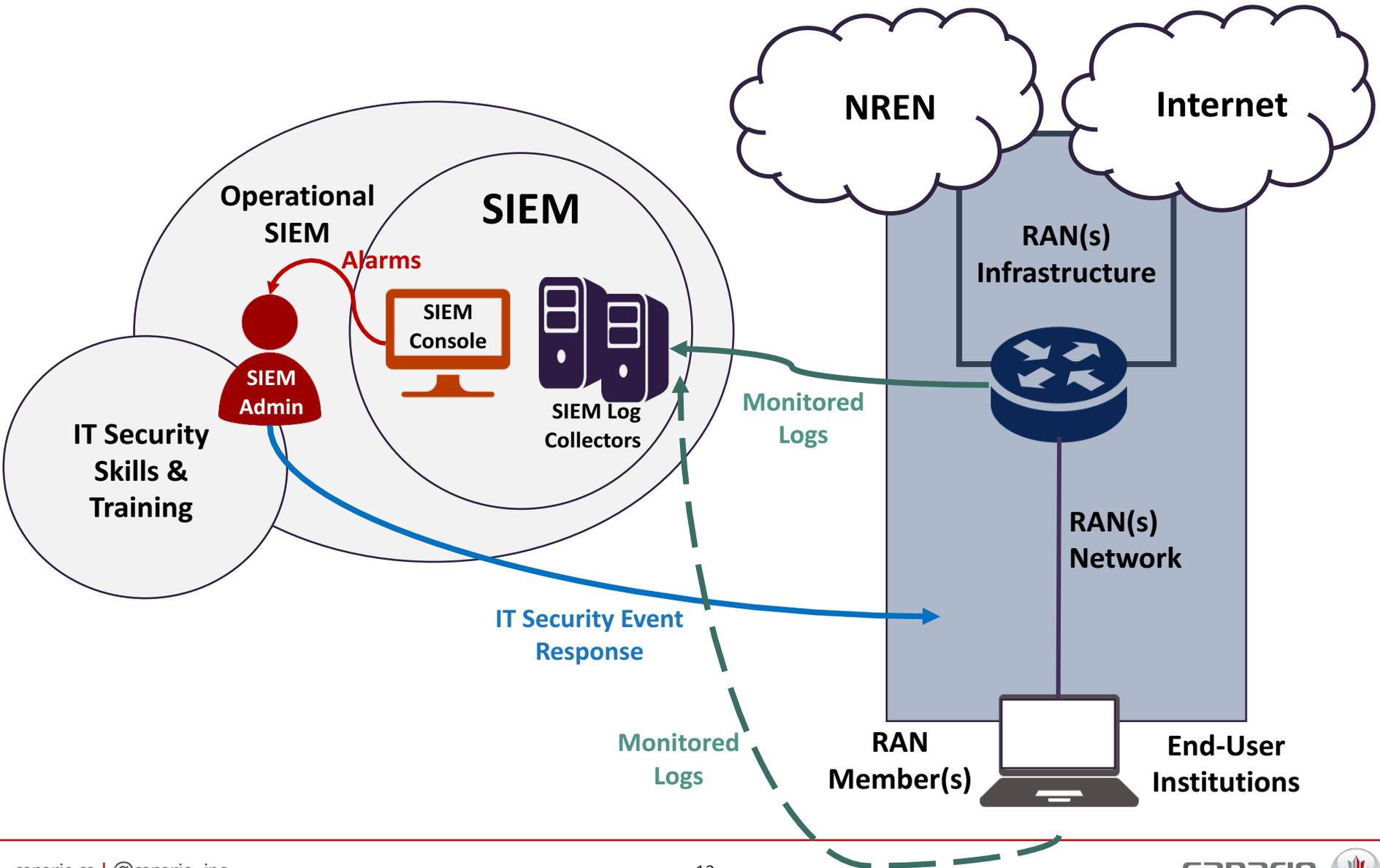
Security Information and Event Management (SIEM) Deployment Project



SIEM Deployment Project



SIEM Deployment Project & Institutions



Future Considerations

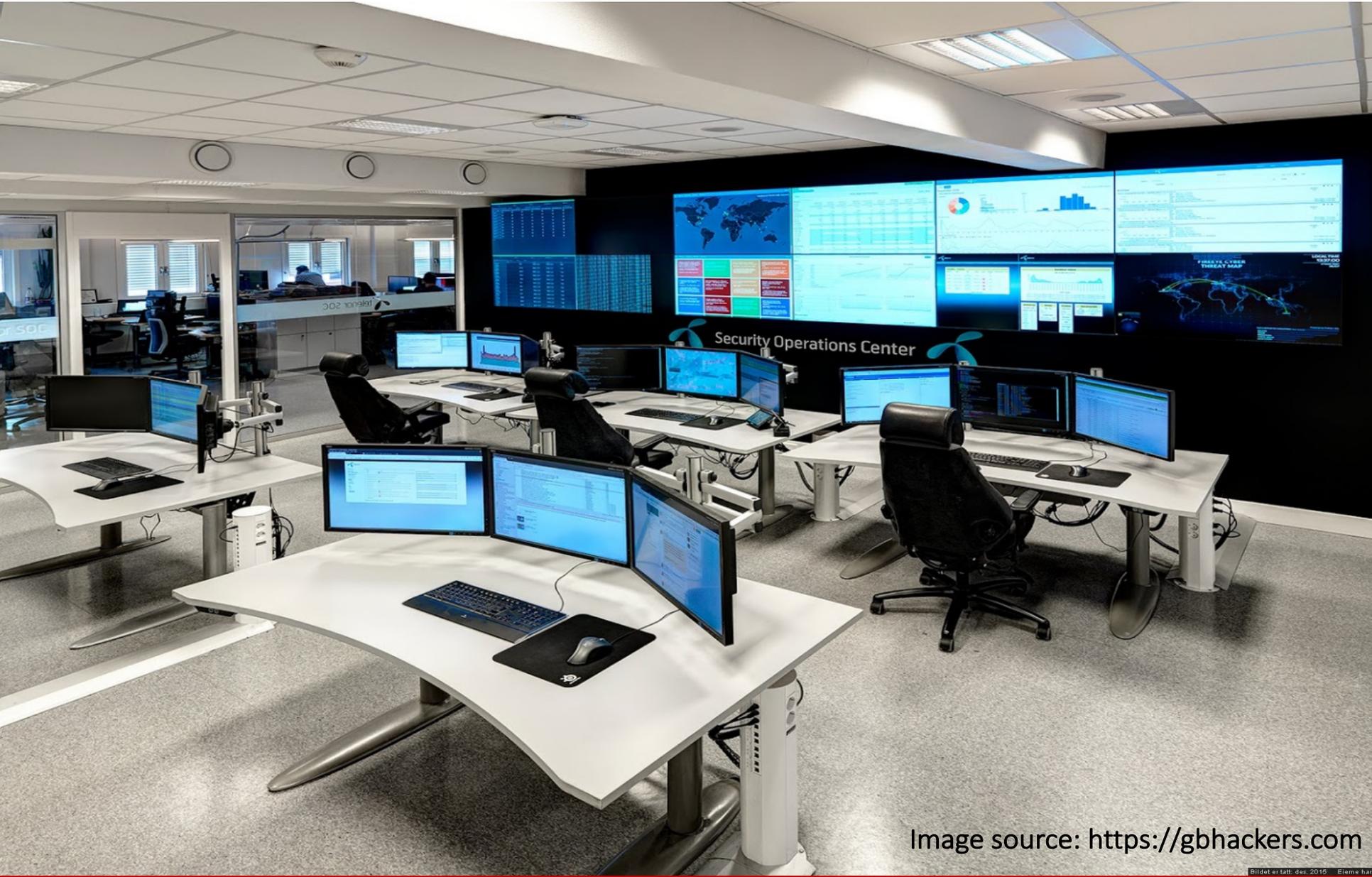


Image source: <https://gbhackers.com>



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The Other Regional Network Approaches

- How is Cybera approaching the SIEM Project?
- How is ACORN-NS approaching the SIEM project?
- How is BCNET approaching the SIEM project?

Q & A

A decorative graphic at the top of the slide features a network of interconnected nodes and lines in shades of blue and teal, set against a dark background.

Workshop On SIEM

Thursday 9:00 am