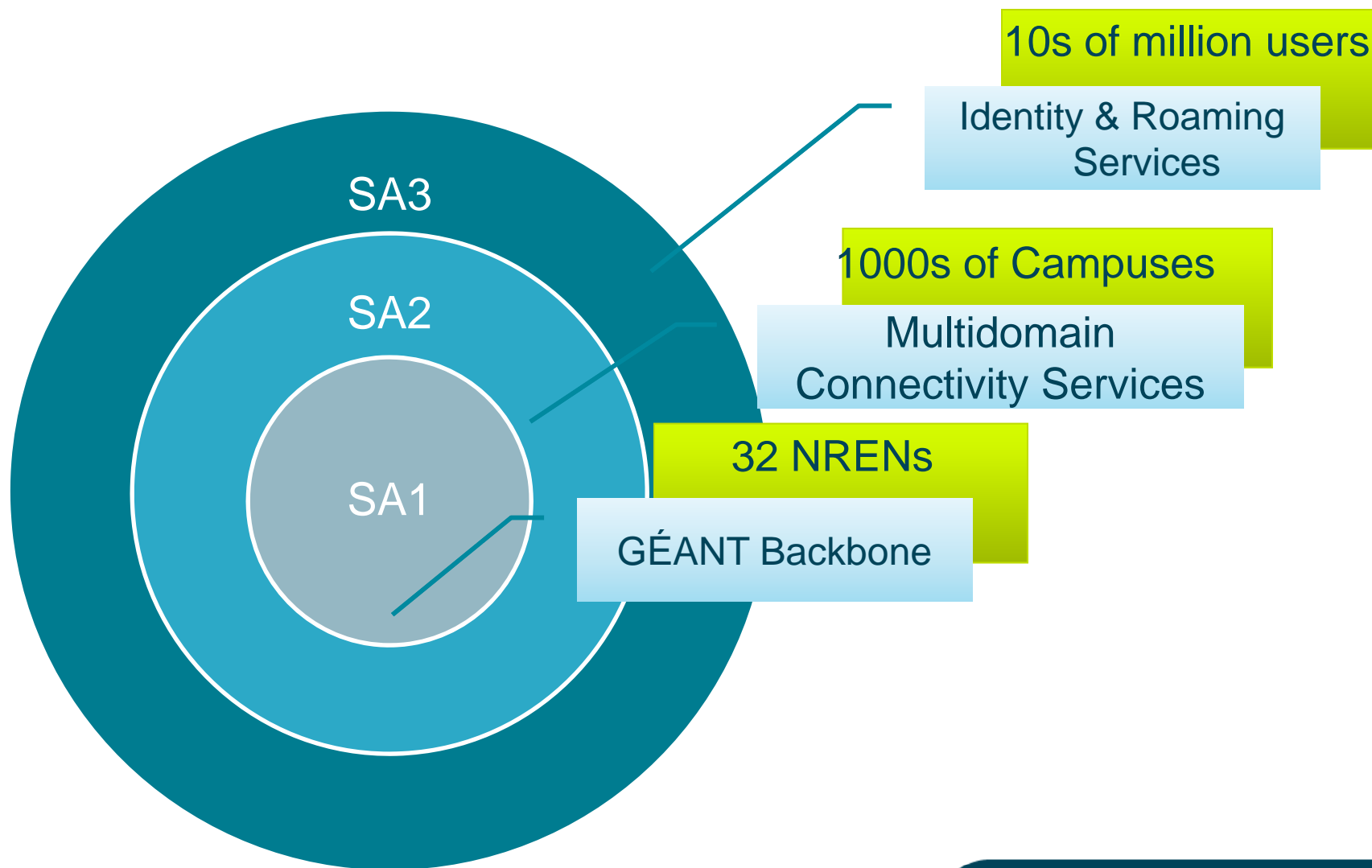


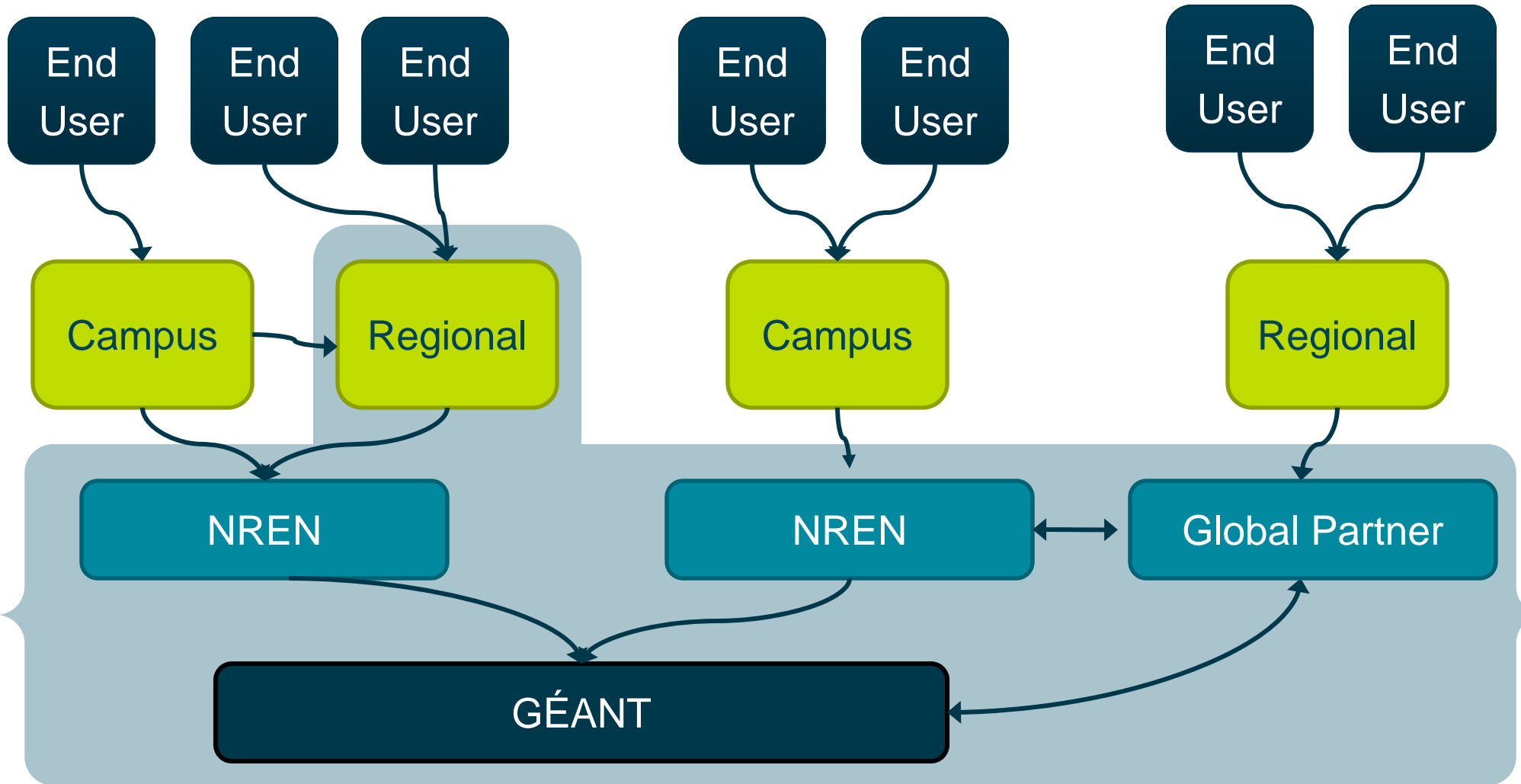
GN3 view on multi-domain services and its implications on NOCs

Ann Harding, SWITCH
TF-NOC
Zürich, June 2011

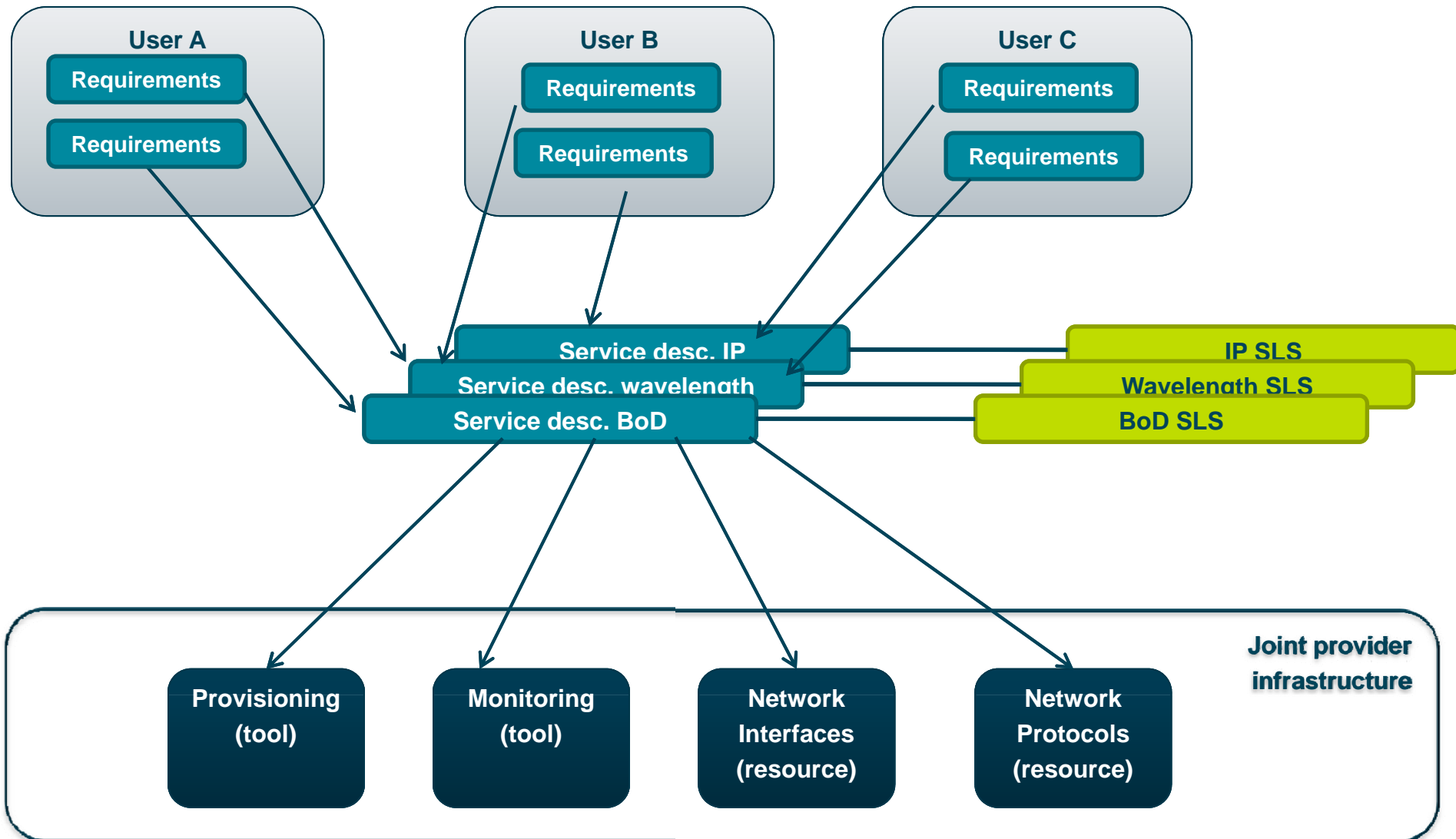
Background – Positioning Multidomain Services



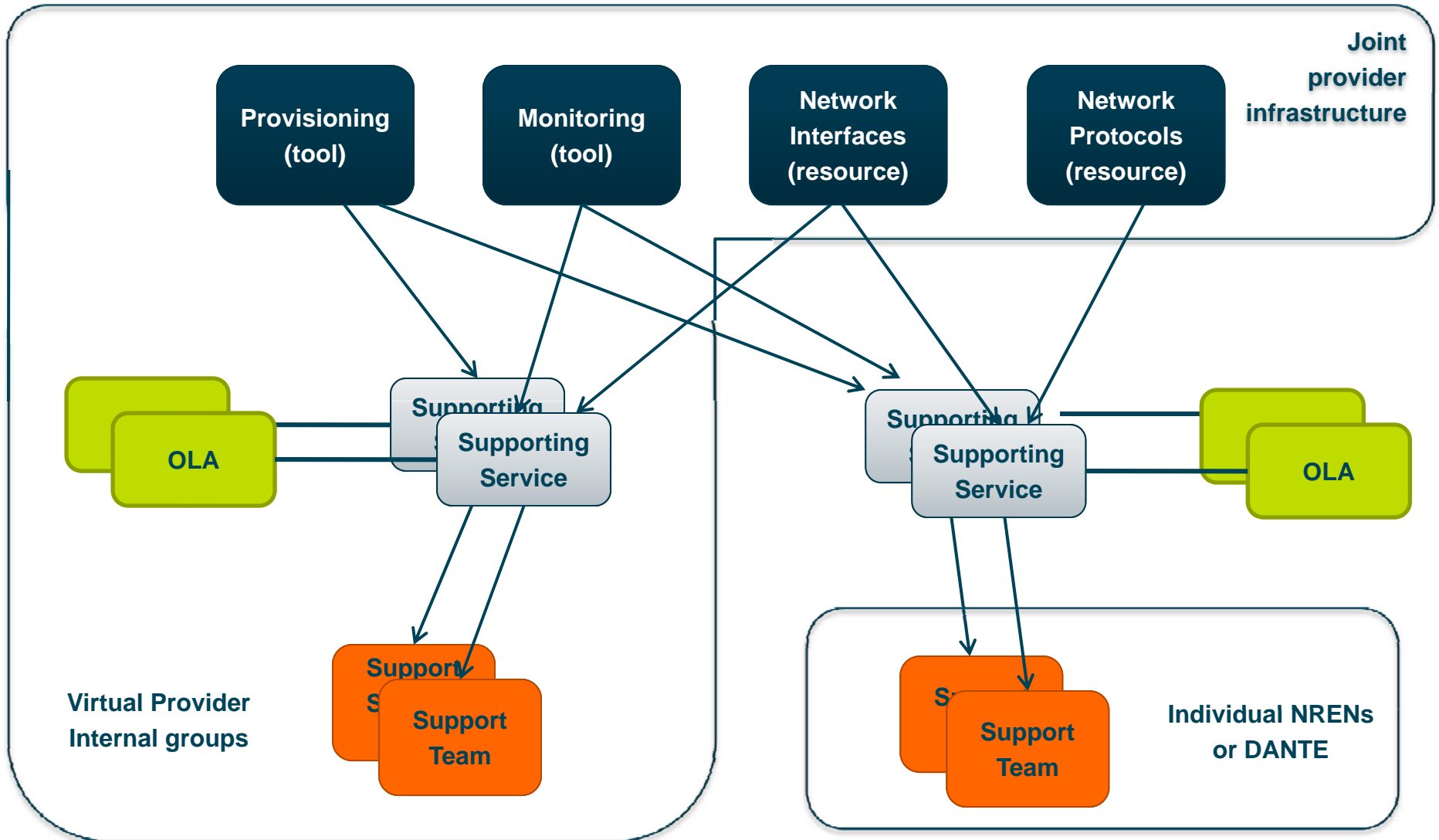
Principles of Multidomain Service Access



Principles of Multidomain Service Delivery



Principles of Multidomain Service Delivery



The Services



Multidomain Bandwidth on Demand

AutoBAHN, cNIS



Multidomain Wavelengths

I-SHARe, e2emon



Multidomain Monitoring

perfSONAR

Multi-domain is Multispecialist



Multi-domain Connectivity Services

- Design Service
- SLS
- Manage Business Service



Multi-domain Coordination & Operations

- Design processes for service
- Deliver coordination for processes & support
- Check operational quality



Monitoring Tools and Performance

- Deliver monitoring for services (perfSONAR)
- Deliver performance expertise (eduPERT)



Security

- Design security process for service
- Deliver coordination for security for service
- Deliver security expertise for tools and deployment



Workflow Tools

- Deliver software for tools
- AutoBAHN,, cNIS,
- I-SHARe
- Deliver 2nd/3rd line support for software

← 20 Partners, ~120 participants, 266MM →

Bandwidth on Demand Kickoff



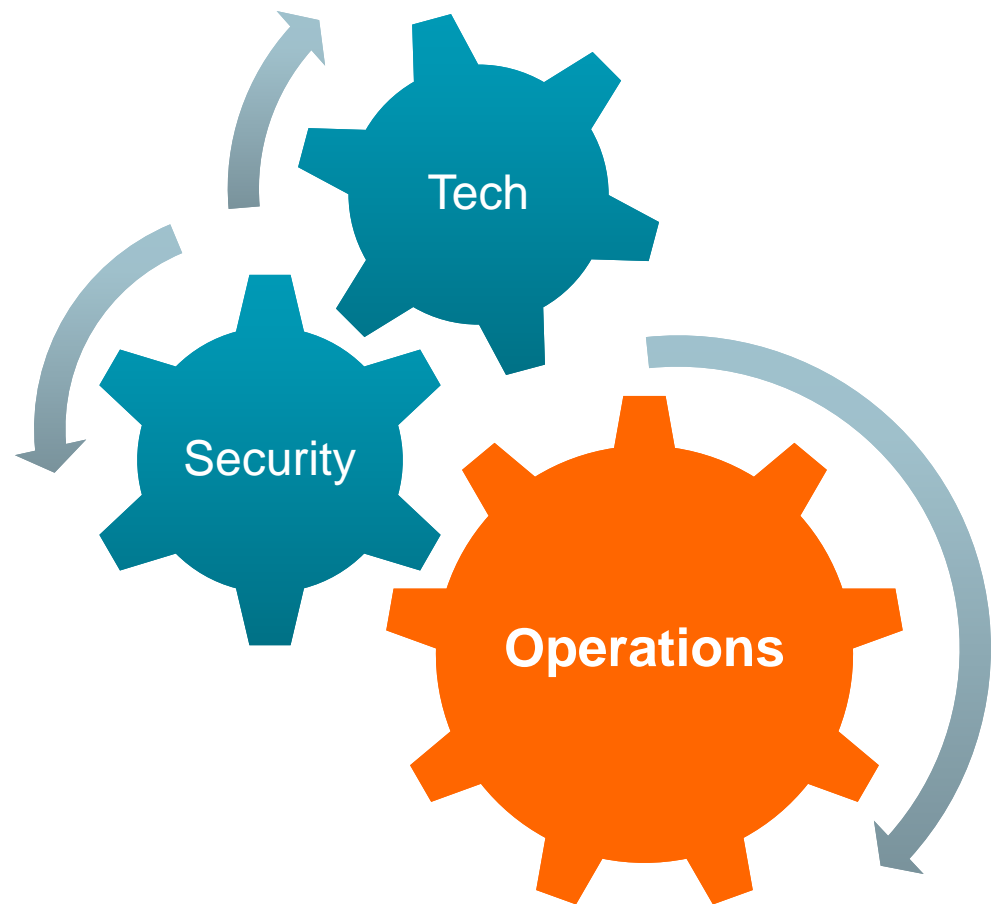
© Leonidas Pouloupoulos

connect • communicate • collaborate

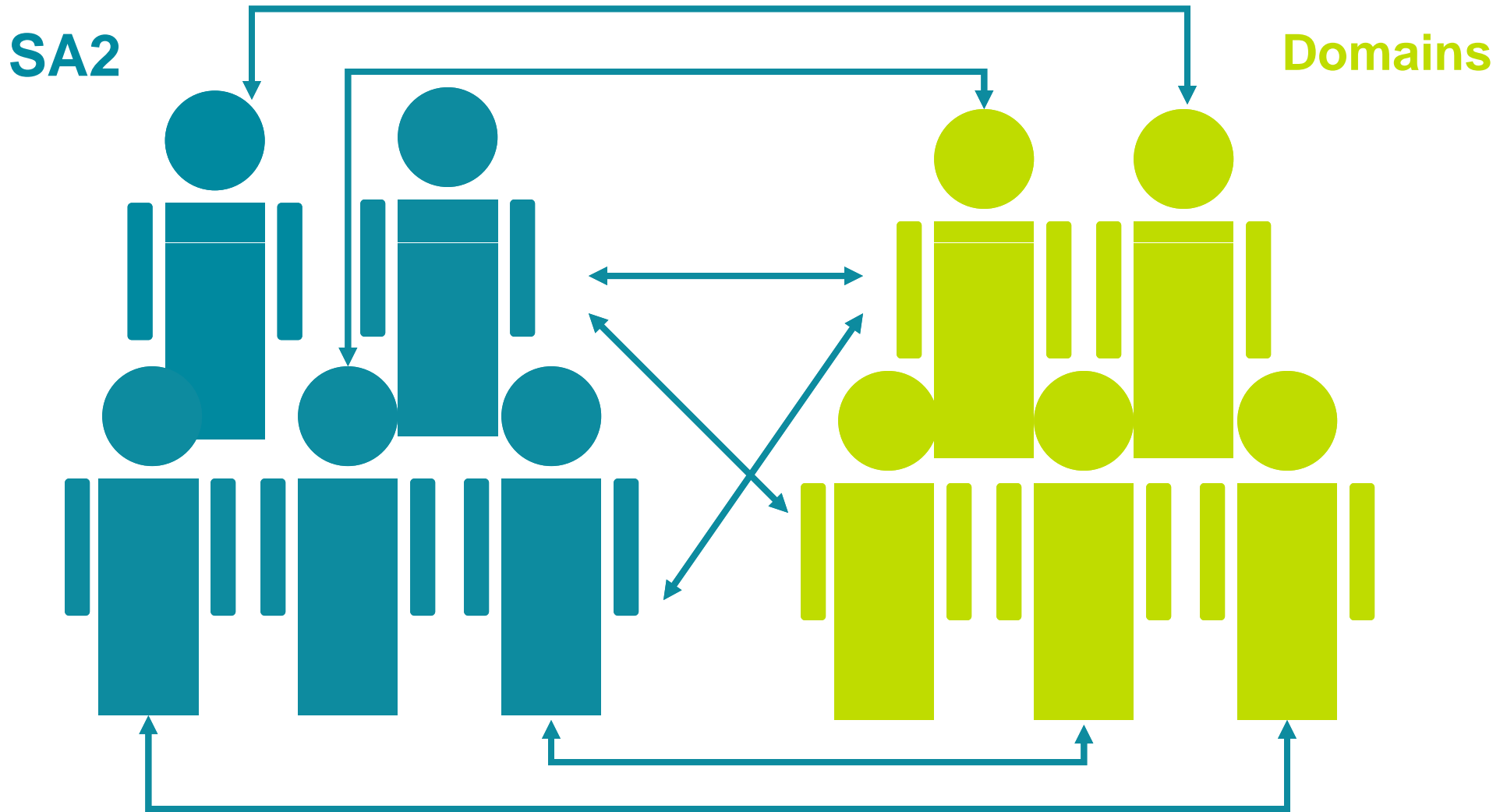
GN3 as a platform for multidomain services



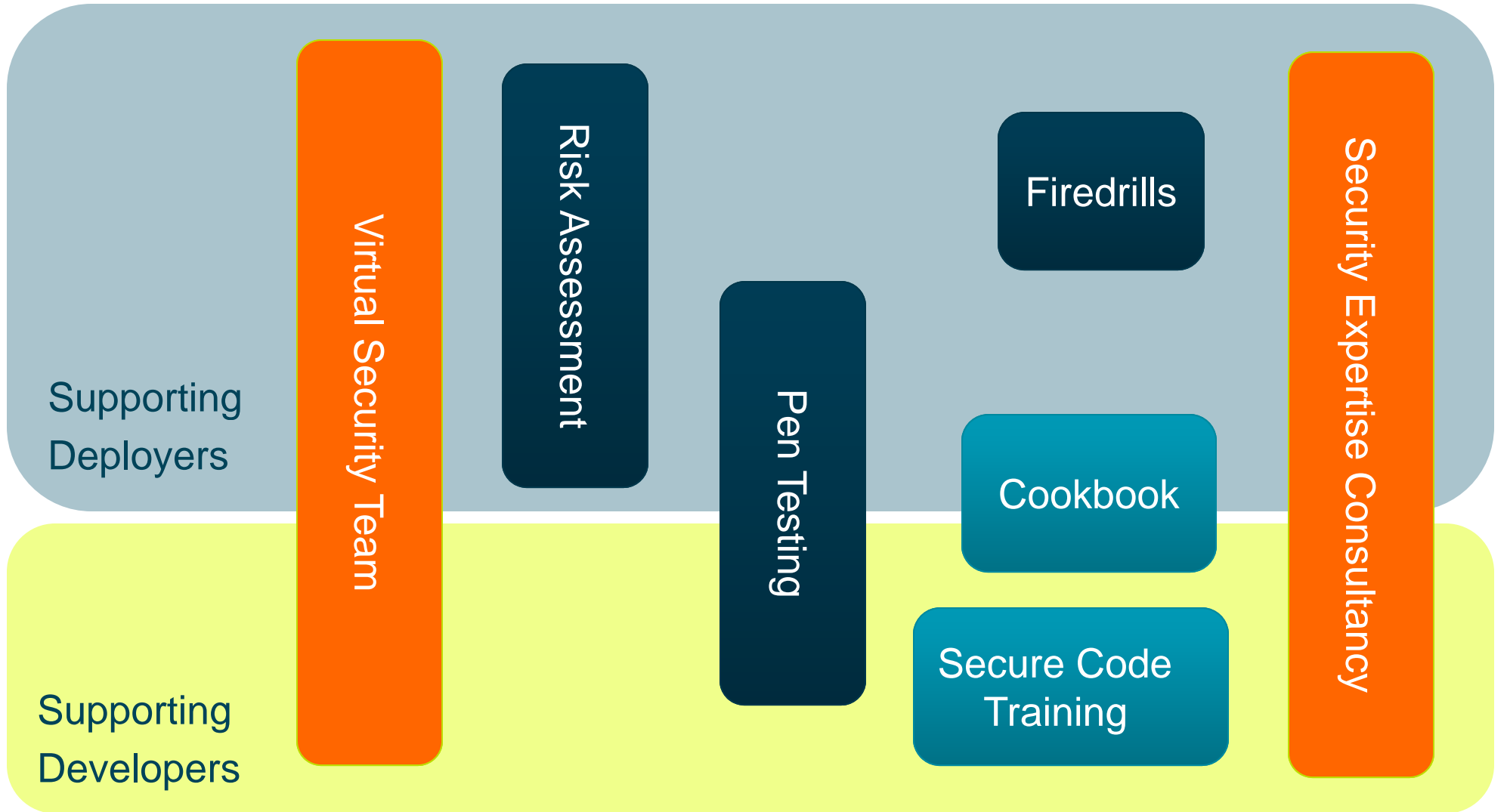
Participants



What if we do not have NOCs engaged?



Behind the Scenes - Security



Behind the scenes – Operations

