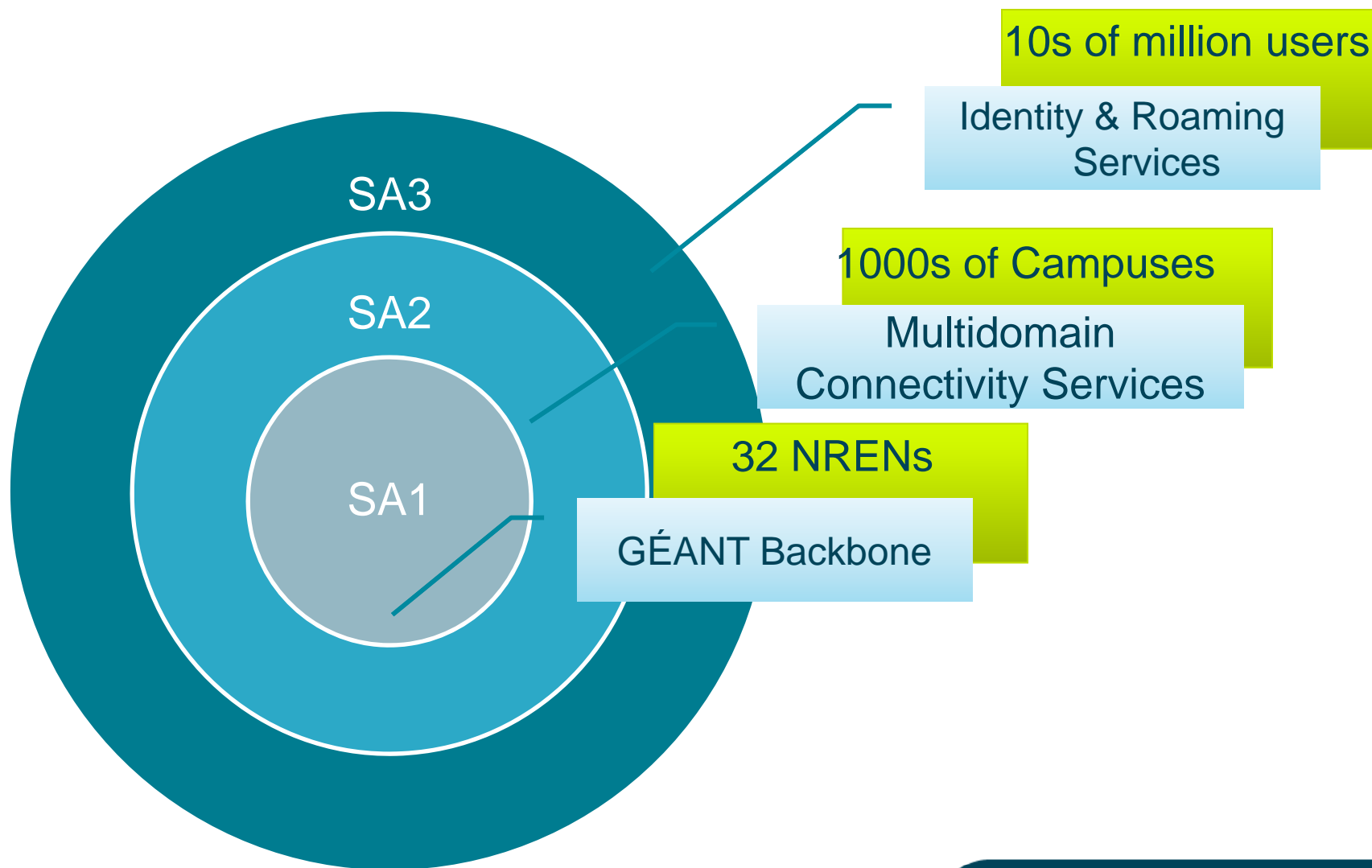


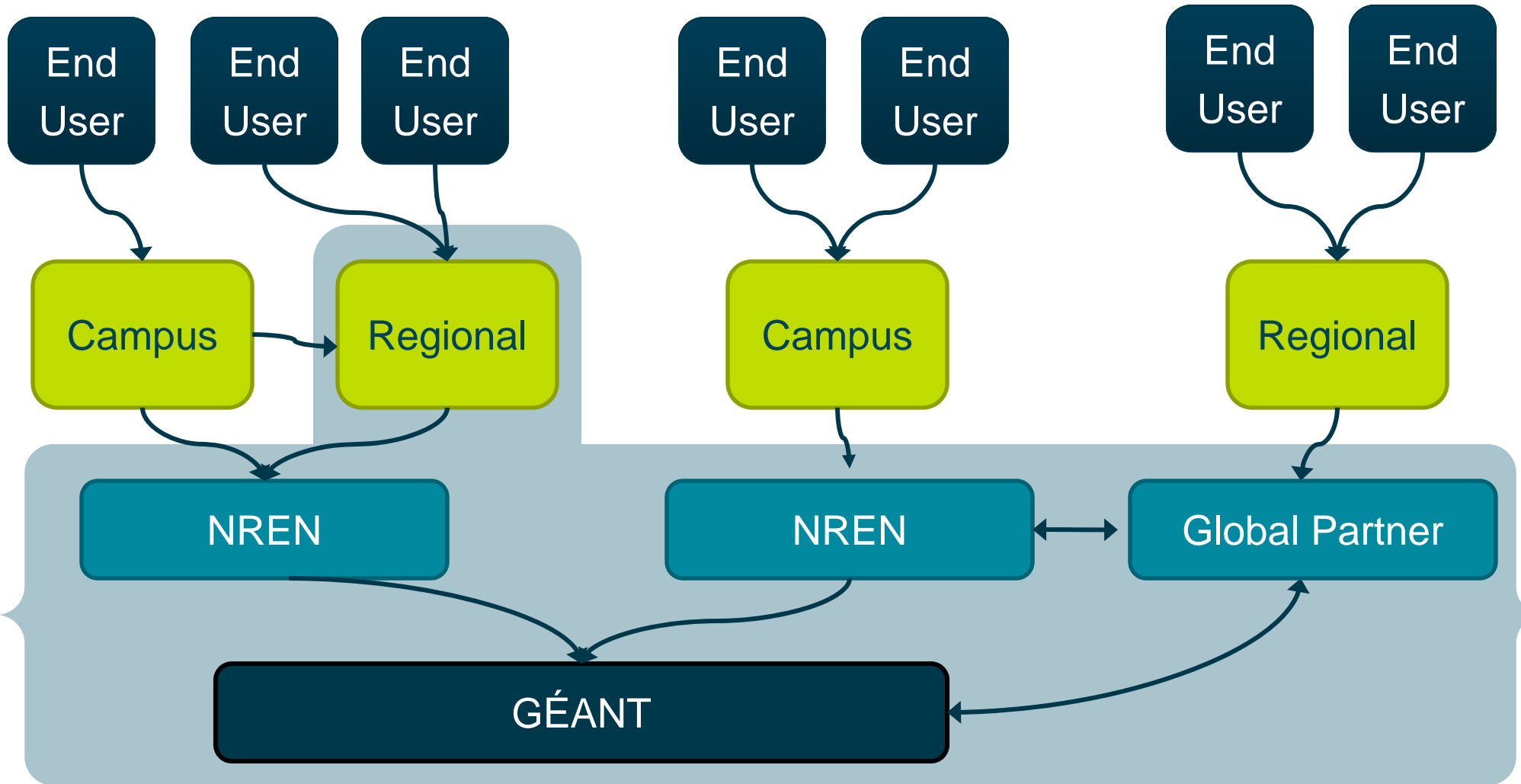
# GN3 view on multi-domain services and its implications on NOCs

Ann Harding, SWITCH  
TF-NOC  
Zürich, June 2011

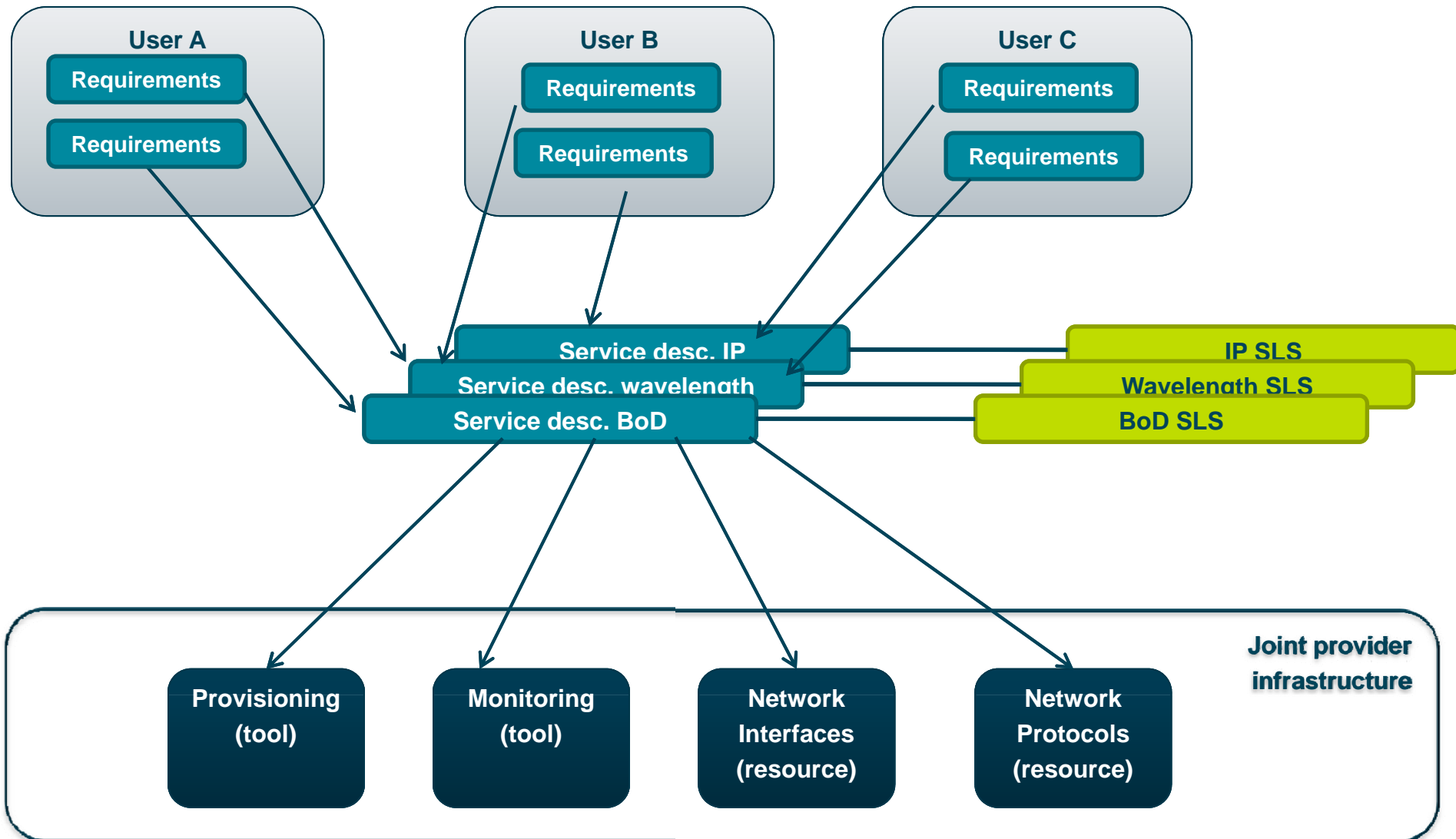
# Background – Positioning Multidomain Services



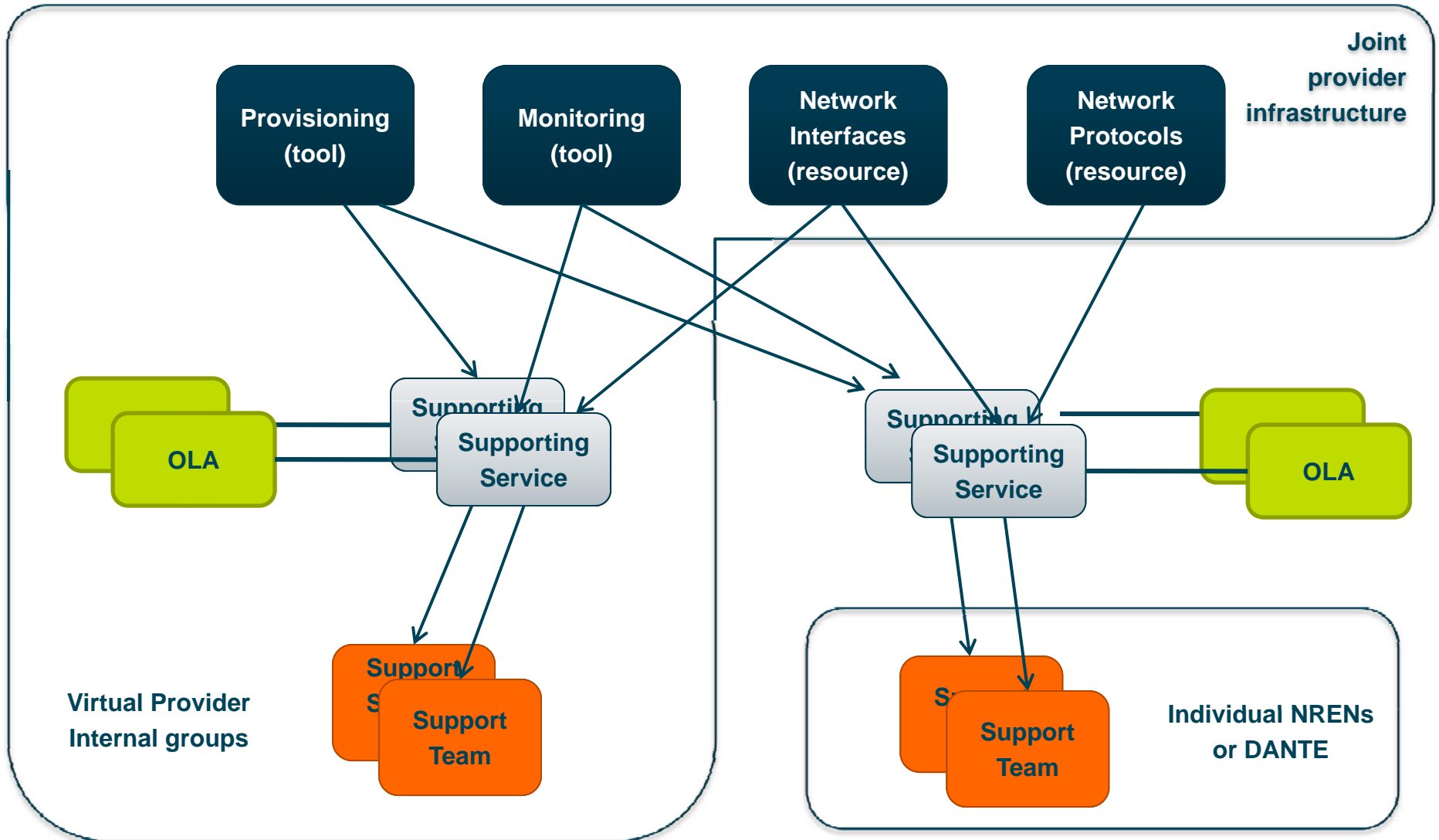
# Principles of Multidomain Service Access



# 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 2<sup>nd</sup>/3<sup>rd</sup> line support for software

← 20 Partners, ~120 participants, 266MM →

# Bandwidth on Demand Kickoff



© Leonidas Pouloupoulos

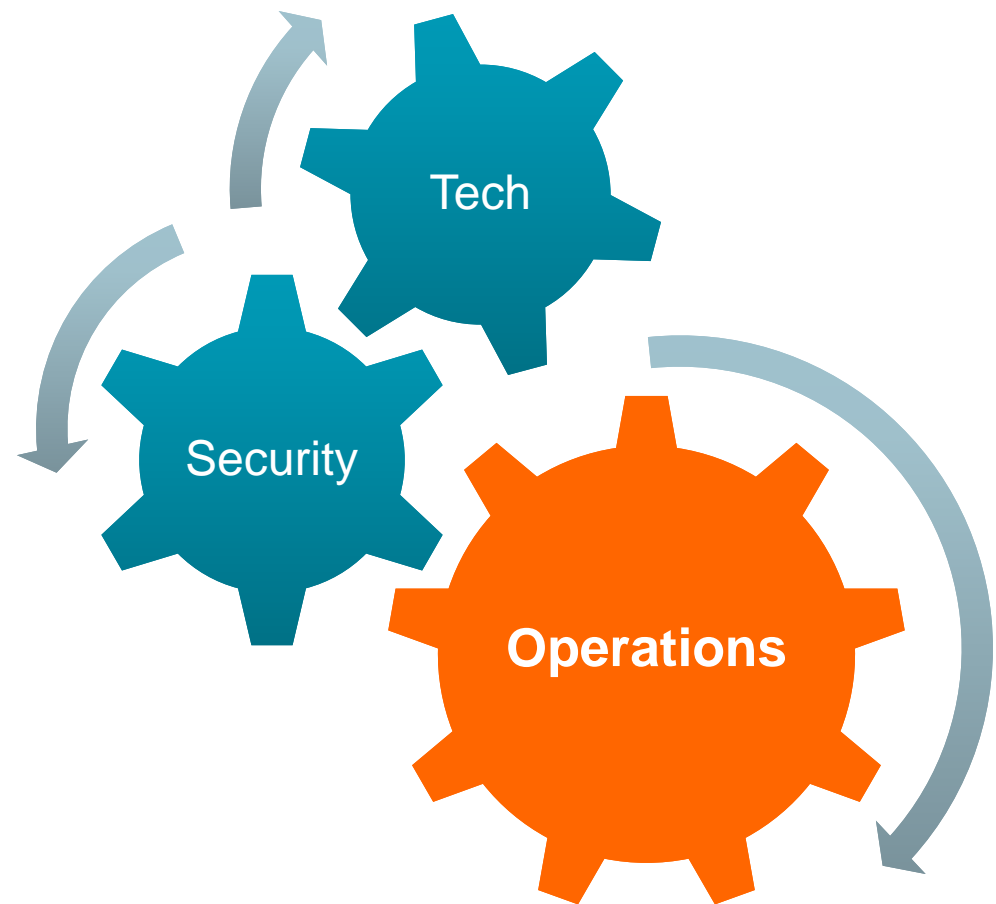
connect • communicate • collaborate



# GN3 as a platform for multidomain services

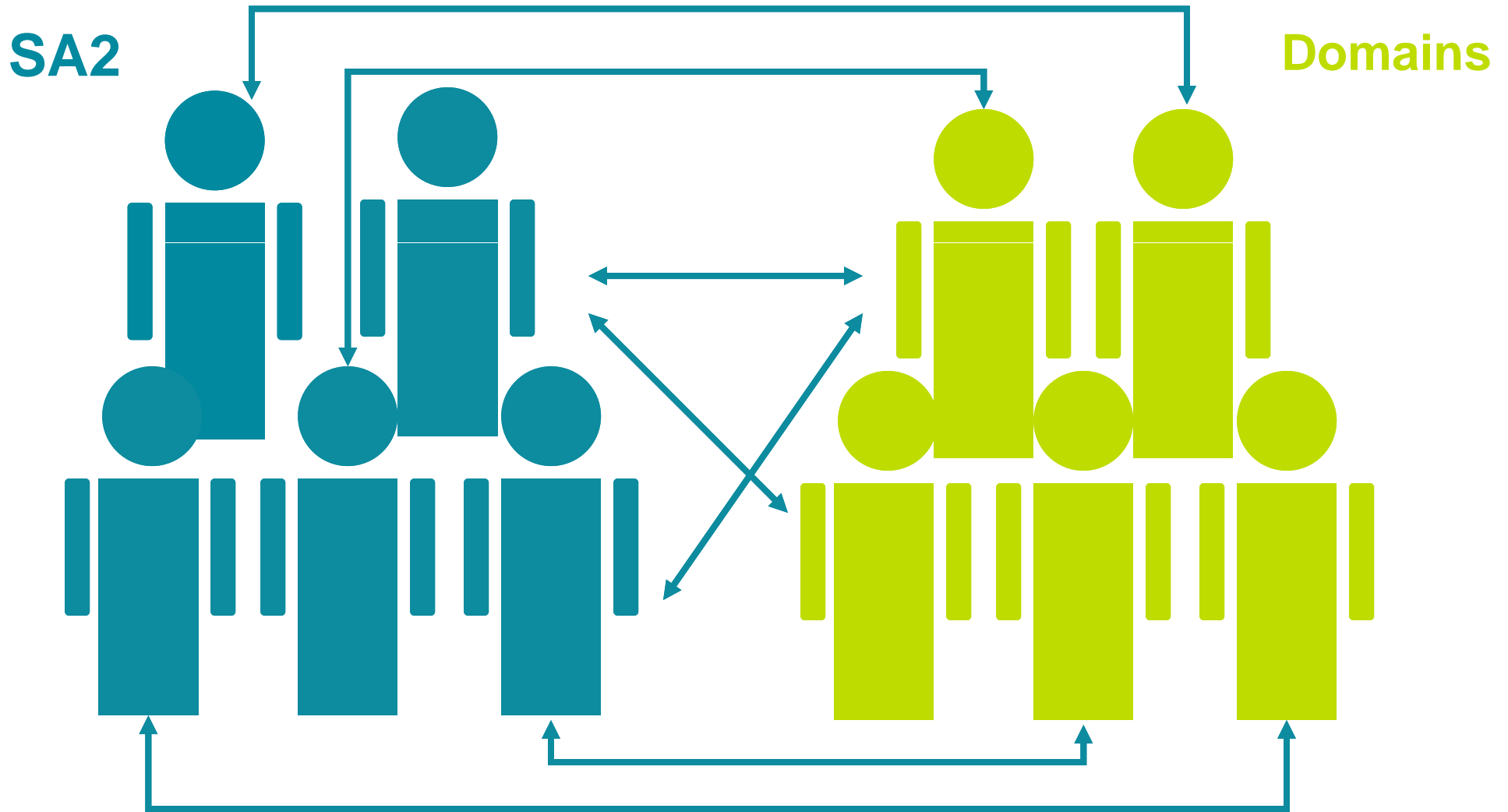


## Participants

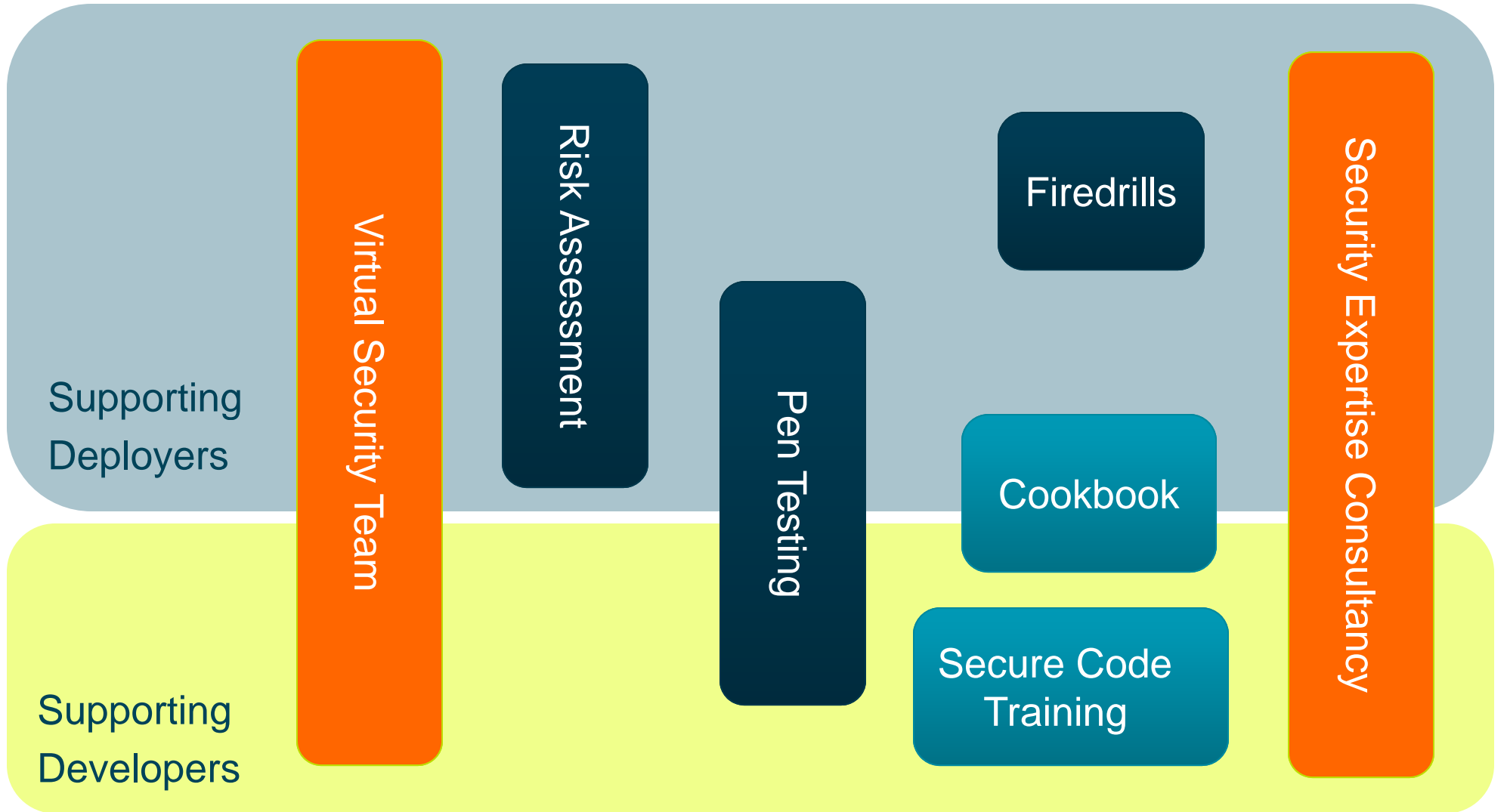




# What if we do not have NOCs engaged?



# Behind the Scenes - Security



# Behind the scenes – Operations

