Mapping Architectures:
SURFNET and SPA

Roman Łapacz, PSNC
WP T2

Géant Infoshare - Orchestration, Automation and Virtualisation in the NRENs. Ready, Steady, Go!

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Mapping NRENs’ Architectures to the TMForum ODA Reference Architecture
Why Mapping?

- Using a common reference point enables:
  - Common terminology
  - *Components functional comparison*
  - Knowledge & experience exchange
  - *Gaps identification*
Network Orchestration and Automation in SURFnet

SURFnet Network Dashboard

Orchestration layer

AAI

LightSOFT

Optical domain

Service domain

NFV domain

NorthStar

CoreDB

JIRA

CRM

IMS

IPAM

...

NMS

...

Technology domain
SURFnet architecture mapped to the TMForum ODA
GÉANT Service Provider Architecture (SPA)
Deployment for GCS (GÉANT Connection Service)
SPA architecture mapped to the TMForum ODA
SPA architecture mapped to the TMForum ODA Open APIs
Thank you

Any questions?

oav@lists.geant.org

www.geant.org