

NORDUnet BoD Viewpoint

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Espoo, 04-09-2014



- Pre-requisite for NRENs to
 - Experiment
 - Engage in European / Global projects
 - Build end-user service
 - Engage with campus and / or user communities
- NDN to deploy on-demand circuit capability
 - Initially on top of MPLS fabric
 - Embedding capability in all of core (MPLS) network
 - Offer capability on all interfaces: NREN's, GEANT, SURFnet, OLE's, etc
- Capability based on OGS NSI protocols
 - Only realistic model
 - Supported by wide-spread adoption

- Make technology available
 - Deploy or develop, depending on availability
 - Develop to advance state-of-the-art
 - Develop advance standards
 - Fill gap between standards and operations needs
 - Ability to support NORDUnet platforms
- Current focus
 - NSI CS service agent
 - Interface to NORDUnet MPLS NMS
 - Interoperability: SURFnet, GÉANT, ...
 - AAI, Topology exchange, pathfinding
- Open Source

- NORDUnet not doing BoD service
 - No NORDUnet BoD service
 - No NORDUnet campus interface
- BoD service layer
 - Is Work-in-progress
 - Require experimentation
 - End user / application interface not well understood
 - Some experience from Esnet, SURFnet, others.
 - Require work with user communities at NREN's
- Many circuit-oriented service options
 - MD VPN, SURFnet-style BoD service, circuits on MPLS, circuits on OTN, long-lived / short-lived, application-directed BoD service, etc. etc.
 - Understanding service portfolio must happen with NRENs, towards user communities and campus
 - NORDUnet happy to support international aspect of initiatives