

# CTO Forum - 28 June 2018 (VC)

## Logistics

- Date: 28.06.2018
- time: 10:00 - 12:00 CEST
- VC: <https://nordunet.zoom.us/j/8804330816> (or see below agenda for other connection options)

## Agenda

1. GÉANT Status - LF
  - a. Funding, GA decisions
  - b. GÉANT Next Gen network, current plan, maps, optional links
  - c. GN4-3, items of Nordic interest. Agree how to best follow up w/ WP leaders on project descriptions.
2. NORDUnet NextGEN network - JQ
3. US Network Upgrade - JQ
4. NORDUnet NTP as a service - JQ/JK
5. Asia connectivity - EJB - [slides](#)
6. Nordic Cloud Services strategy process?
7. Round table updates - All

## Participants

- NDN: EJB, JQ, LF, JK
- DelC:
- SUNET: VN, PN, LJ
- UNINETT: OS, Olav, Vidar
- FUNET: none
- RHnet: none

## Notes

- GÉANT status
  - NDN Board wants an agile GÉANT and realise a federated network by 2025
  - Funding for SGA3 a+b has been agreed to 53M€ + 22M€ + 53M€
- GN4-3 planning
  - LJ: have confidence in people leading T&I
  - LJ: there's a desire for a "Product Coordinator" for T&I. Leif has suggested names. We need to know if there's a real interest, and it should be a dialogue.
  - PN: task leaders are project managers. LJ: they are portfolio managers
  - PN, VN: has spoken to Tim and Ivana on CNaas. There will be a workshop in the fall to figure out what
  - VN: subtask leaderes may be more interesting. PN: that is someone doing technical work
  - VN: UNINETT have people to do the work, not so much for task leaders
  - SUNET want NORDUnet to coordinate, i.e., be a task leader. Specifically in the network service dev WP. VN: the role is not (just) administrative. It is also about setting direction.
  - SUNET does not have people who could be a portfolio manager.
  - LF: TLs should still be people with subject matter knowledge. PN: would rather have a good projet leader with no subject leadership
  - Task of interest
    - T6.3: Network monitoring and management
    - T8.3: security services. DFN is also interested. LF will investigate and try to set up a conversation.
    - OS: we should do more about operational security. We should do more Nordic collaboration. It's a strategic initiative.
    - PN, LF to have meeting with Slgirta and Alf. LF to set it up. Also invite OS.
  - Areas we need to influence
    - Network Monitoring
    - Operational security Services
    - T6.1 - network tech evolution. UNINETT interested in optical. PN does not really care. LF: should there be workshops? Is the consensus process really the important part of it? PN: we should talk about needs.
    - T6.2 - network services - do we have a particular interest.
    - Cloud and long tail computational resources. Do we want to do something in this area. PN: what is core business for the NRENs? LF: is this a general nordic interest? LF will prepare workshops with Jan M.
- NORDUnet NextGen network
  - Update from JQ on NDN BoD decisions - topology and financials.
  - We are progressing the "yellow links" in the topology maps
  - We are progressing planning for model 3.1. Each NREN will need to confirm they can do they can do the investment requirement
  - By September, Qvist till present a costed proposal for "the rest of the network"
  - Qvist walk us through an initial excel sheet of cost figures
  - Qvist warns that already now it is clear that part of the planning and execution is becoming time critical, mostly because of equipment that need to be decommissioned, moved, and deployed
  - Tendering will start already in early 2019 in order to have link continuity. Hamburg is critical.
  - OS worried about paying for fibre (from the old network) we are not using for a few years. Qvist: we will certainly talk to the provider about options. Qvist: UNINETT are very welcome to participate in discussions
  - NORDUnet will seek participate in GÉANT equipment tender
- US network upgrade
  - Closer collaboration will I2, allow us to cancel hosting contracts
  - Replace routers with MX204.

- Move one site (for now) to virtual routing
- Close down Miami.
- Cost reduction 120-150k€ / yr
- LJ: we need to update our story.
- JQ: we're scaling back from Miami. The networks from SA are now in NYC / DC
- LF: NDN will take an action to write this up in a customer-centric way. Qvist: focus is really on quality.
- Olav: we should present ourselves as a global network
- Olaf: presenting measurements and demonstrating quality is really import
- LF: cost of NRENS, why we have NRENS, background material, costing, and an elevator pitch is all part of what Nordic NRENS need. We should work as a community to develop that. We will make that a topic for the future.
- NORDUnet NTP as a Service
  - NDN NTP is being used outside NORDUnet. It was never an official service. We never made a design or a decision to deliver such a thing.
  - LJ: does not care if NDN has a NTP service or not, but we're sort of stuck with it.
  - PN: what is the cost of running it?
  - PN, VN: would like it to keep running for those already using it
  - JK: there's not a lot of users
- Asia connectivity
  - Presentation by Erik-Jan
  - SUNET worried about changes in latency & potential impact on key customer. NORDUnet to investigate impact from routing offers
  - LJ, PN unhappy with level of information, feel they should have been informed earlier
  - OK see the plan as a natural evolution of the GNA work that NORDUnet has been reporting on for some time

## Video Instruction

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