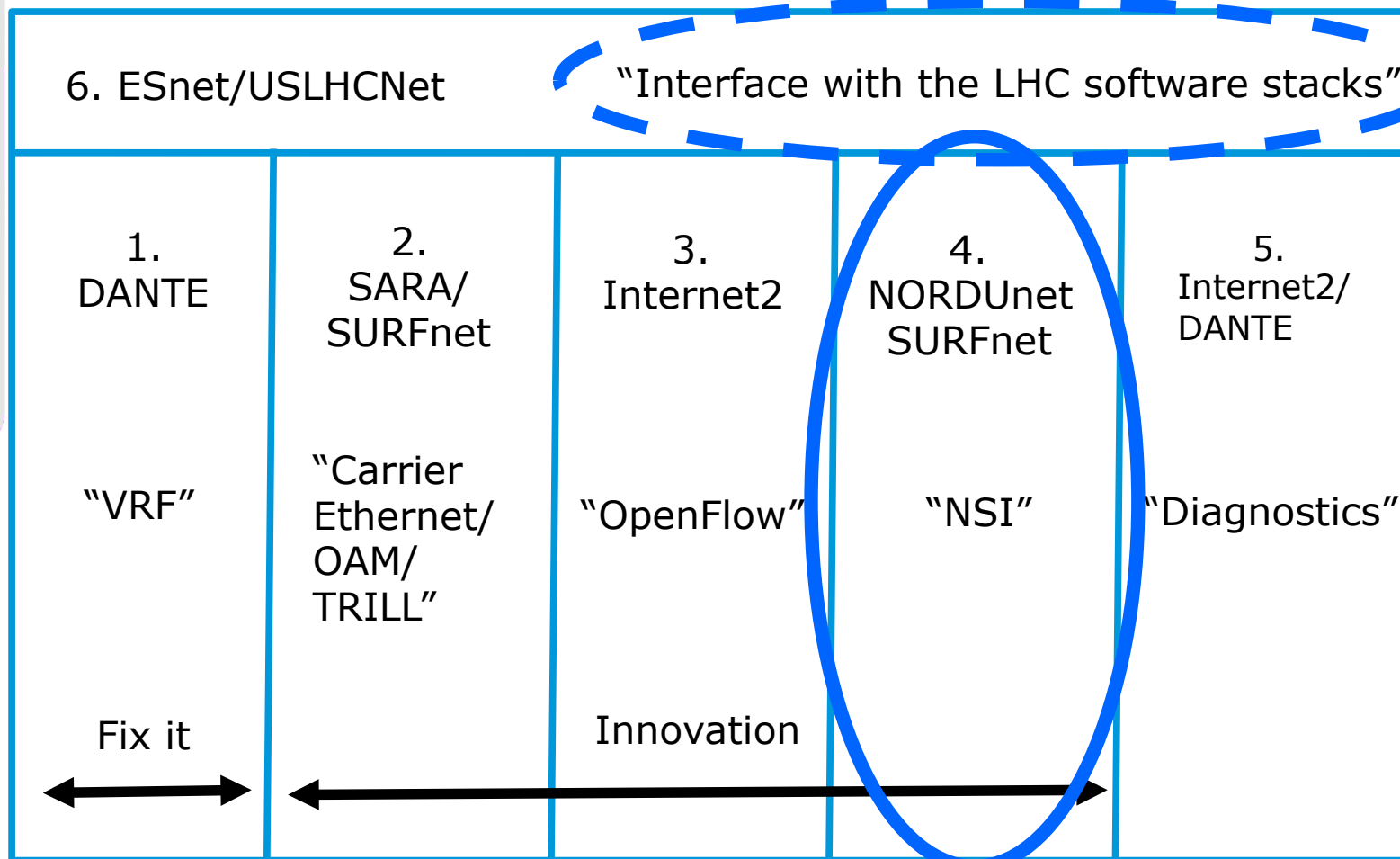# LHCONE
Point-to-Point Service

What Now?

Lars Fischer
LHCONE Meeting
Oslo, 21 September2012

LHCONE Activities

6. ESnet/USLHCNet	*"Interface with the LHC software stacks"*			
1. DANTE "VRF" Fix it	2. SARA/ SURFnet "Carrier Ethernet/ OAM/ TRILL"	3. Internet2 "OpenFlow" Innovation	4. NORDUnet SURFnet "NSI"	5. Internet2/ DANTE "Diagnostics"

Result of the LHCONE meeting in Amsterdam, December 1&2, 2011

NORDUnet
Nordic infrastructure for Research & Education

- Service Definition (done)
  - Document extensively discussed, rough consensus
- Choice of protocols (sidestepped)
  - Both, rather than NSI or IDCP
- Pilot (not initiated)
- Service in operation (not yet)

NORDUnet
Nordic infrastructure for Research & Education

- Do we have the right group?
  - Only network operators so far
  - Missing site people are users
  - Not clear what we understand by users
- Do we know what we want to achieve?
  - We have the service definition…
  - … but we're missing a clear picture of the system and the system elements where the service is deployed
  - …and agreement on the components we will use to build that system

NORDUnet
Nordic infrastructure for Research & Education

- NSI 2.0
  - AutoGOLE
- ESnet and Internet2 deployments
- European BoD deployment
- ...

- How do we leverage these to bring a service to the LHCONE?

- Identify the right group
  - Including "sites" and "users"
- Identify and agree simple use cases for service, implement
- Expand service, build as one component of the comprehensive LHCONE network service