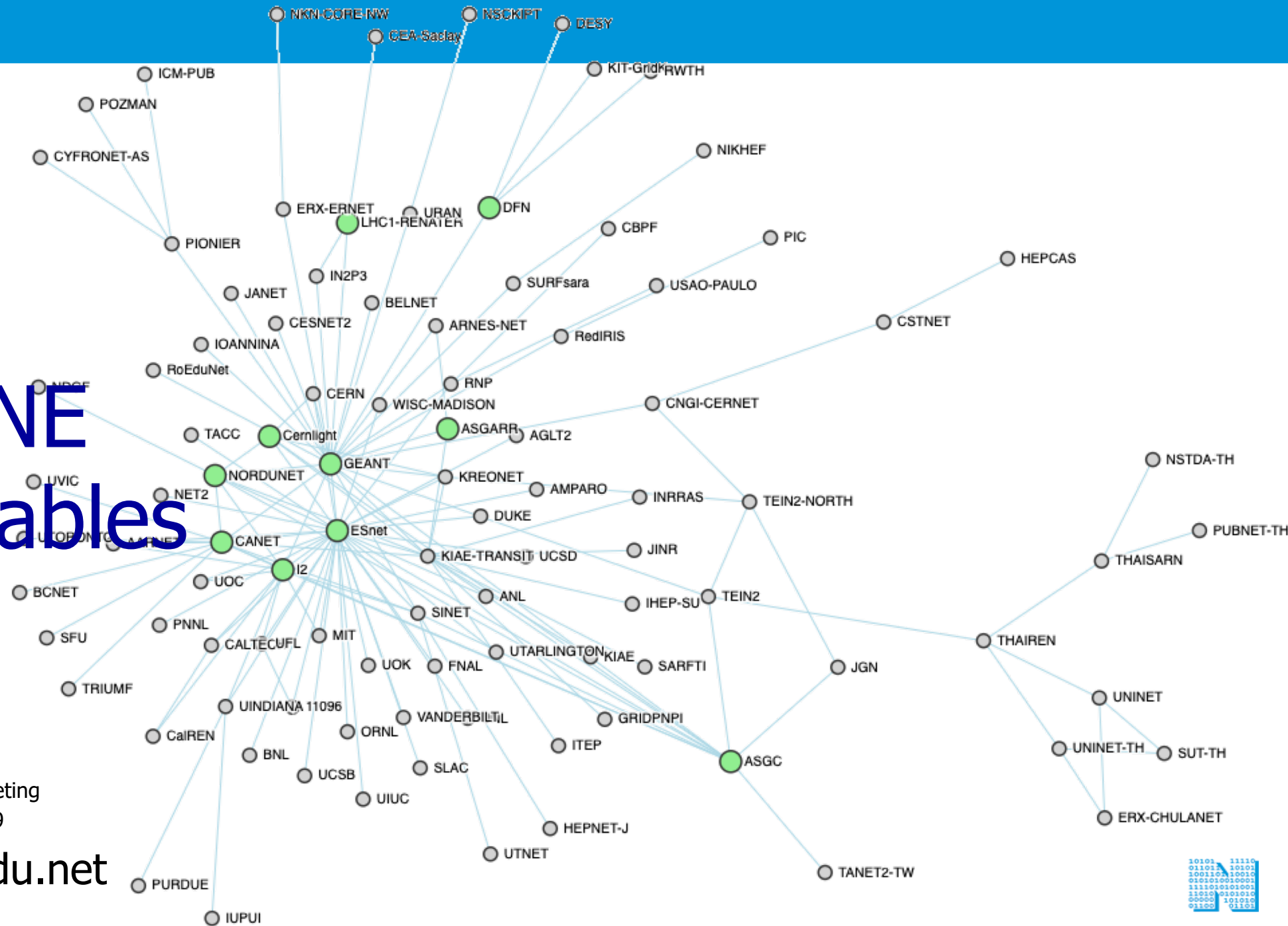


## LHCONE routing tables



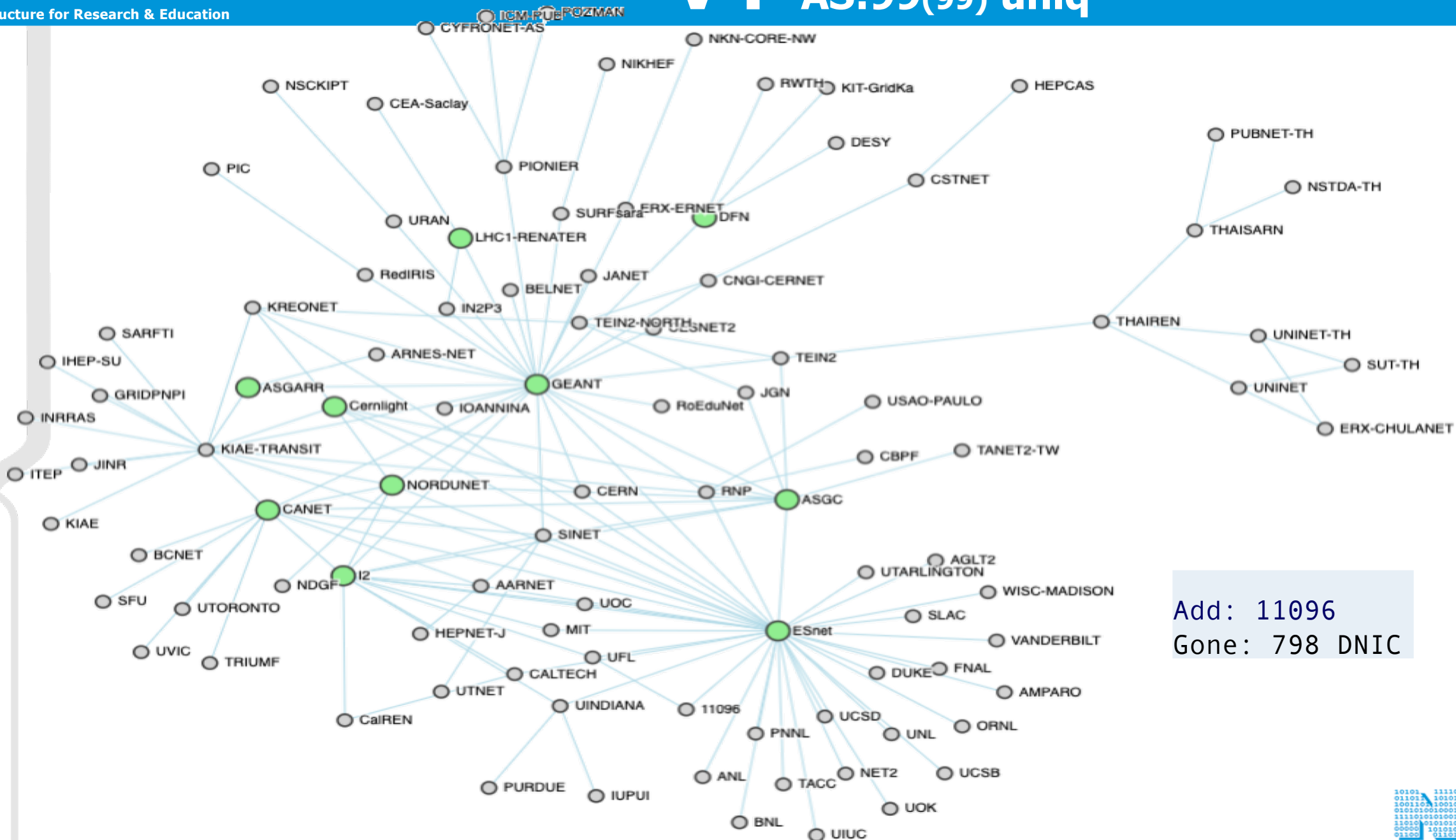
LHCOPN-LHCONE meeting  
Umeå 4 June 2019

bergroth@nordu.net



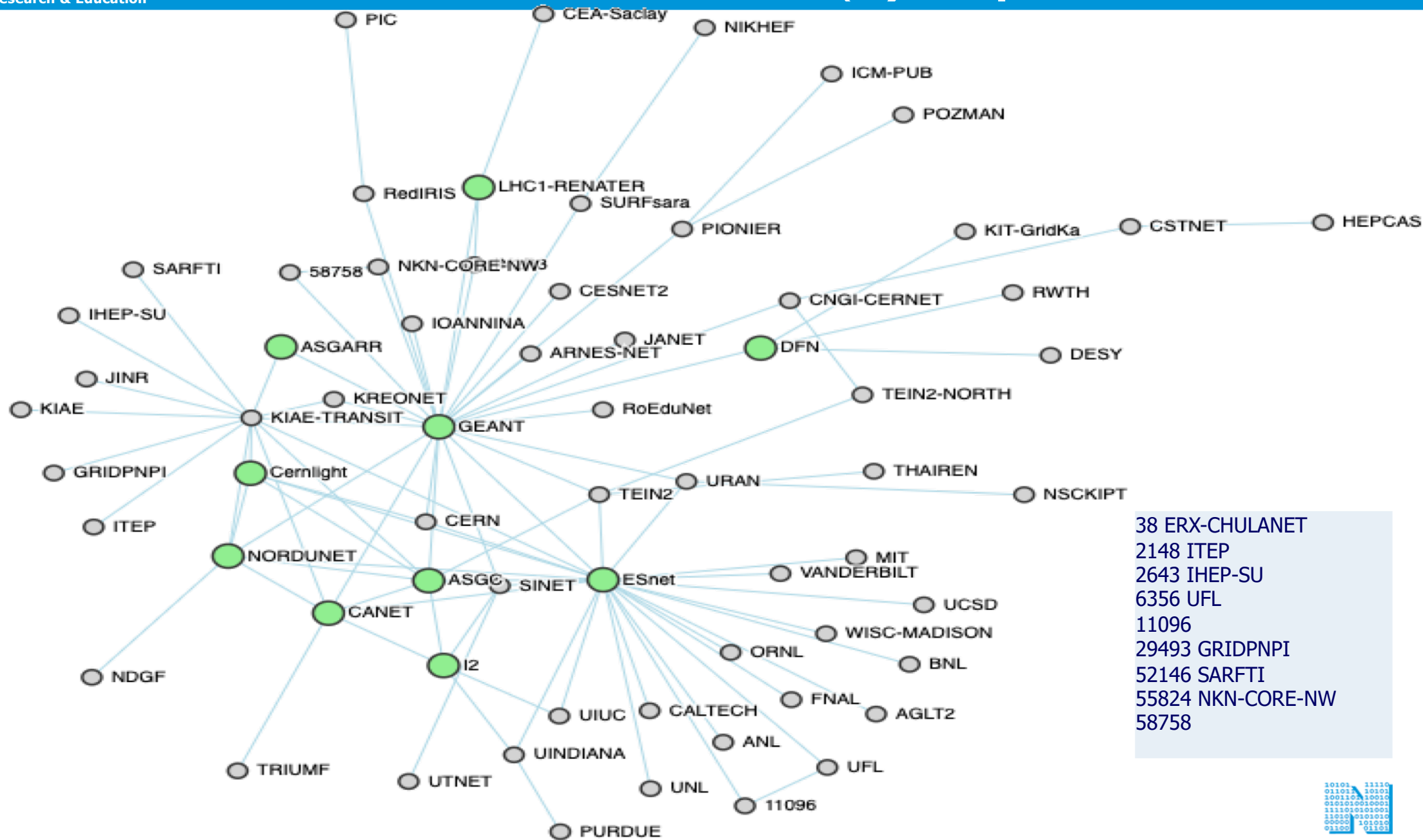
Network	ASn	Number of Connected ASn		Peering ASN
ASGC	24167	11	7	20965, 11537, 2907, 57484, 293, 20641, 24490, 6509, 7539, 2603, 17934
Canarie	6509	12	9	20965, 11537, 2907, 7575, 57484, 24167, 293, 36391, 271, 2603, 11105, 16462
Cernlight	20641	6	7	293, 17579, 57484, 2603, 24167, 513
Garr	137	10	10	20965, 57484, 64714, 2107, 65055, 64515, 65281, 64589, 64520, 64612
Geant	20965	25	26	680, 11537, 2907, 57484, 17579, 2603, 293, 8501, 24167, 12687, 513, 137, 2091, 2852, 2107, 786, 2614, 23911, 24490, 6509, 766, 1916, 1162, 2697, 8581 (2611)
Janet	786		2	20965, (65501)
Internet2	11537	13	11	20965, 6356, 2907, 7575, 293, 2603, 24167, 160, 32361, 2153, 6509, 19782, 3 (2907, 24167)
Nordunet	2603	8	8	20965, 293, 57484, 24167, 6509, 20641, 11537, 39590
Renater	2091	9	9	20965, 777, 789, 65073, 65109, 65298, 65115, 65105, 65078
Esnet	293	35	35	20965, 6356, 2907, 7575, 2603, 17934, 24167, 229, 3671, 18515, 6509, 59, 32093, 7896, 38, 131, 7212, 3152, 25776, 160, 1916, 3428, 32361, 683, 43, 513, 11537, 13371, 19782, 50, 17579, 111, 1251, 3, 26397
DFN	680	5		47610, 20965, 58069, 1754, 65303





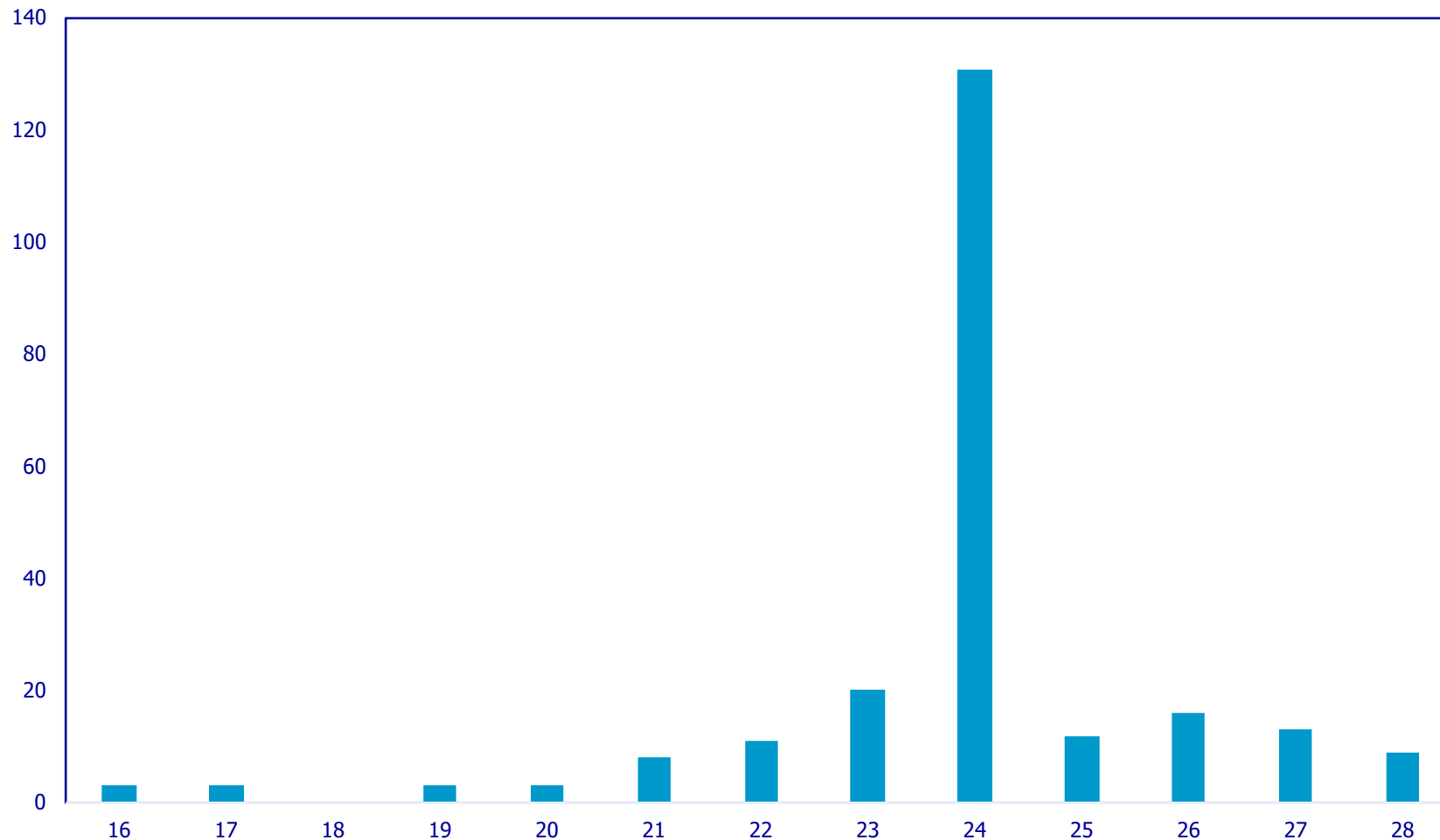
Add: 11096  
Gone: 798 DNIC





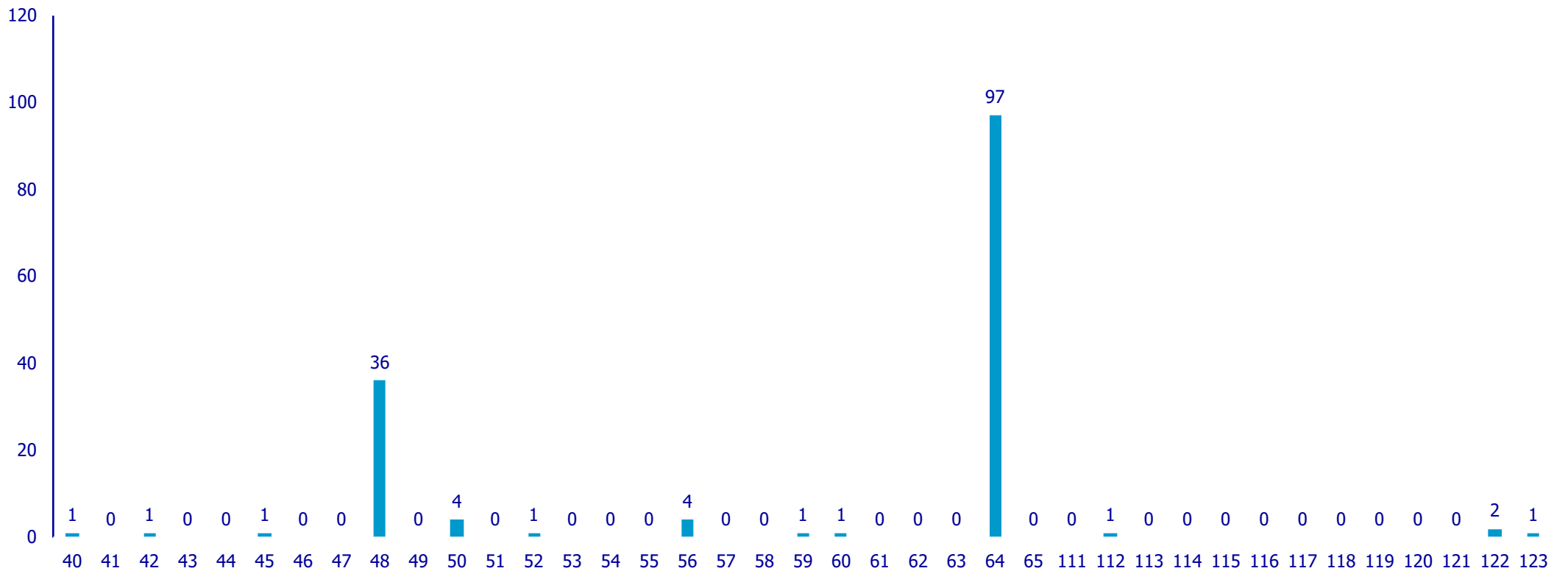
- 38 ERX-CHULANET
- 2148 ITEP
- 2643 IHEP-SU
- 6356 UFL
- 11096
- 29493 GRIDPNPI
- 52146 SARFTI
- 55824 NKN-CORE-NW
- 58758





Mask	Count	
16-32	440(388)	
16-29	232(218)	~6 /16 406320(402144)





Mask	Count	
40-128	280 (201)	48/126, 28/127, 35/128
40-125	151(119)	









AS7575  
AARNET  
128.250.185.224/27  
192.43.208.0/24  
192.231.127.0/24

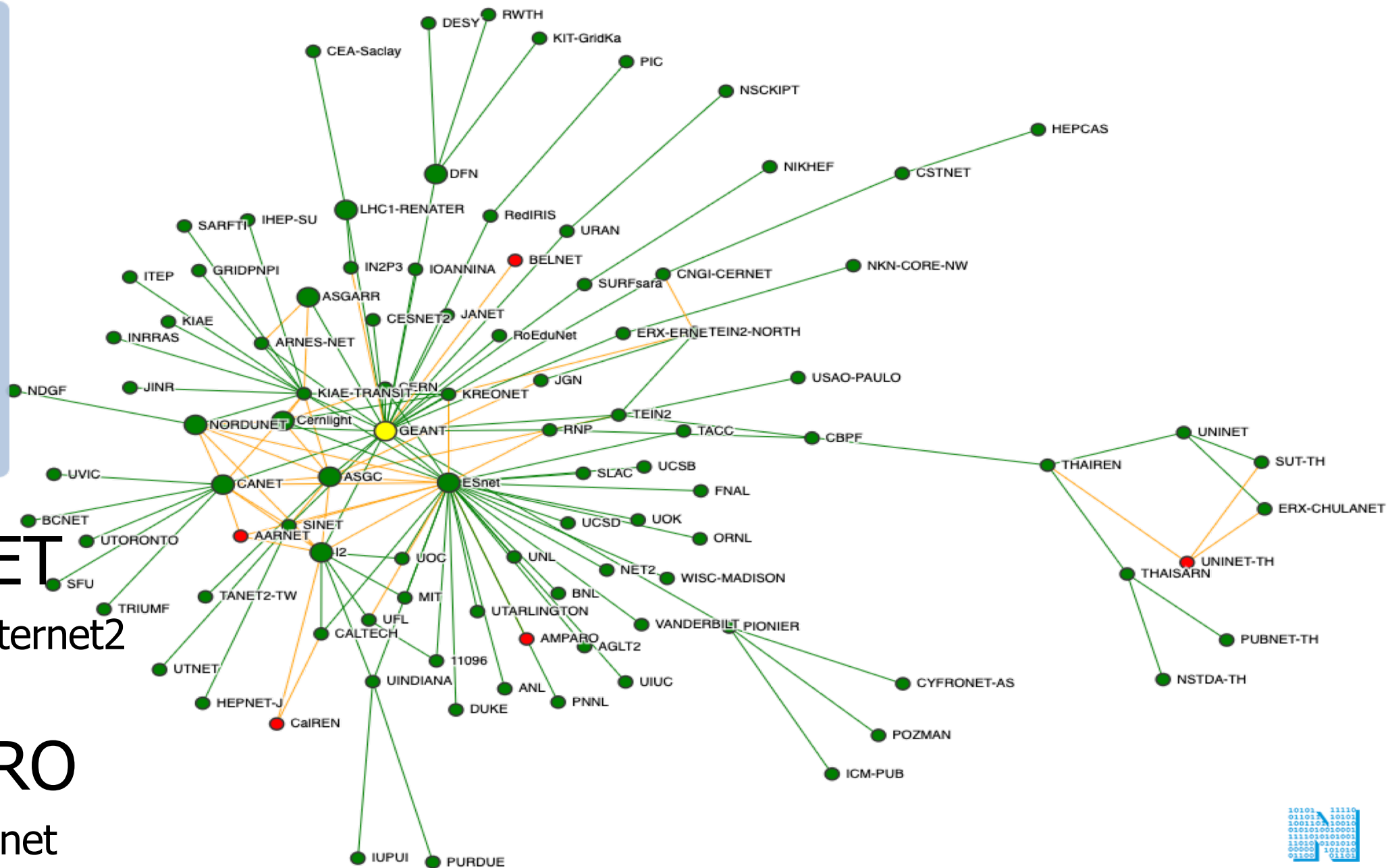
Missing

AARNET

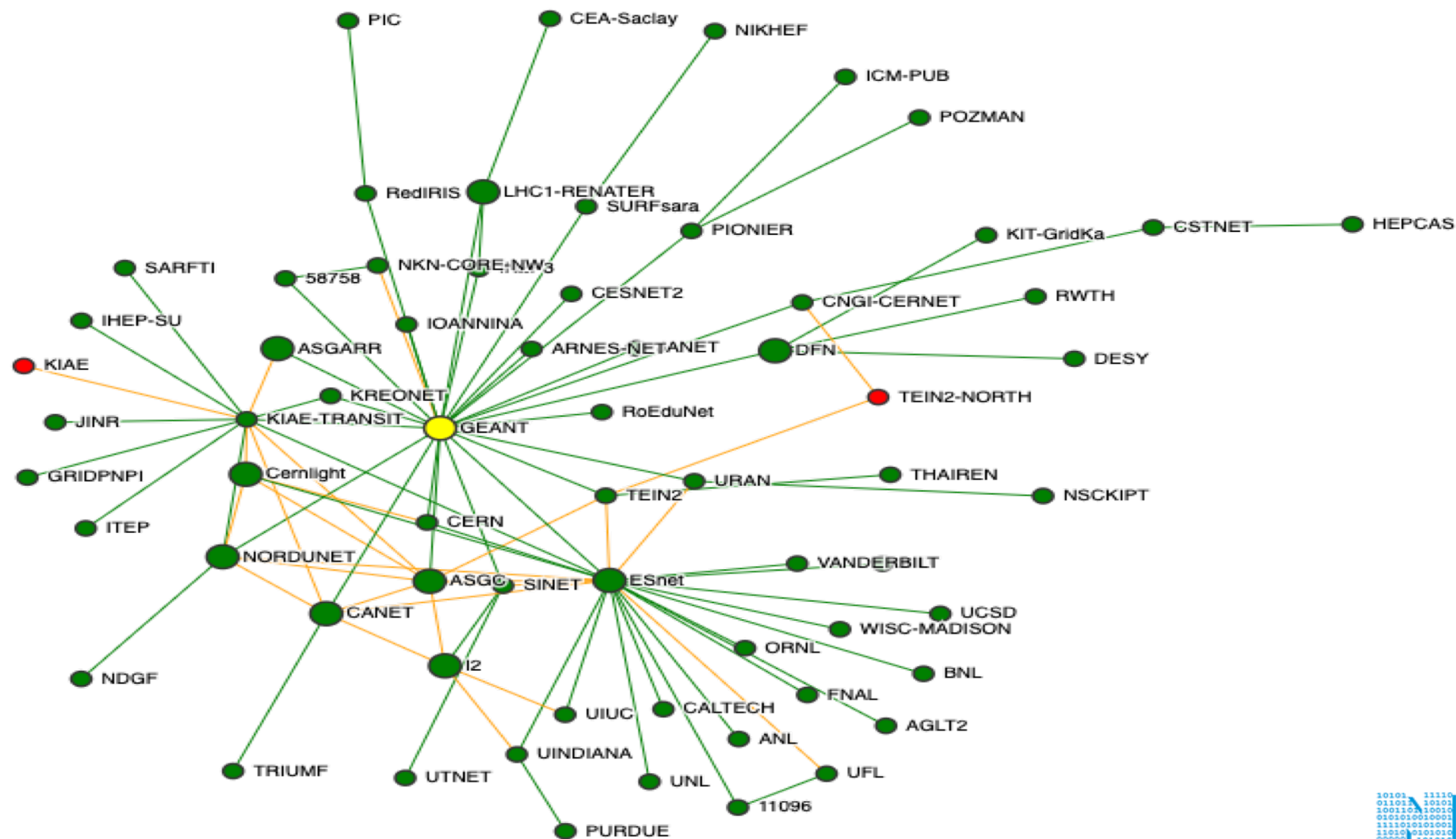
- via Internet2
- Esnet

AMPARO

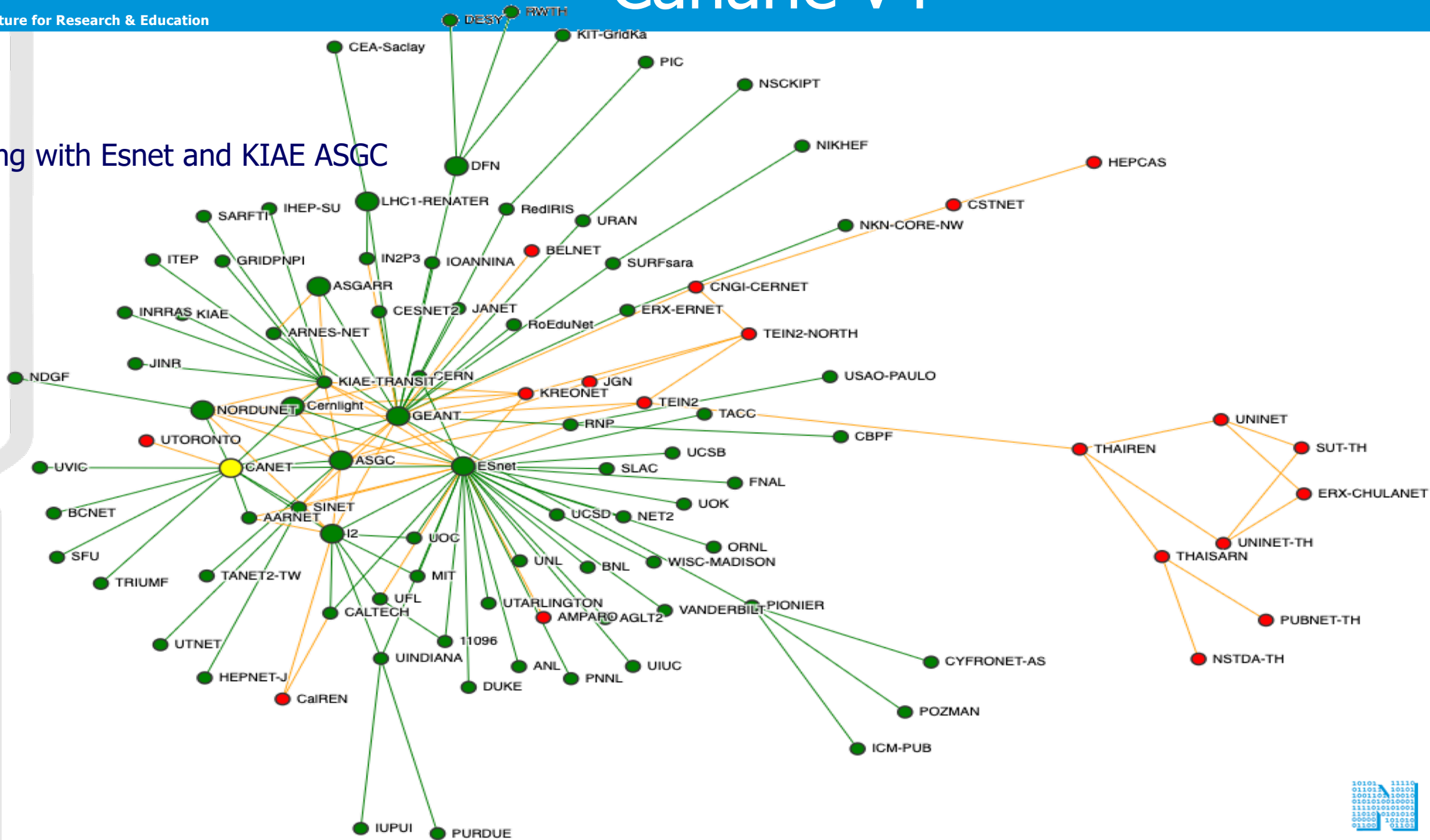
- via Esnet



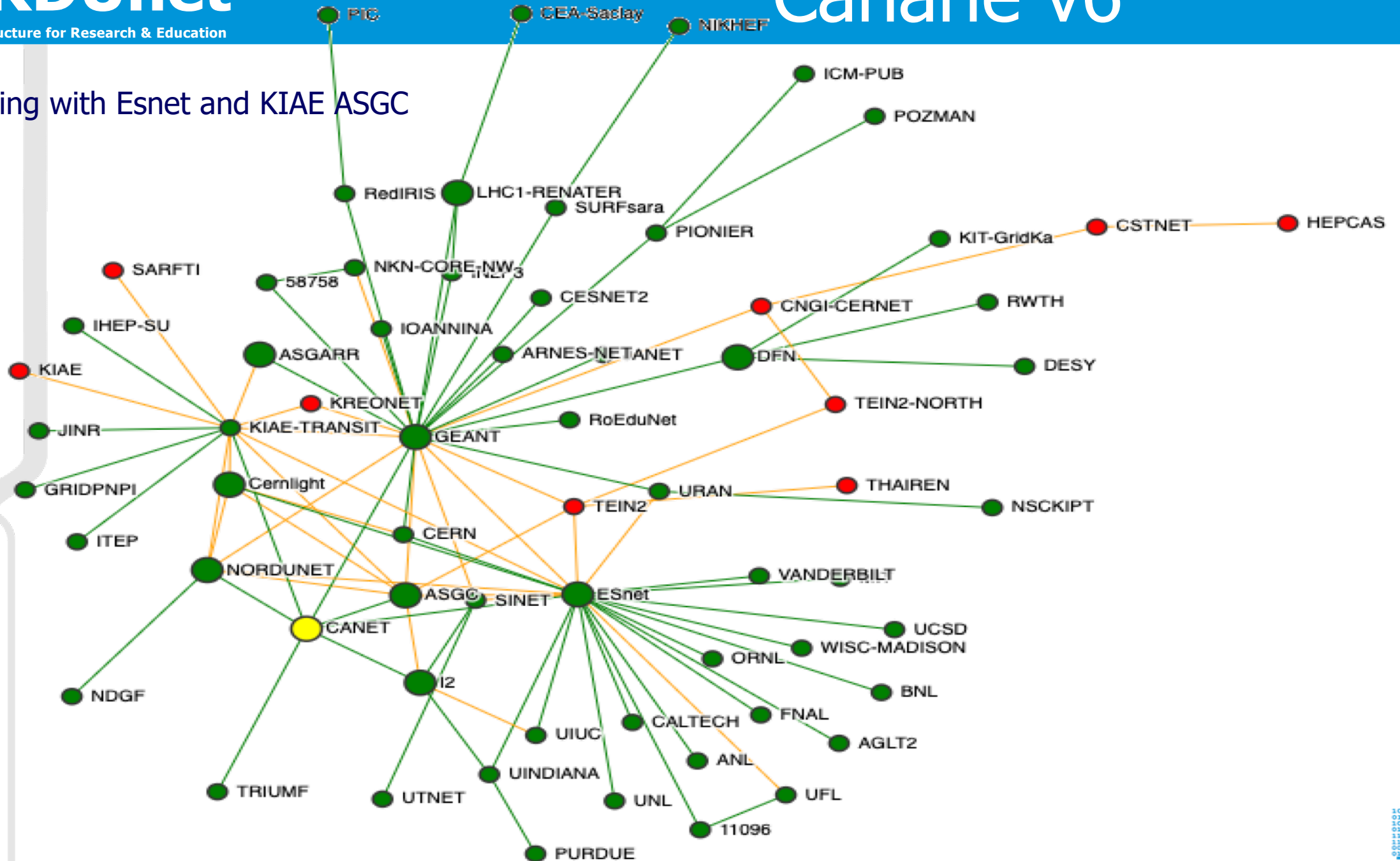
AS59624  
KIAE  
2001:67c:1bec:224::/64

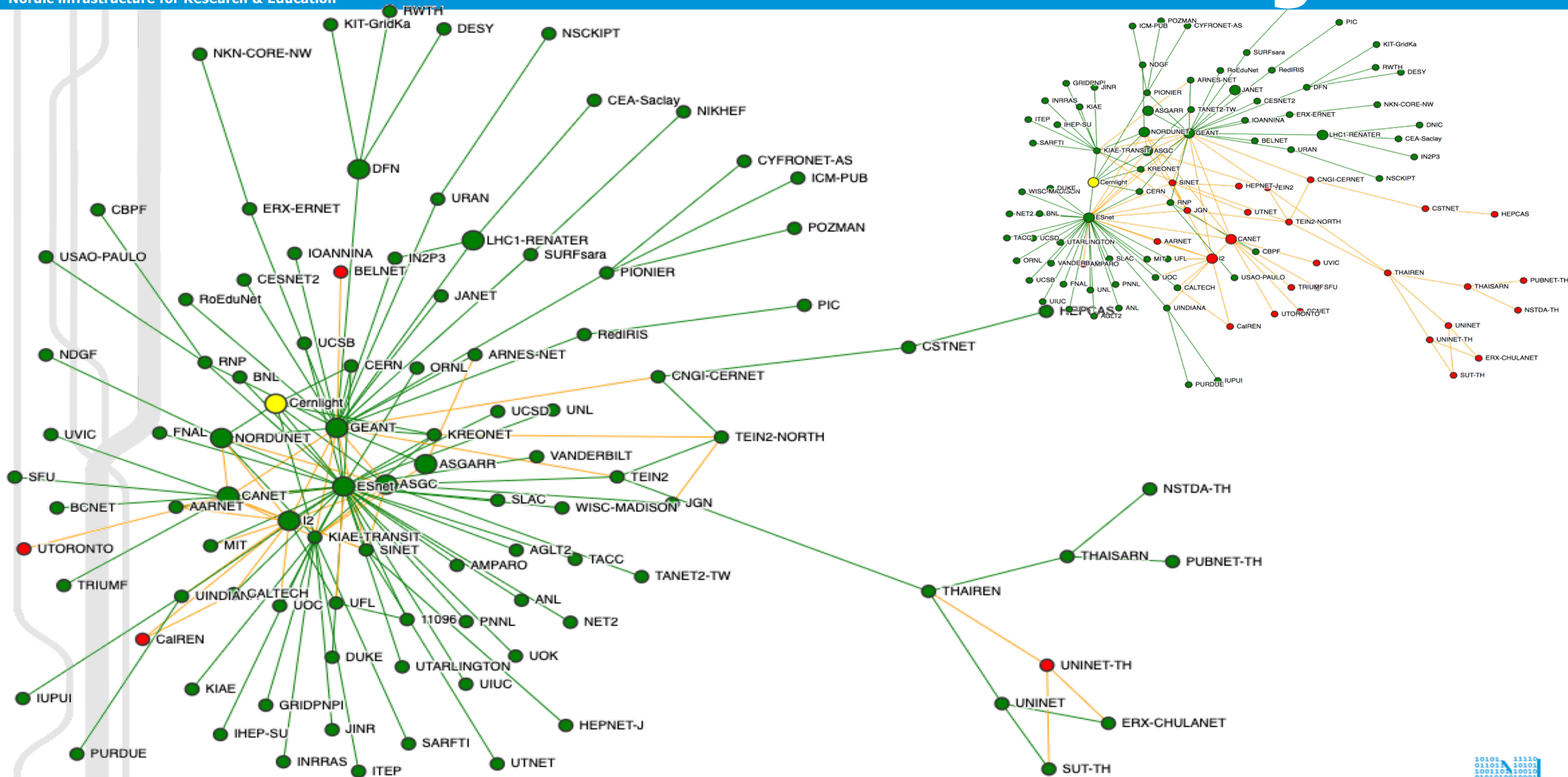


## New Peering with Esnet and KIAE ASGC

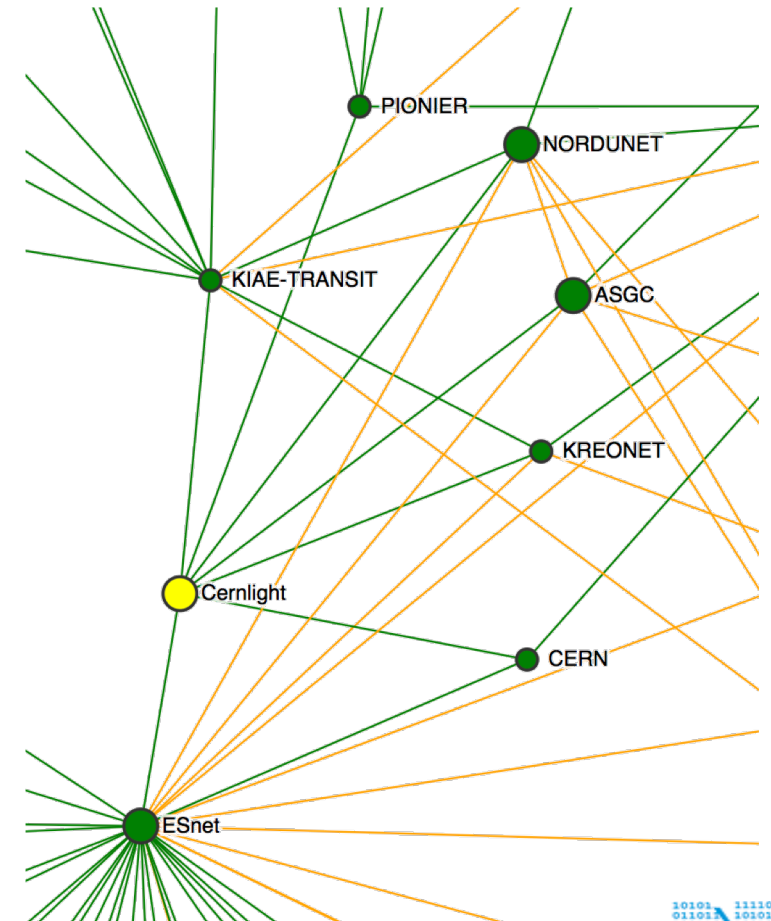
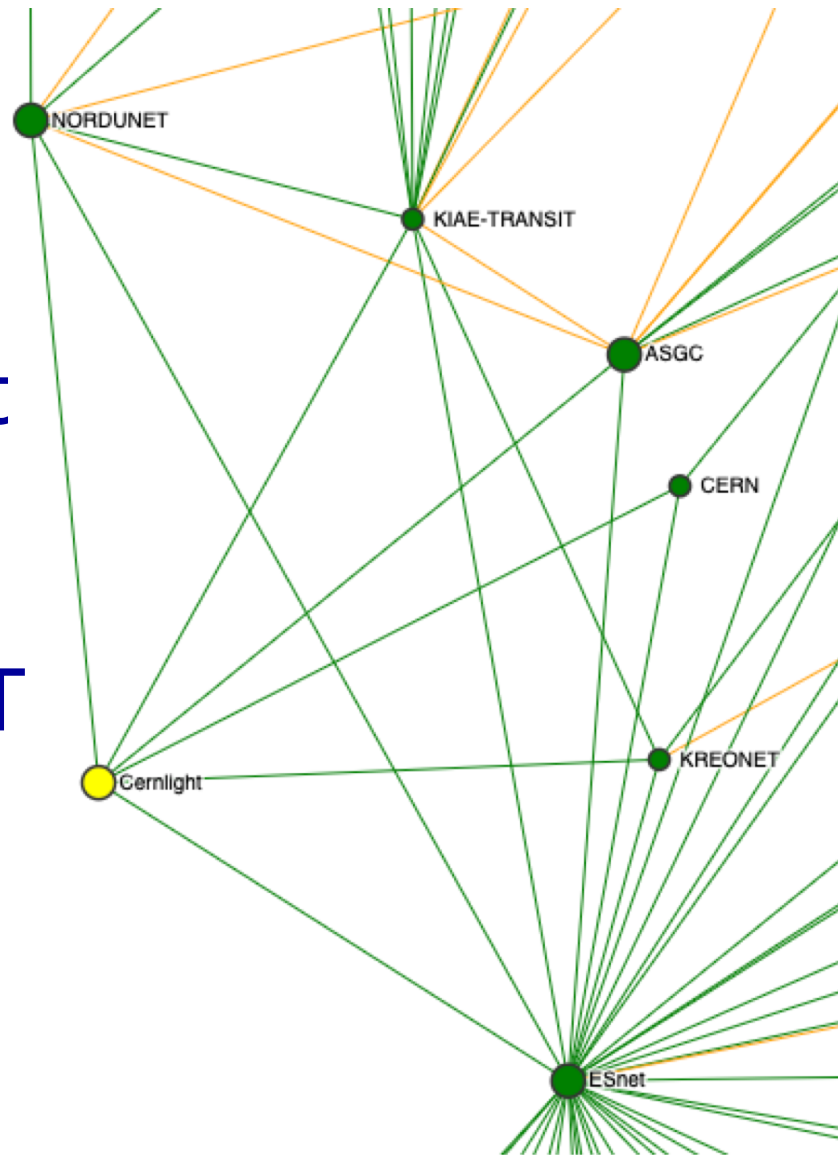


## New Peering with Esnet and KIAE ASGC





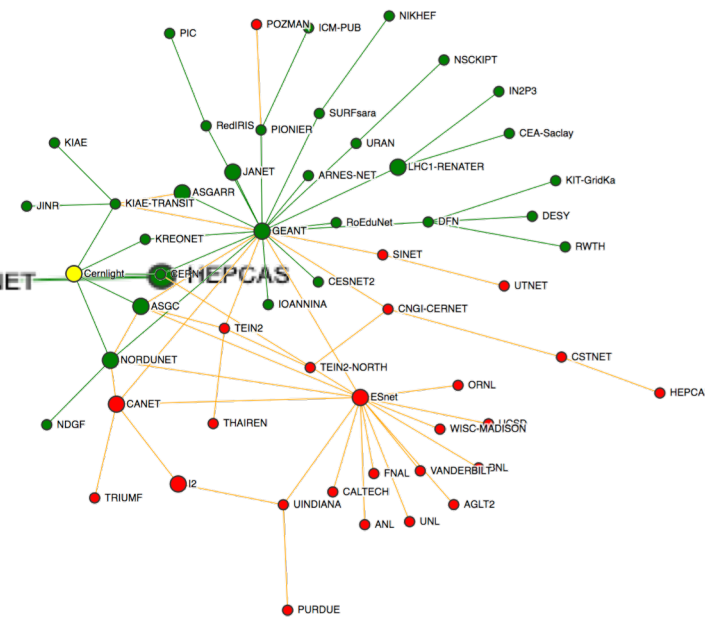
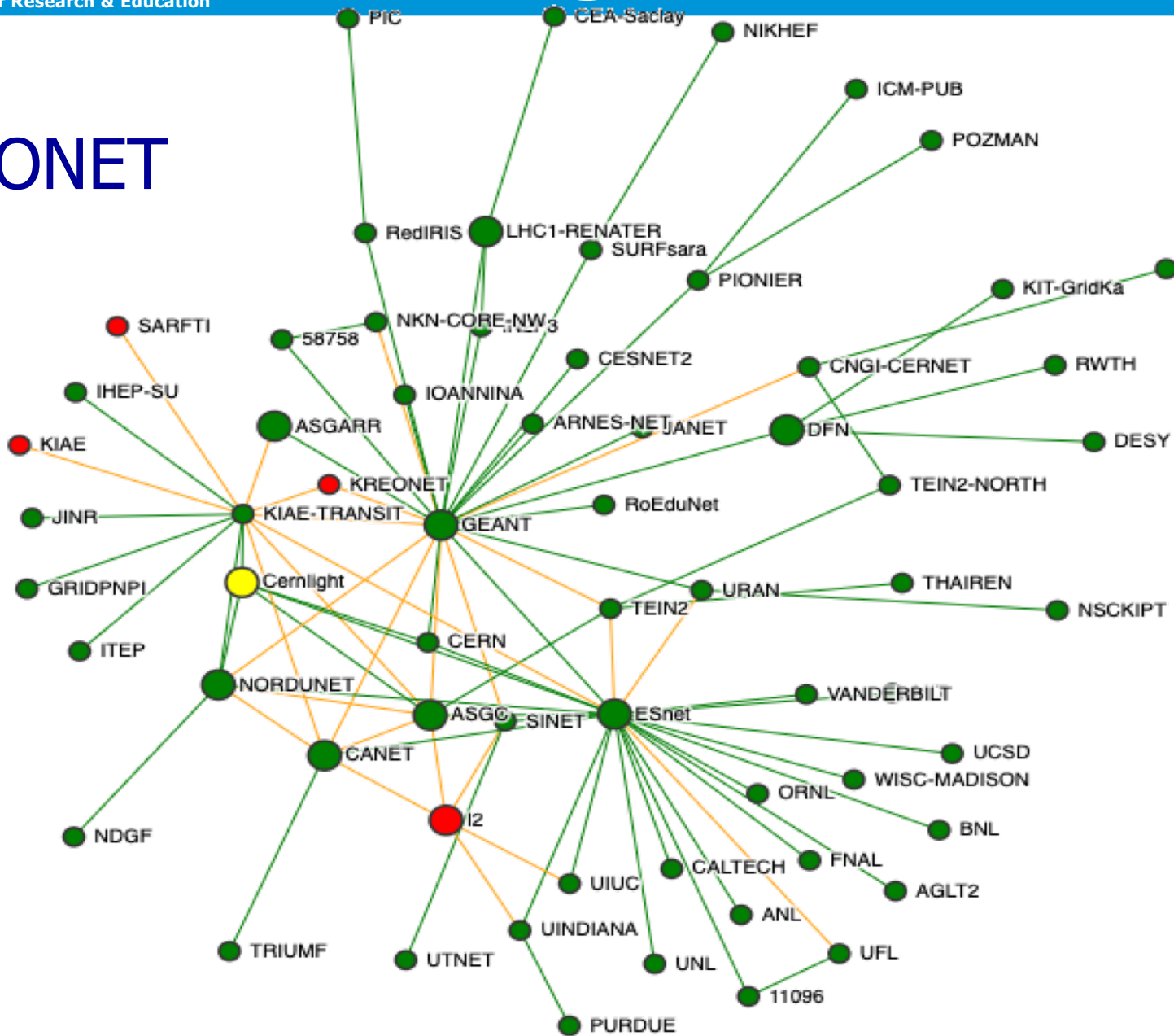
- ~~Pionier~~
- Nordunet
- KIAE
- ASGC
- KREONET
- Cern
- ESnet

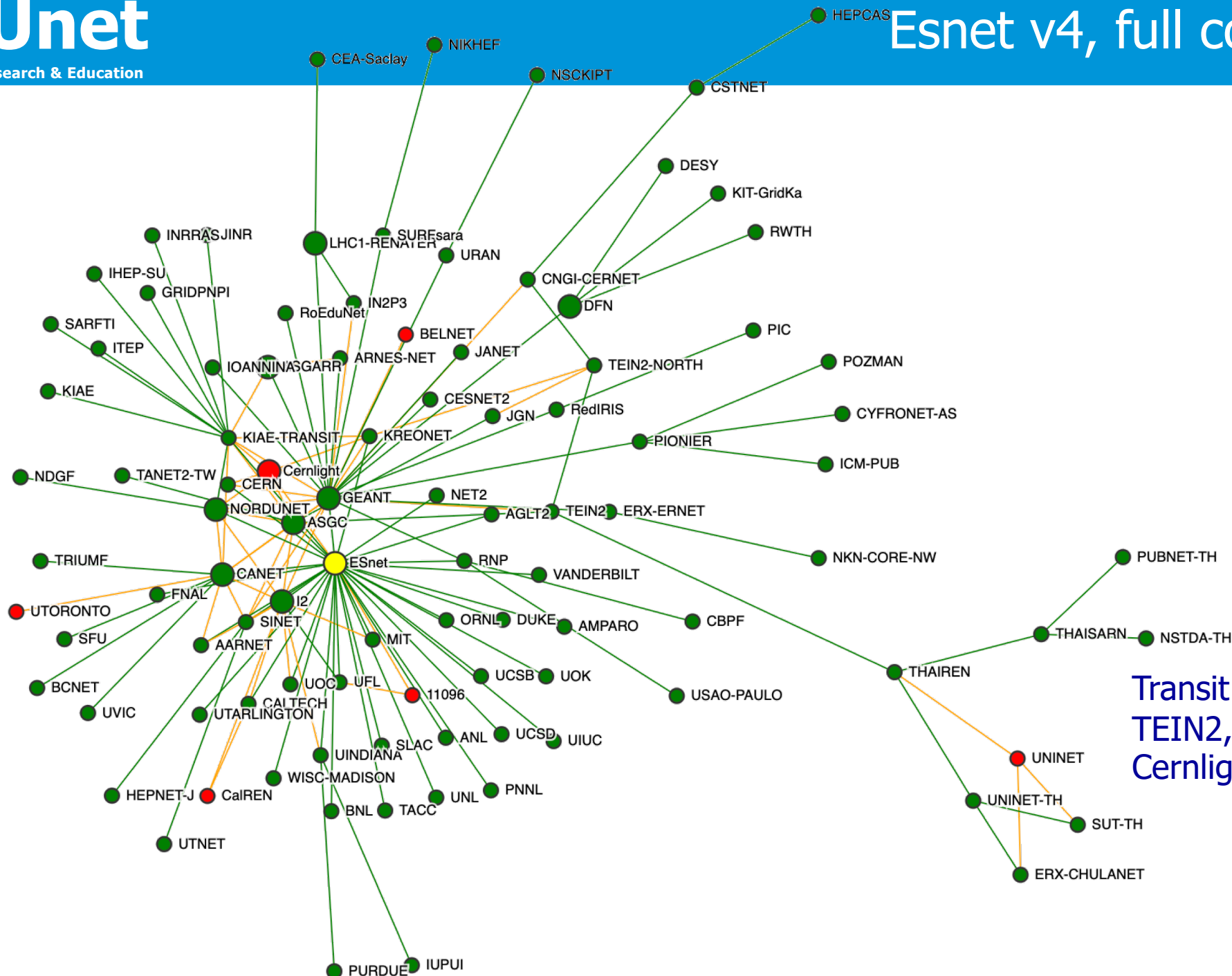


# NORDUnet Cernlight v6

Nordic infrastructure for Research & Education

- KREONET

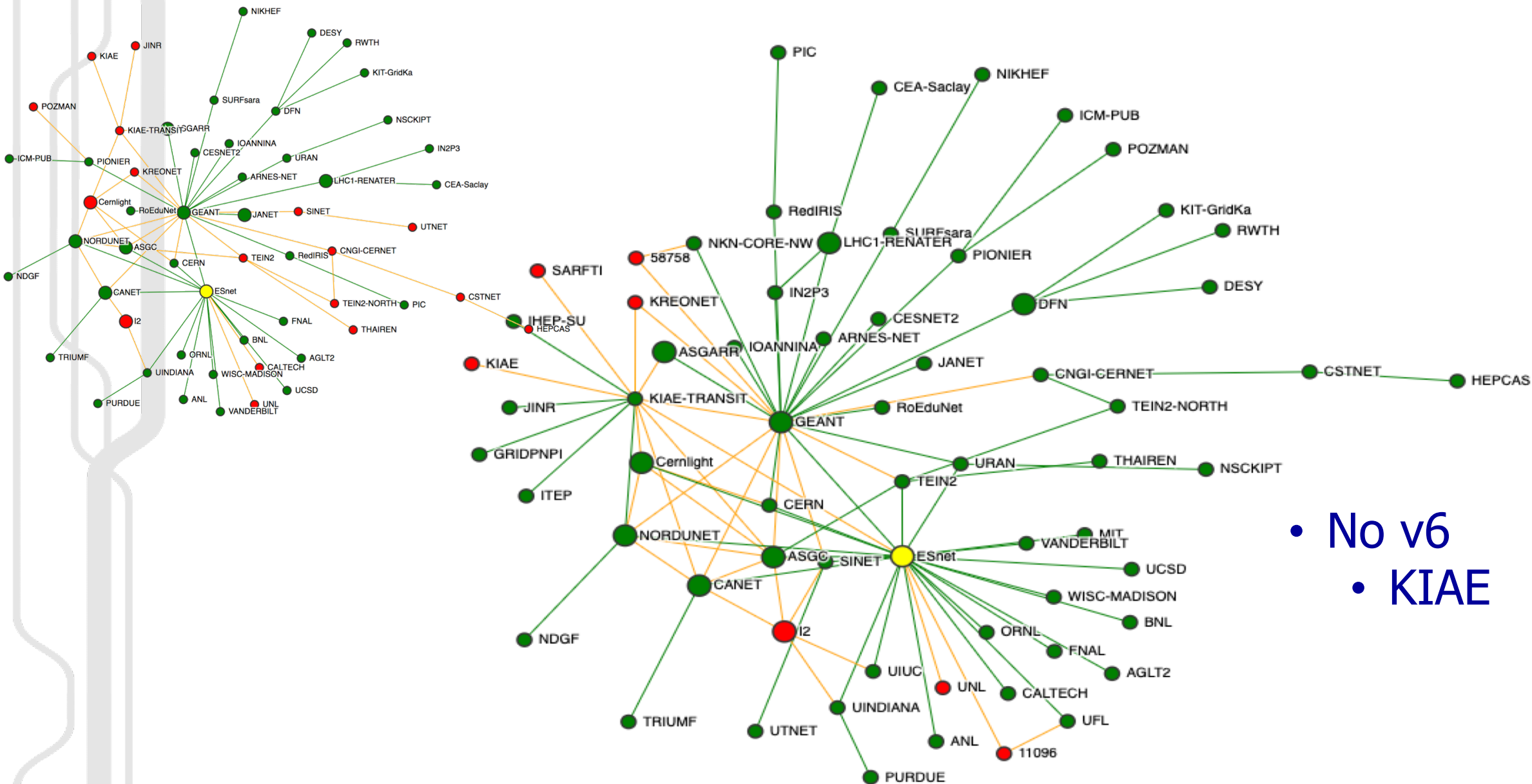




Transit AS:  
TEIN2, CaREN,  
Cernlight







- No v6
- KIAE

- No AS / NSP has connectivity to the complete LHCone
  - Store and forward get you connectivity
- V6 connectivity have potential for improvement
- [http://stats.nordu.net/pt/lhcone\\_v6.html](http://stats.nordu.net/pt/lhcone_v6.html)
- [http://stats.nordu.net/pt/lhcone\\_v4.html](http://stats.nordu.net/pt/lhcone_v4.html)

# NORDUnet

Nordic infrastructure for Research & Education

