NORDUnet 100G Outlook

Outline of NORDUnet predictions for
100G and uptake - supporting the
Global NREN community

10.000ft architecture perspective

IP

- Shared IP
- Intelligence to the edge
- Many-to-many, unpredictable, light applications

Switching Fabric

- BoD, Dynamic Lightpath
- OTN, TMPLS, MPLS
- eScience, community apps, shared remote resources

Optical

- Static Full Wave service
- Fibre, DWDM, ROADM
- Heavy apps. HEP goes here.

100G switching fabric to support advanced applications

NORDUnet
Nordic infrastructure for Research & Education

100G uptake

40G
- Commercial available
- Core network service window until 2011

100G
- Initial deployment 2010
- Quick adaption – many waiting for it now
- Core network service window until 2016

2007   2010   2016   2018

Current Development track   ???

10G   40G   100G   400G   1T

New Development track

Elastic Optical Networks