

National Knowledge Network

India

The 3rd Asi@Connect Project Meeting/ March 26 2018
Matrix Building, Biopolis, Singapore



National Knowledge Network (NKN) is empowering Digital India, as today it is the primary backbone for all eGovernance initiatives in the country.

1649
Institute
Connected to
NKN

31
Point of
Presence in
State Capital

**28 State Data
Centre &
26 SWAN**
Connected to
NKN

490+
District
Links

3
International
Point of Presence
Singapore
Amsterdam
&
Geneva
& 1Gbps link to Sri-
Lanka

700 Gbps
Traffic moving
across NKN
Network

More than 5
Petabytes of
data flows
across NKN
daily

24*7
Network
Monitoring
Centre

Up to 20
Gbps
of
Bandwidth to
multiple
Institutes

Peering
With
7
International
Education and
Research Network

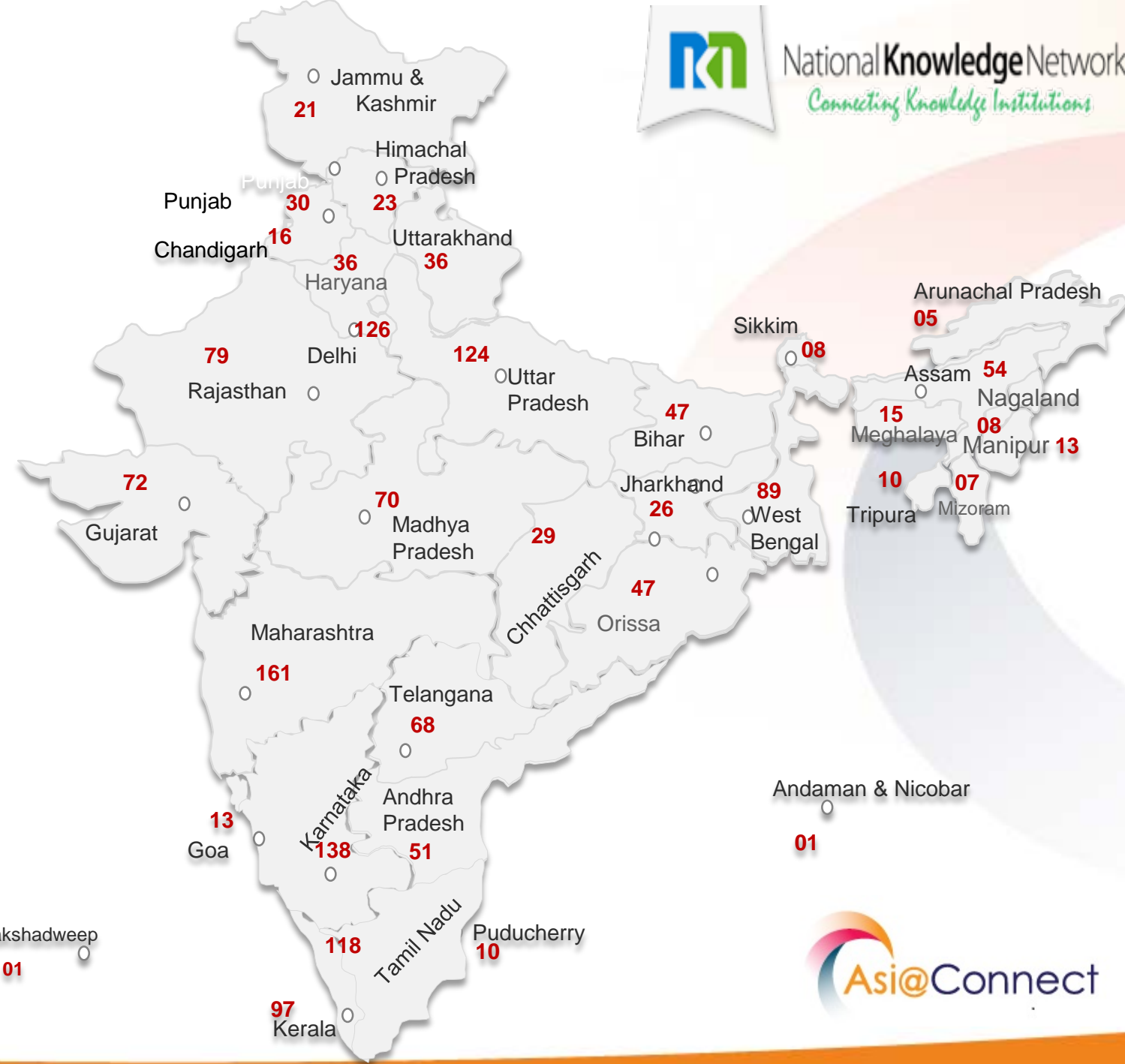
GEANT, Internet2,
SingAREN,
Asi@Connect,
CERN
NORDUnet &
LEARN





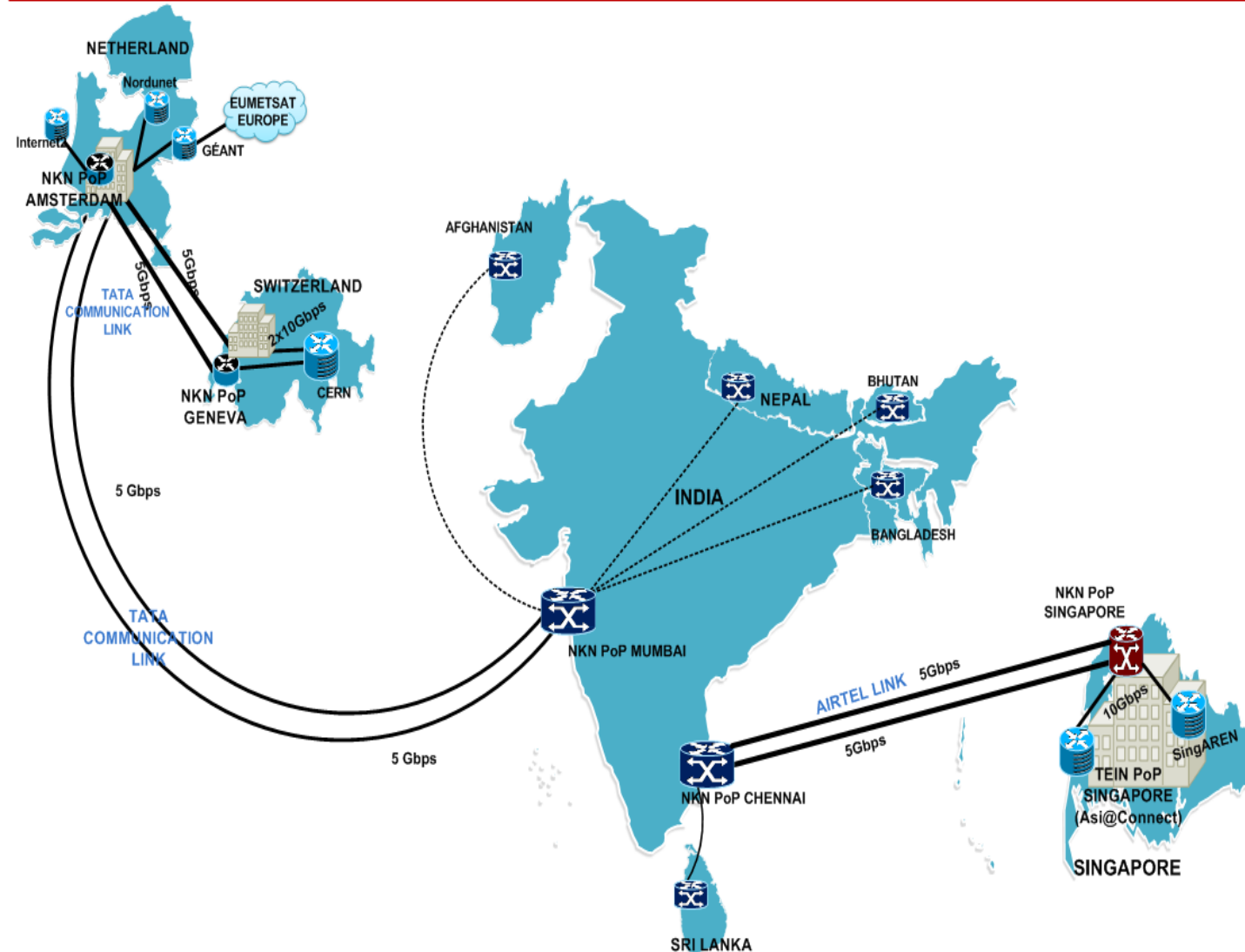
Educational Network

- 1649 institutes connected thereby touching and empowering over 5 cr. students and faculty
- 460+ universities connected to NKN
- 20 NKN links upgraded up to 20 Gbps based on their usage
- 66+ Virtual Classrooms



NKN International Presence

NKN INTERNATIONAL POP LAYOUT

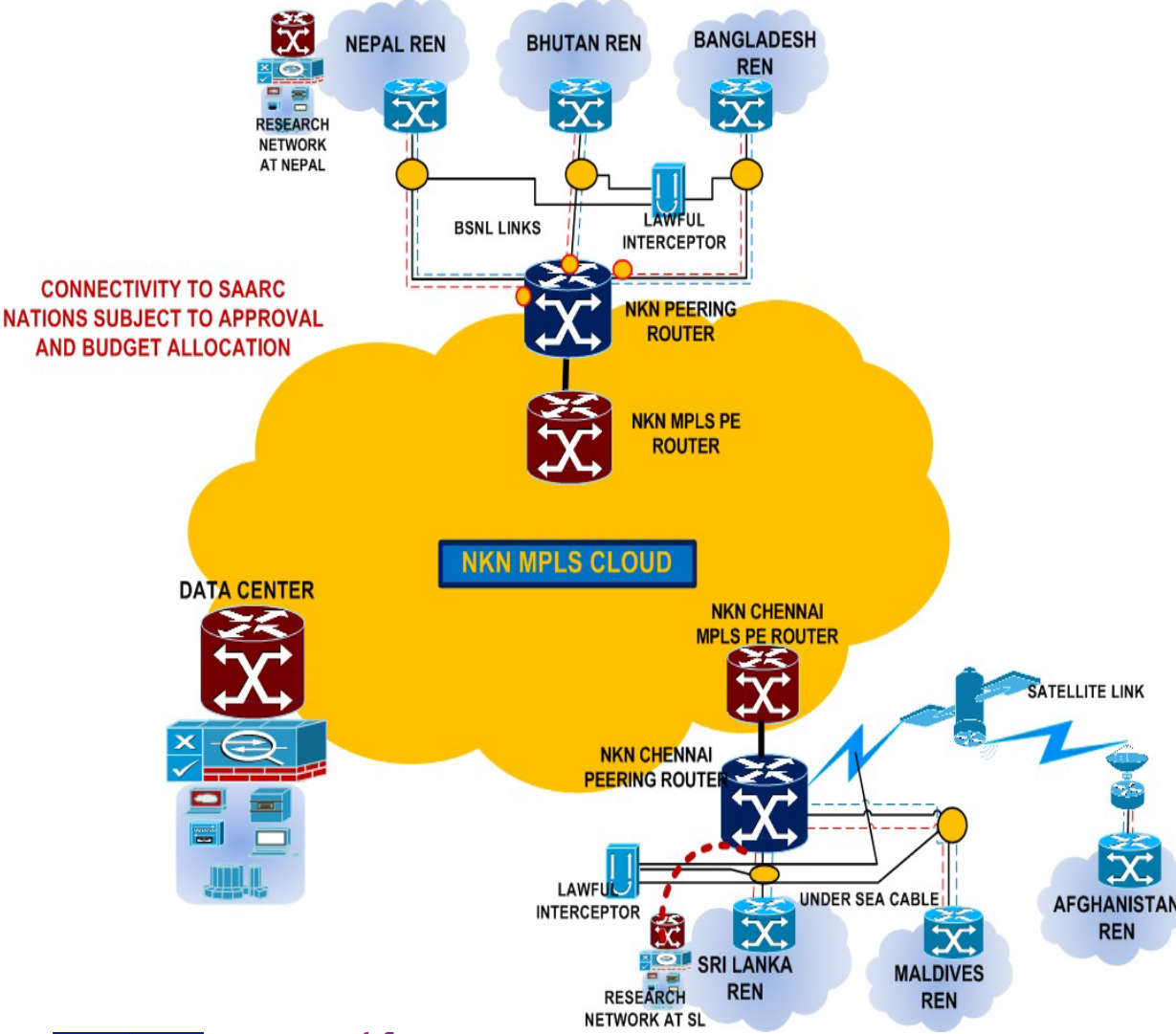


- Setup up its PoP's at Singapore, Amsterdam and CERN, Geneva.
- Peered with Research and Education Networks (RENs) such as TEIN in Asia Pacific, GEANT in Europe, Internet2 in USA and NORDUnet for Nordic countries i.e. Denmark, Iceland, Norway, Sweden and Finland.
- Empowers our researchers to collaborate with the best brains across boundaries on a dedicated high speed link with direct peering with global Research and Education Network (REN's) over a jumbo frame.

NKN - SAARC (Sri Lanka first country connected to NKN)



- Hon'ble Prime Minister of India at 18th SAARC shared his vision for making South Asian region more connected and more prosperous
- Sri Lanka first country connected to NKN on 15th Jan, 2018
- Process of connecting Nepal, Bhutan, Bangladesh and Afghanistan is underway



CONNECTIVITY TO SAARC NATIONS SUBJECT TO APPROVAL AND BUDGET ALLOCATION



NKN Services

