

# DrukREN

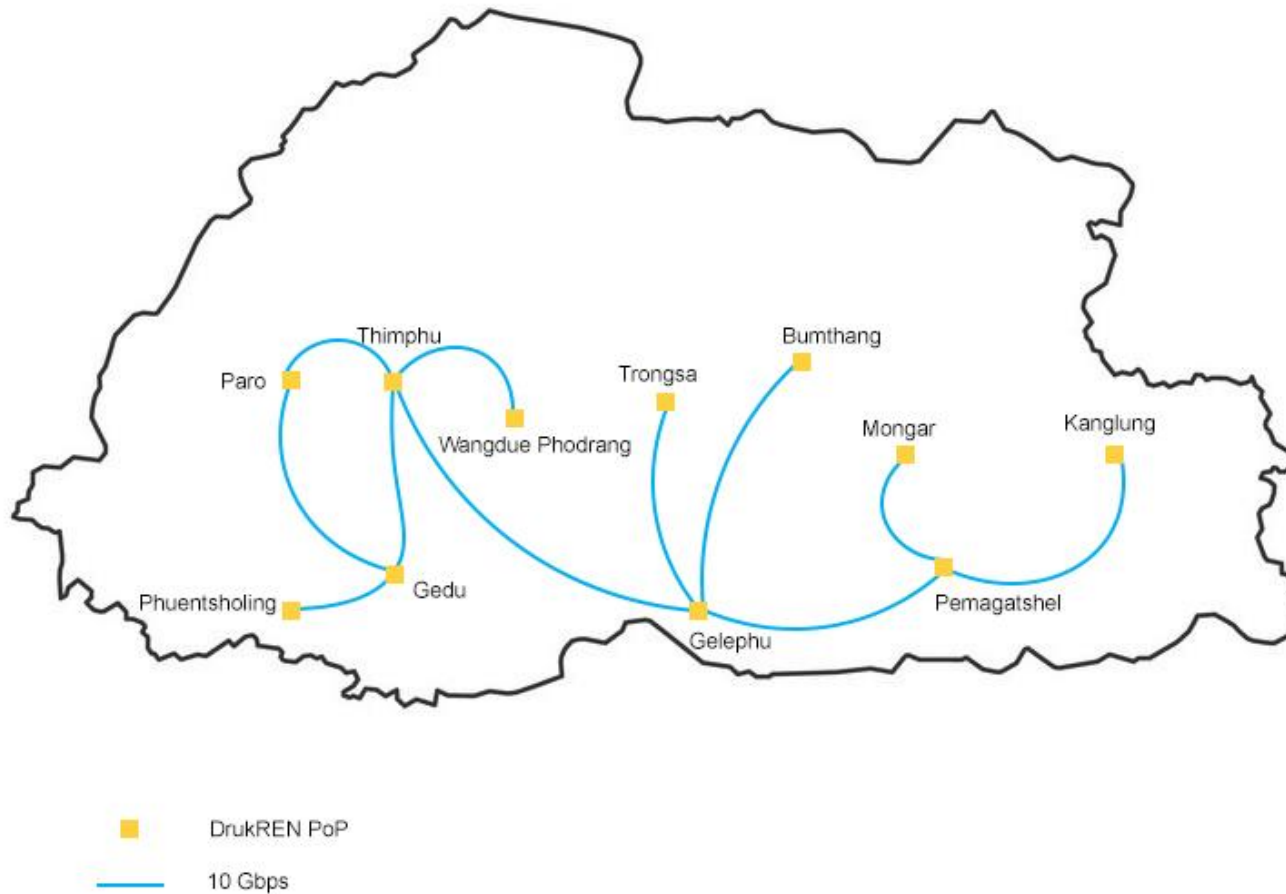
## UPDATE

January 2019  
SANOG 33

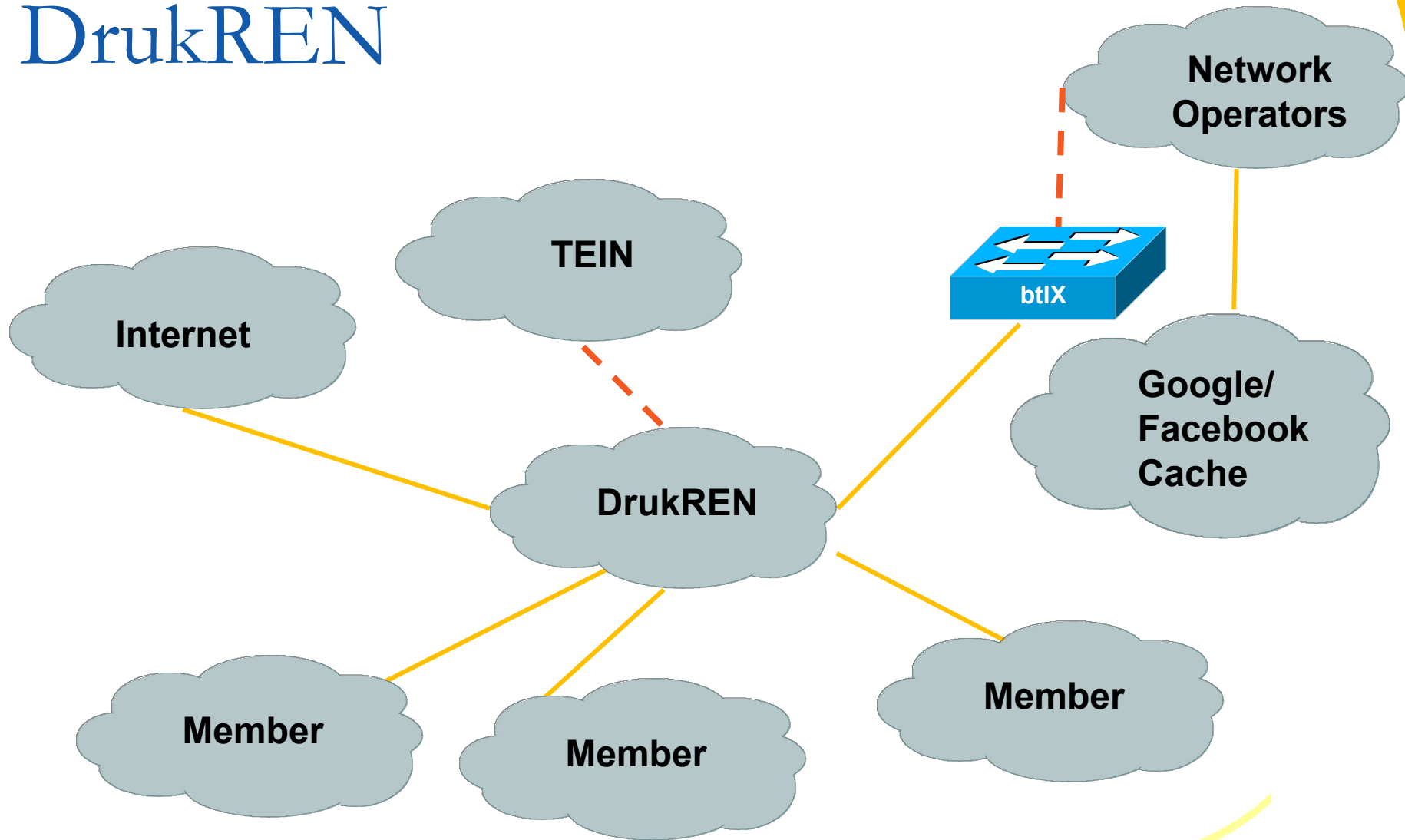


# DrukREN Background

- Started as National Project funded by ADB in 2014 with TA from NSRC.
- 10 Gbps high speed network with 11 Point of Presence (PoP).
- Started off by connecting RUB colleges and later hospitals.
- Became operational in April 2018 & is operated and managed by DITT, MoIC.
- DITT represents DrukREN as member of Asi@Connect Project supported by EU to connect NRENs in Asia Pacific.



# DrukREN



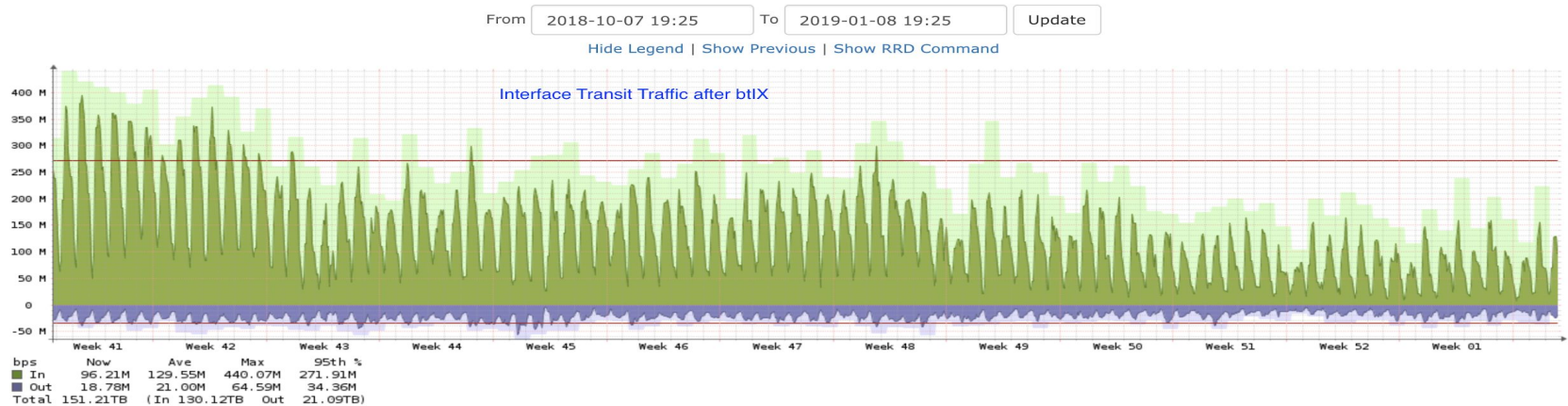
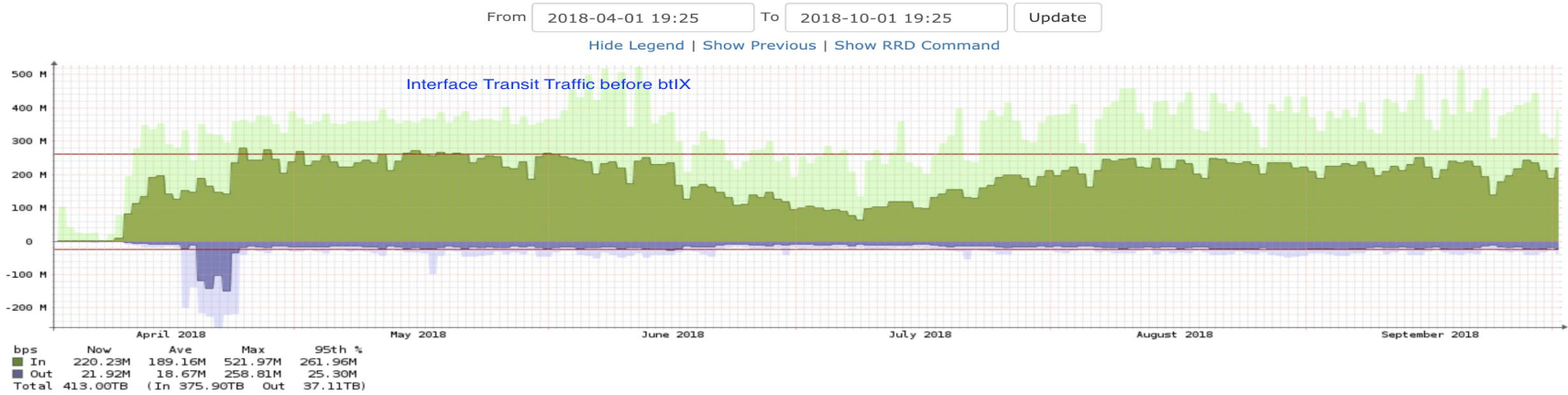
# DrukREN SERVICES

1. 100 Mbps/ 1 Gbps Access to Domestic Contents for DrukREN Members.
2. Research & Education Transit - 1 Gbps access to TEIN4 and global REN via NKN - **TESTING**
3. International Commercial Transit: Bulk Purchase of the Internet Bandwidth

# Status - where are we?

- 21 DrukREN Members
- 5 New Member connection *pending*
- TEIN Connectivity through NKN: 1 Gbps  
(CONNECTED - Testing Phase)
- btIX Connection

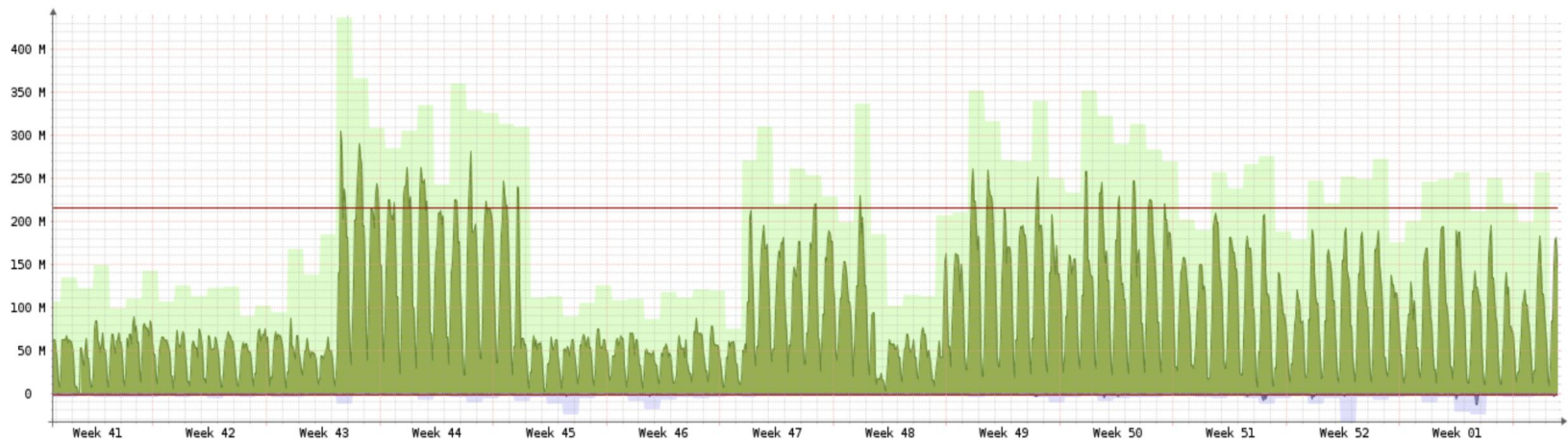
# Transit BW Utilization before and after btIX



# btIX Interface Traffic

From  To

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bps	Now	Ave	Max	95th %
In	146.00M	90.49M	436.14M	216.16M
Out	1.04M	1.06M	33.45M	1.95M
Total	91.94TB	(In 90.88TB Out	1.06TB)	



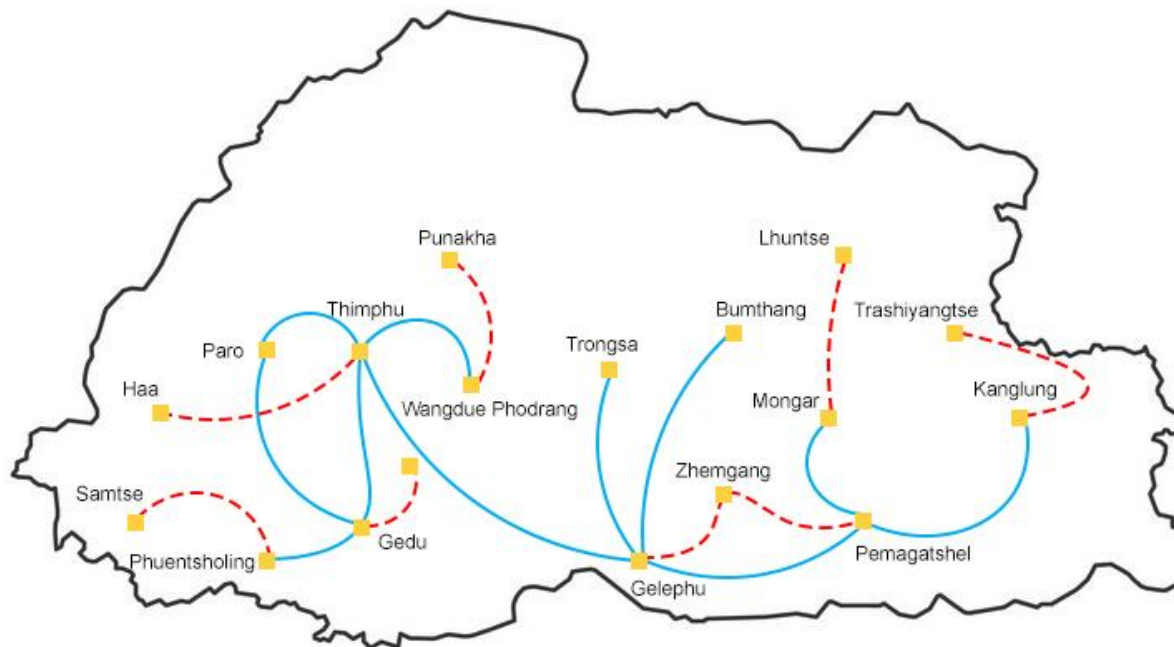
# How to become DrukREN Member

1. Any institutions and organisations involved in research and education
2. Annual DrukREN Membership Fee:
  - 100 Mbps - Nu. 36,000
  - 1 Gbps - Nu. 60,000
3. Download DrukREN AUP and Membership Application Form (visit <https://drukren.bt>)

# DrukREN 2.0

DrukREN Network

*DrukREN*



- DrukREN PoP
- 10 Gbps
- - - Planned 10 Gbps link

# Our Partners



Thank You  
*[kjamyang@drukren.bt/](mailto:kjamyang@drukren.bt/)*  
*[kjamyang@dit.gov.bt](mailto:kjamyang@dit.gov.bt)*