

08
November
2017

Jisc's global reach

Dr Esther Wilkinson, Head of international
Dr Baoyu Wang, International services manager

- » Jisc structure and strategy
- » Jisc international
- » Jisc network and technology

Our vision

For the UK to be the most digitally advanced higher and further education and research nation in the world

Our aim

To enable people in higher education, further education and skills in the UK to perform at the forefront of international practice by exploiting fully the possibilities of modern digital empowerment, content and connectivity

Our strategy 2016-19

- » Listen and respond to our members' needs to make Jisc membership meaningful
- » Develop products that empower our members in HE, research, FE and skills and internationally
- » Invest in and develop the world-class Janet Network
- » Build our financial strength
- » Be seen as the sector leader in the UK and around the globe

Jisc is the UK **higher, further education** and **skills** sectors' **not-for-profit** organisation for **digital services** and **solutions**

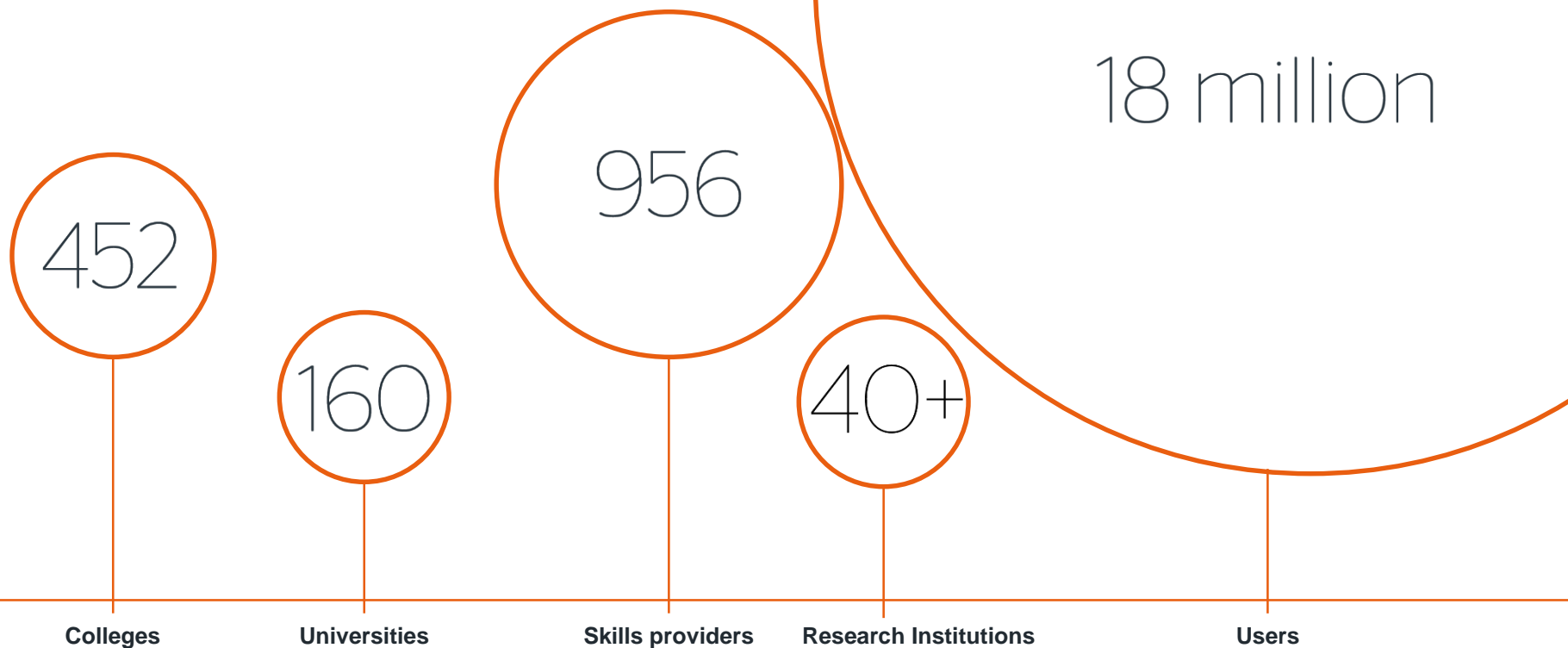
Jisc

We...

Provide trusted **advice** and **practical assistance** for universities, colleges and learning providers

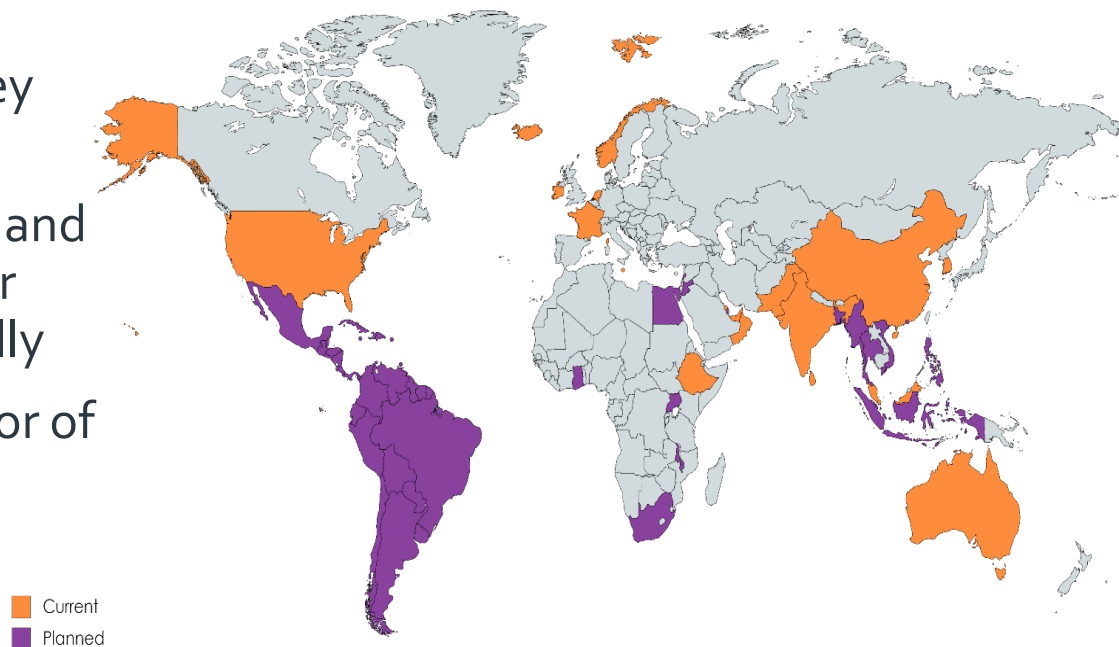
Negotiate **sector-wide deals** with IT vendors and commercial publishers

Operate **shared digital infrastructure** and **services**

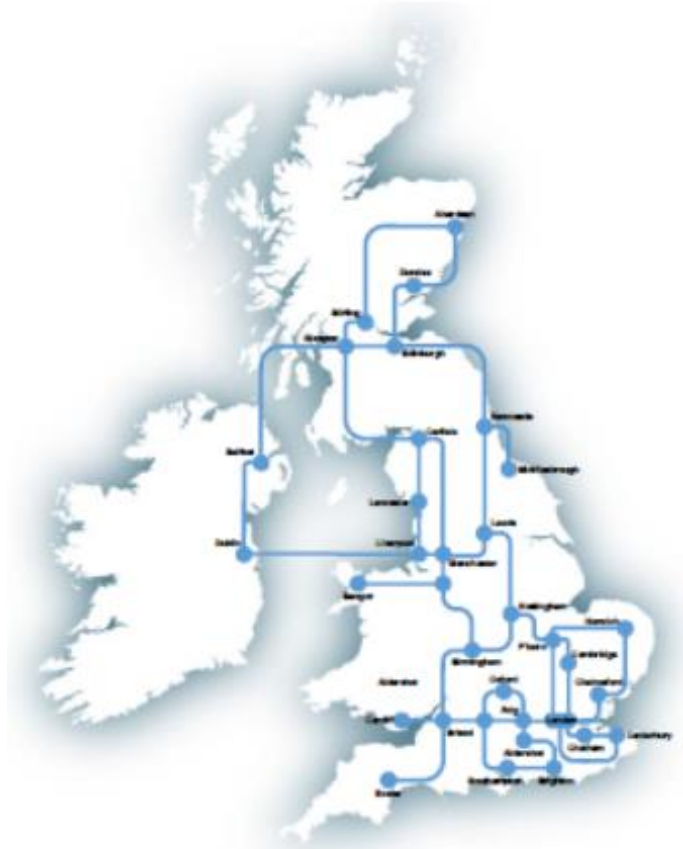


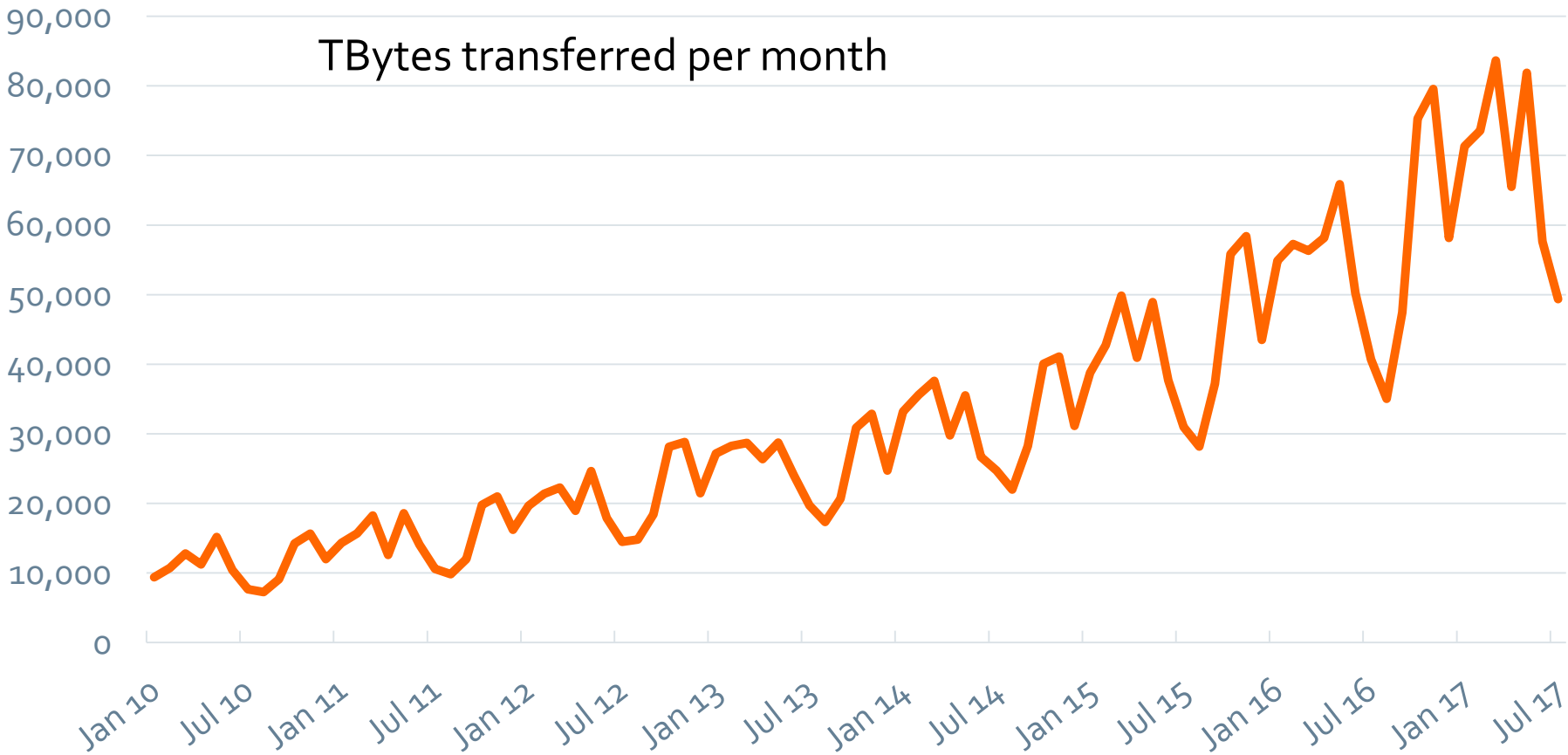
Jisc international strategy 2017/18:

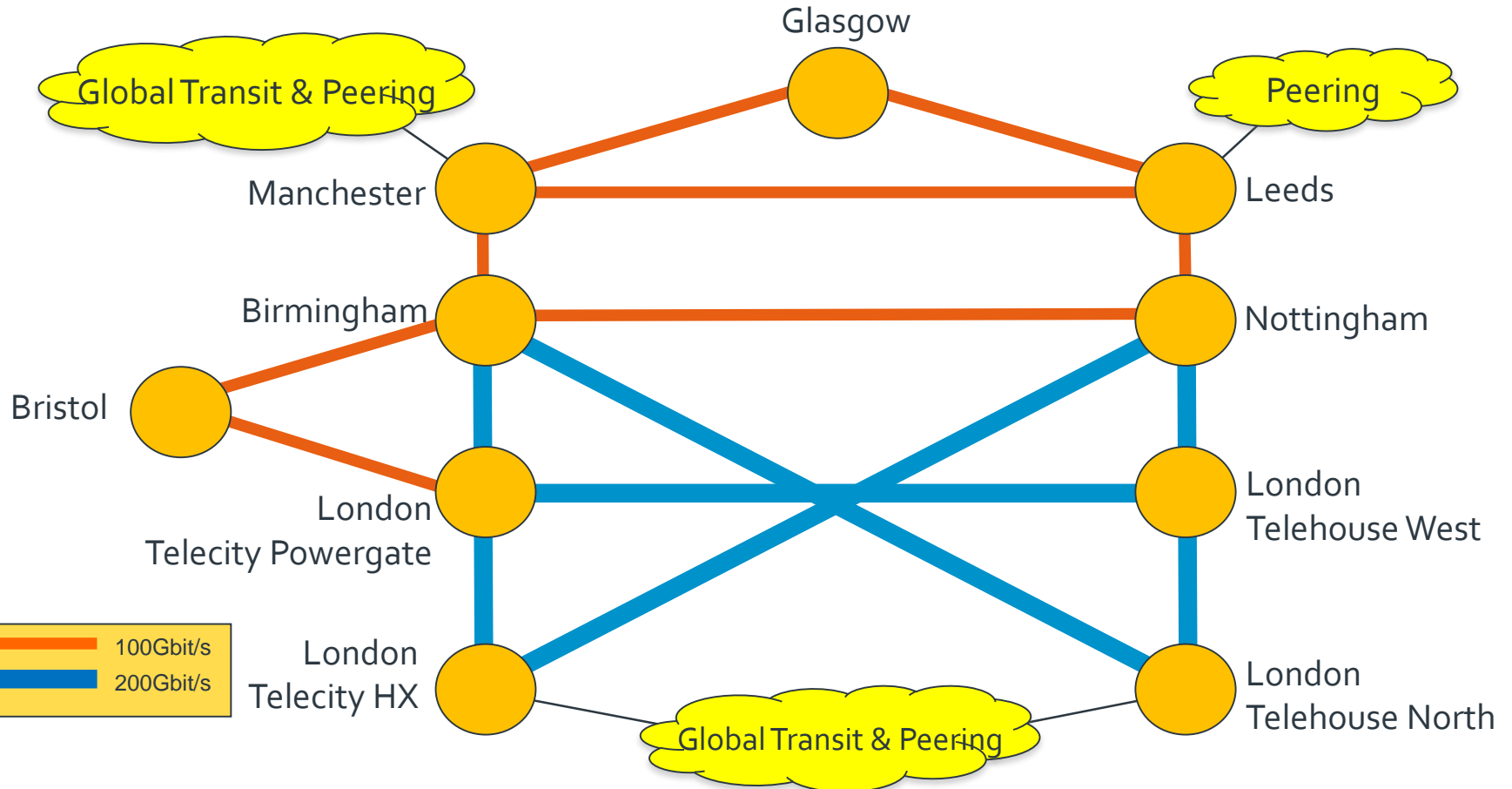
- » Support our members internationally wherever they may be or want to work
- » As a world-leading research and education network, offer our products and services globally
- » Be a leader and a collaborator of choice internationally

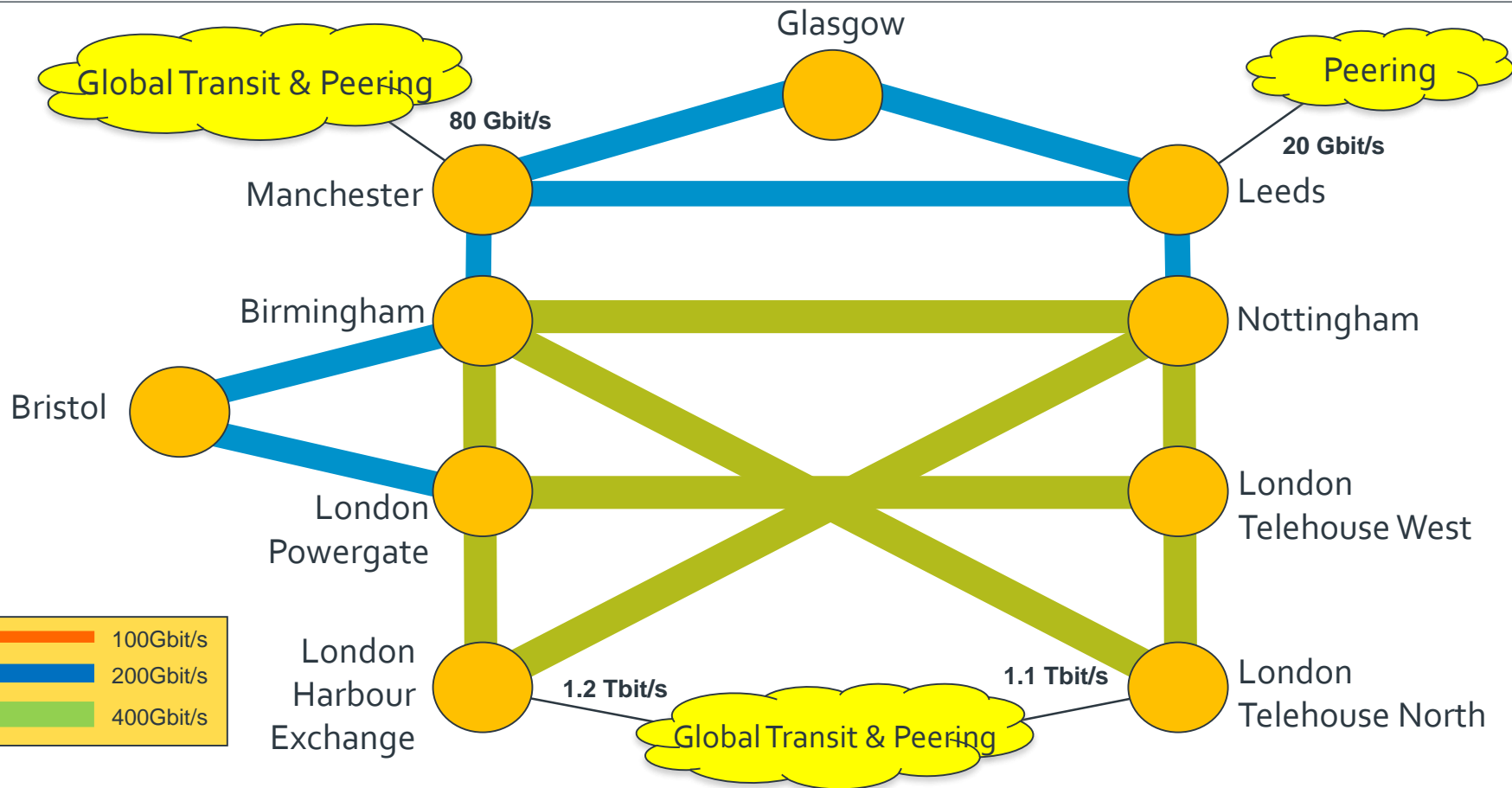


Jisc network and technology

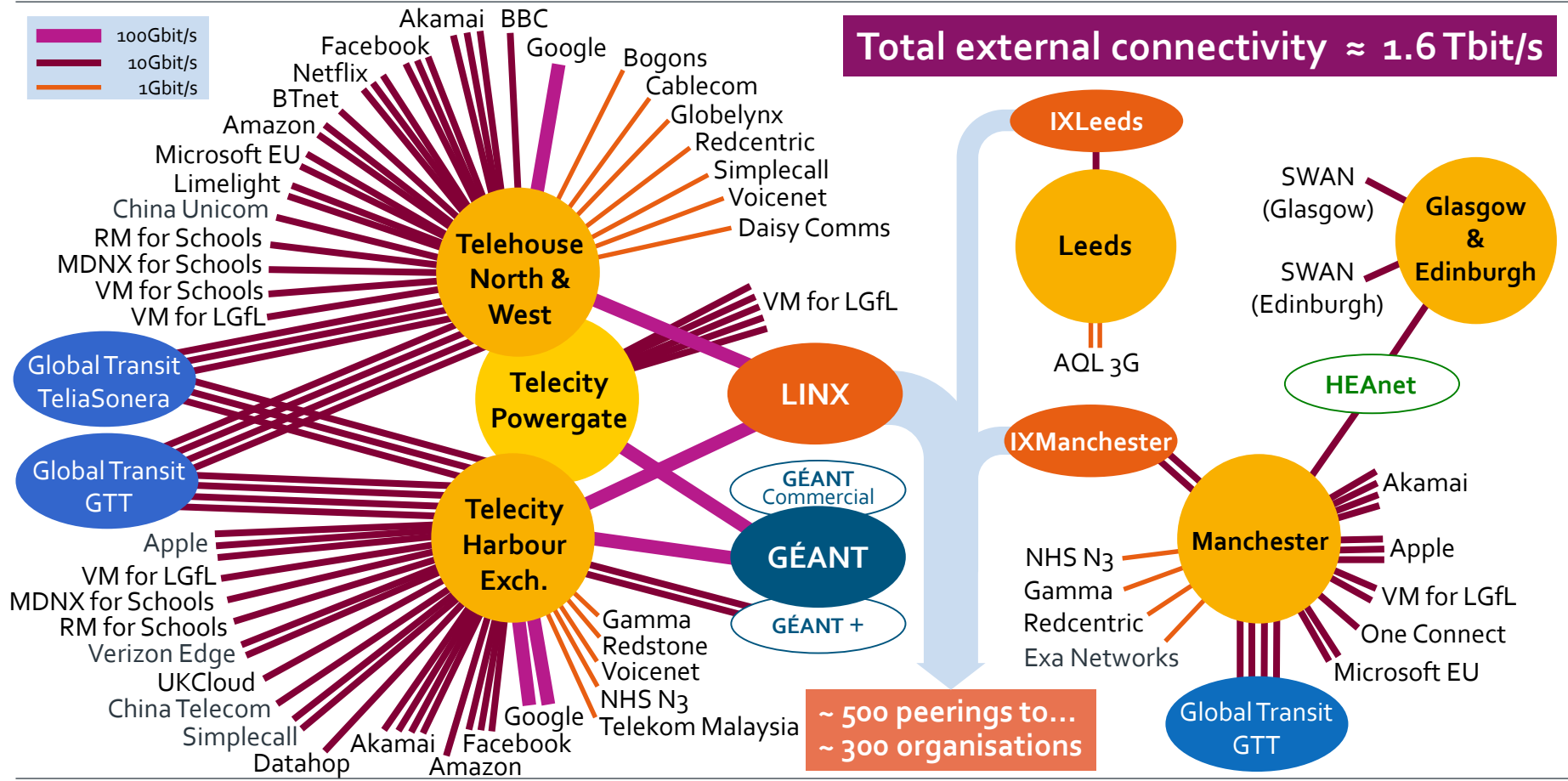






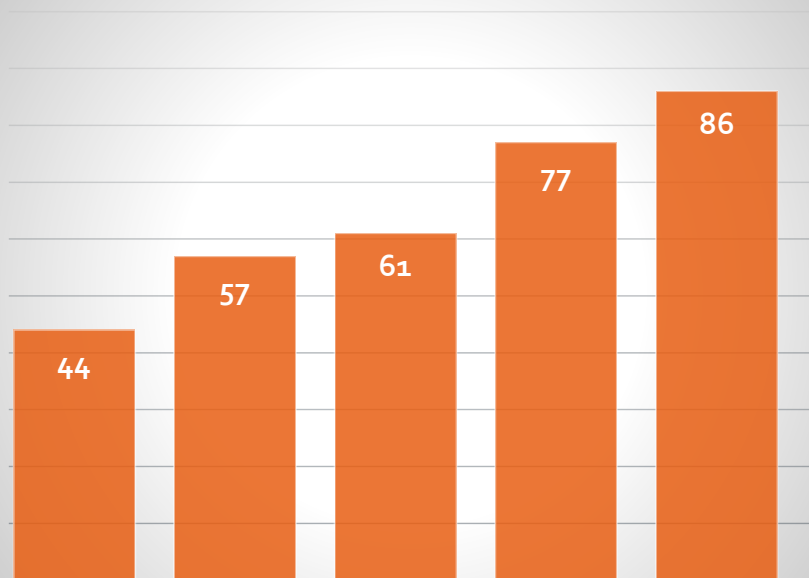


Janet external connectivity

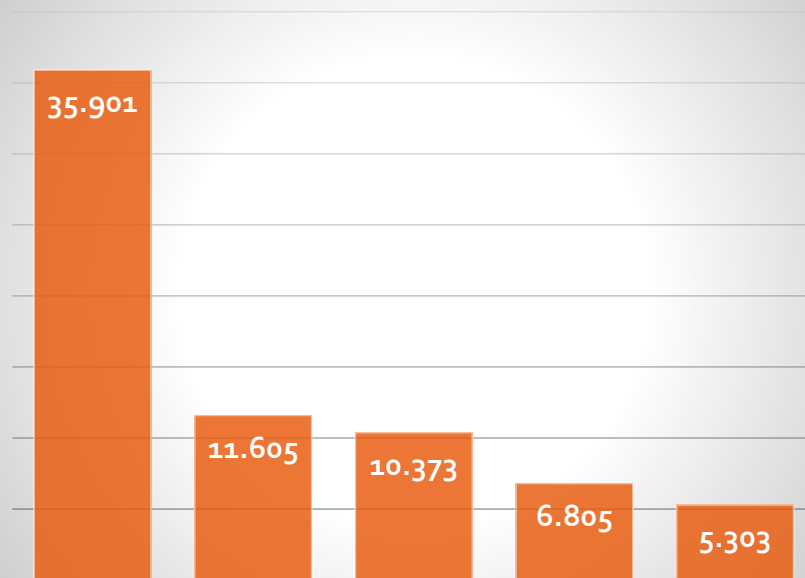


Samples from one week in November in London by a third party

Mean Latency (mS)



Mean Throughput (Mbit/s)



» Cloud services

- › GÉANT framework for IaaS
- › Microsoft ExpressRoute
- › Shared Data Centres (SDC)
- › Direct Peering
- › Consultancy and implementation services

» Information security

- › GDPR

» Trust and identity

- › Managed Federation Service
- › Liberate

» e-infrastructure

» Training

» Cybersecurity

- › Janet network Security Operations Centre
- › DDoS Mitigation
- › Web filtering and monitoring
- › Vulnerability assessment and information
- › Simulated phishing and associated training
- › Personal certificates for email
- › Penetration testing
- › Security X-ray
- › Cyber Security assessment
- › Cyber Essentials

» www.jisc.ac.uk/network/security

- » UK reaches China via GÉANT (ORIENTplus, Asi@connect) in addition to commercial links with China Telecom and China Unicom
- » Researchers are content with using the IP service for connectivity therefore minimal requests for point to point connectivity with Chinese Institutions
- » Total traffic Jisc exchange with CERNET and Chinese ISPs is ~3.5 Gbps, CERNET traffic is about one third
- » Concern from UK institutions about the potential impact of new Chinese government policy on VPNs in China e.g. access to content on VLE's hosted overseas for teaching and learning

- » Janet historic direct peering link with CERNET in late 1990's. Link replaced by ORIENT and ORIENTplus since 2005
- » Jisc collaboration with CERNET to support TNE in China, mainly troubleshooting connectivity issues for users in China and the UK
- » A Strategic Alliance between CERNET and Jisc was established in 2013 initially to support TNE. This is currently being extended and will cover other areas of collaboration

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