

ESnet update with proposed European Extension

Inder Monga
Chief Technologist & Area Lead

GLIF Americas 2013





Agenda



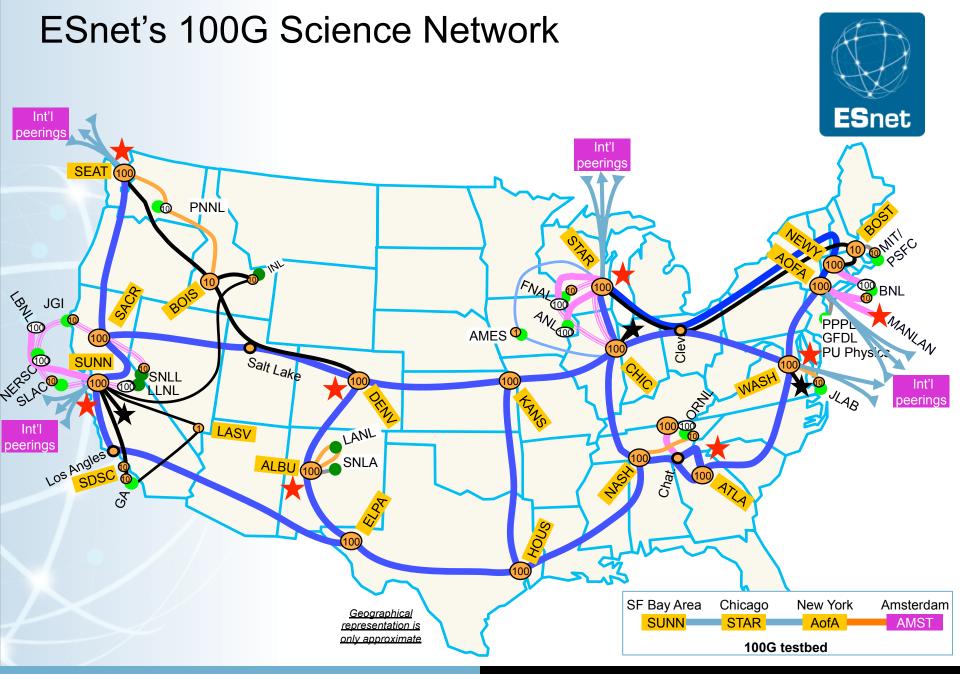
ESnet News

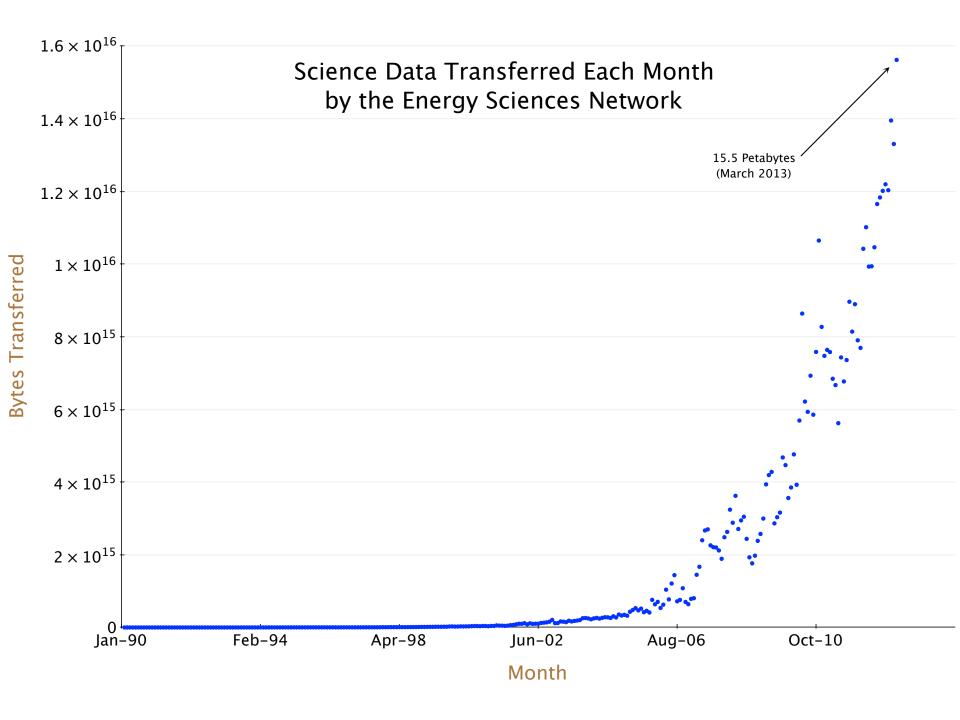
TransAtlantic update

Dedicated circuits built with OSCARS software



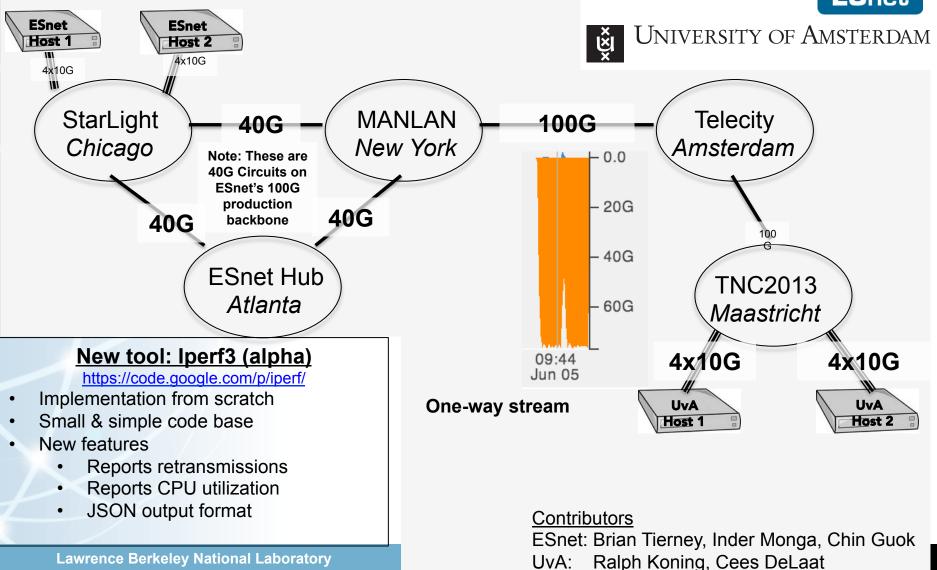






ESnet/UVA 80Gbps Transatlantic Demo



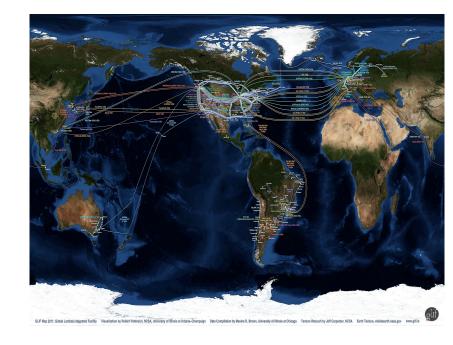


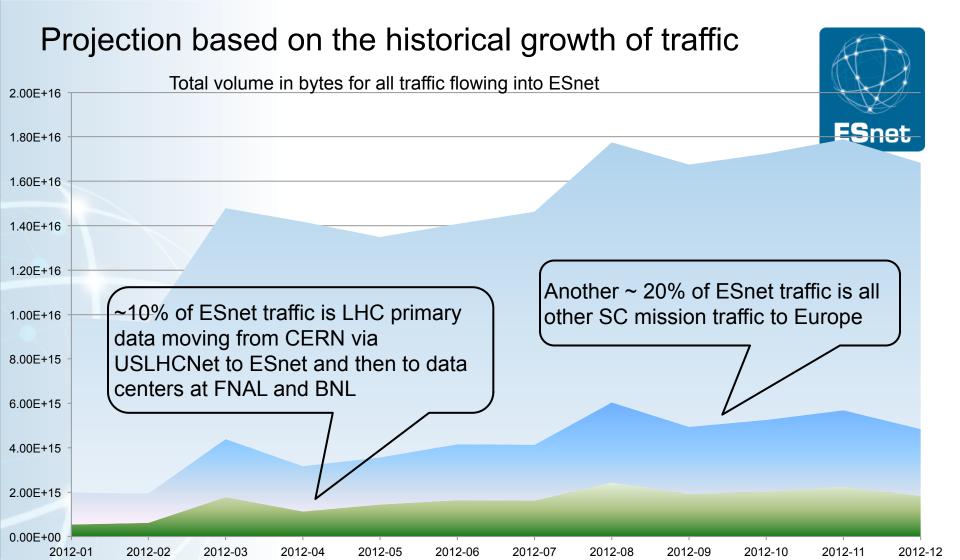
Proposed ESnet European Extension



Motivation for Extension:

- Provide dedicated network capacity for all DOE science that does not depend on donated capacity or continued funding from other agencies or networks.
- Obviate need to build multiple programspecific Transatlantic networks.
- Support all DOE mission traffic to/from Europe.





Projection based on the historical growth of traffic yields a estimate of about 250 Gb/s of European traffic within 5 years

Total accepted

LHCOPN accepted
Int'l accepted

Status

ESnet

July 10th - EEX RFP Issued

August 22nd – DOE Review

August 28th – RFP responses received

RFP response evaluation in progress

Many checks and balances before we procure

Current proposed timeline - sometime between March – July 2014

Depends on many risk factors and funding approvals



Questions?

imonga at es dot net http://my.es.net