

MLAB

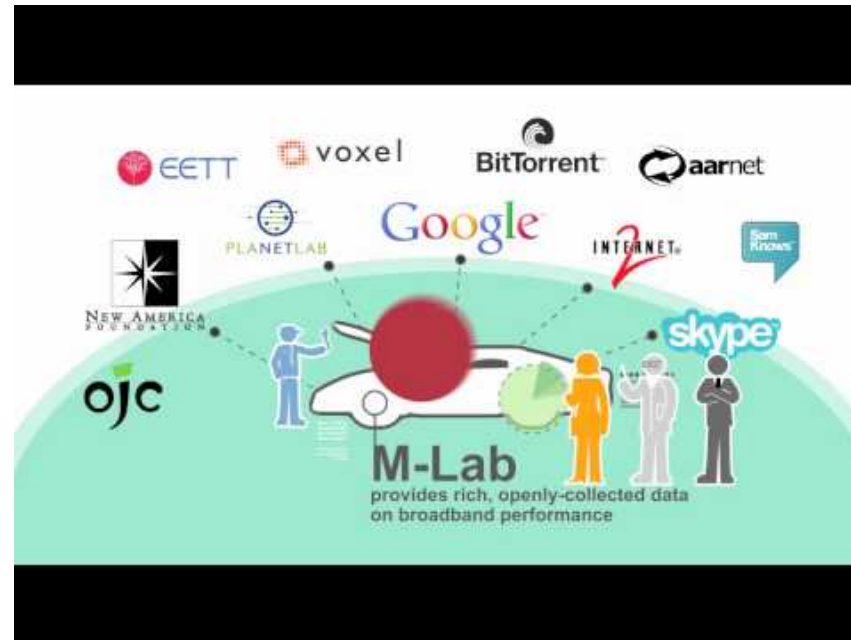
 Measurement Lab 

An Open Resource for Scientific Broadband Data

Thomas Gideon, New America Foundation

Tiziana Refice, Google

The Elevator Pitch



Measurement Lab is...

- Open, distributed platform for Internet Measurement
- A **resource** for researchers, consumers, policy makers
- Transparency = healthy, innovative Internet

Measurement Lab includes...

- Tools for users
- Infrastructure for researchers
- Data for policy makers
- ~150K users daily equaling >400TB of data

Researchers

- Open data
- Well known infrastructure
- A consistent environment

Diversity and Quantity of Measurements

- TCP configuration and performance
- Treatment of specific applications
- Traffic shaping

Consumers

Run NDT

YOUR TEST RESULTS

SUMMARY

DETAILS

ADVANCED

UPLOAD SPEED

35 mb/s

DOWNLOAD SPEED

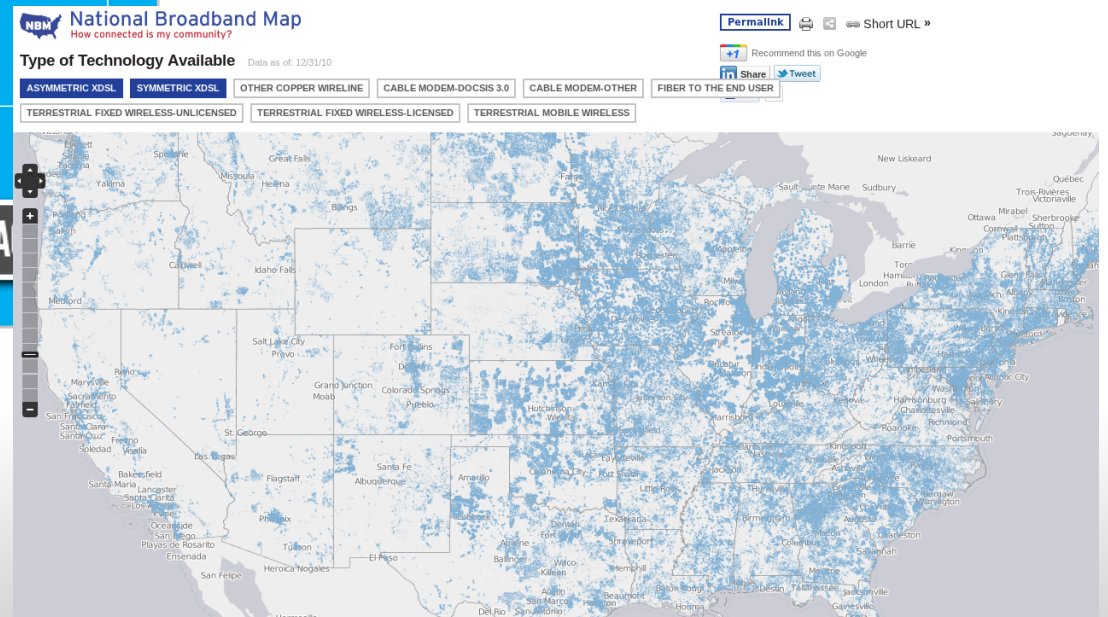
9.4 mb/s

Network latency: 75 msec round trip time
Jitter: 42 msec

MLAB

[More information about M-Lab](#)

TEST A



Policy Makers

- Customized tests
 - The FCC's Consumer Broadband Test
 - EETT's SPEBS Web 2.0 Application

EETT

Ελληνικά | English

[Login](#) | [Register](#) | [Help](#)



System for Performance Evaluation of Broadband Connection Services

[New measurement](#)

[Map](#)

Measurements of registered users in your area



Contribute to the map development by registering to the application. Your connection and measurements' statistics will become geographically mapped.

[Downstream](#) | [Upstream](#) | [Packet Loss](#) | [RTT](#) | [Jitter](#)



[All days](#)

[Mon - Fri](#)

[Sat - Sun](#)

[Anytime](#)

[00:00 - 08:00](#)

[08:00 - 16:00](#)

[16:00 - 00:00](#)

SPEBS users are fully responsible for the accuracy of their declared broadband connections' characteristics (i.e. location, download/uplink speed, etc.).

FCC



I Want To Test My Broadband Connection

From where are you currently accessing the internet?

- Home
- Small Business (49 employees or fewer)
- Medium Business (50 to 499 employees)
- Large Business (500 employees or more)
- School, library or community Center
- Mobile connection
- Other

Informing Consumers & Regulators

Visualizing M-Lab data

Recap -- What M-Lab Offers

- Measurement tools built by researchers
- 400+ TB of publicly available data
- Peer reviewed research
- Compelling visualizations

M-Lab in the Future

- Mobile broadband
- Router based measurements
- More servers, more coverage
- More analysis

