

*Some Internet Measurement
Thoughts*

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RIPE MAT Co-Chair

RIPE MAT WG

- RIPE is the RIR for Europe; RIPE NCC is their secretariat
- RIPE has working groups on particular topics
- MAT == Measurement, Analysis, and Tools

About MAT

- Network measurement issues of interest to the operational community
 - Intersection of operations and research
- Community input for NCC-operated measurement systems
 - TTM, RIS, ATLAS, ...

Example topics

- High-speed traffic classification techniques
- Visualization of geolocation-based measurements
- RIPE ATLAS system architecture
- <your topic here>

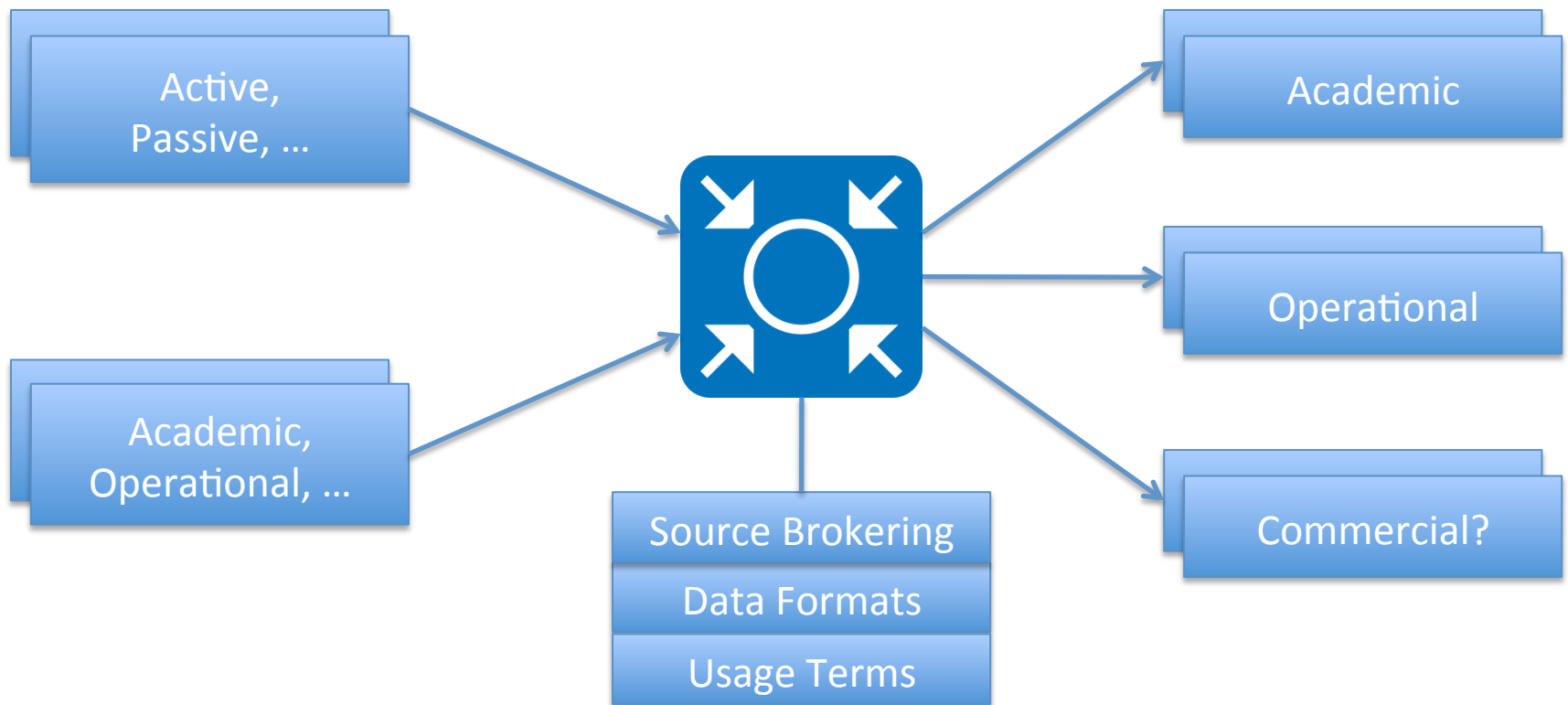
Something we've been discussing

- As discussed at AIMS 2010, there are persistent data-sharing problems in the research community
 - Collect > analyze > publish > delete
- Harder to get data to work with
- Limited comparability of results
- Limited coverage of the Internet
 - Limited generalizability

Can we make this better?

- Overcome some barriers...
 - Incentive: Why will people participate?
 - Technical: How to move data?
 - Trust: Neutral platform; how to manage privacy?
- ... and maybe make some improvements
 - More numerous and more diverse sources
 - Better characterization of data sources
 - Easier access to data sources

What about a meeting point?



Where we are now

- Initial “RIPE Data Repository”
 - <http://labs.ripe.net/datarepository>
 - Basically an FTP server with some data sets
 - 7 sources: RIPE NCC, U. Washington, Waikato, et al.
 - Sign up with RIPE labs to get access
- Initial discussions in the MAT WG
 - General interest across the community
- Initial discussions with some data providers

Questions

- Is this an interesting idea?
- Would you contribute data?
 - How should data get in? FTP? Real-time?
- What would you want to get out of this?
 - Academic, commercial data sets?
 - Active, passive measurements?
- What sort of tools would be useful here?

One more thing...

BBN NetTest

- Effort to make a more useful, more open network measurement tool
 - More interesting tests (HTTP proxy detection)
 - More open data access (your own; groups)
- Currently very early in development
 - Ideas for where to take this?
- Main clients: Java Web Start, J2ME
 - <http://main.nettest.bbn.com/>
- Very preliminary Android client
 - <https://main.nettest.bbn.com/android.html>



Thanks!

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