



WLCG France LHCONE PerfSONAR-MDM workshop

Xavier Jeannin

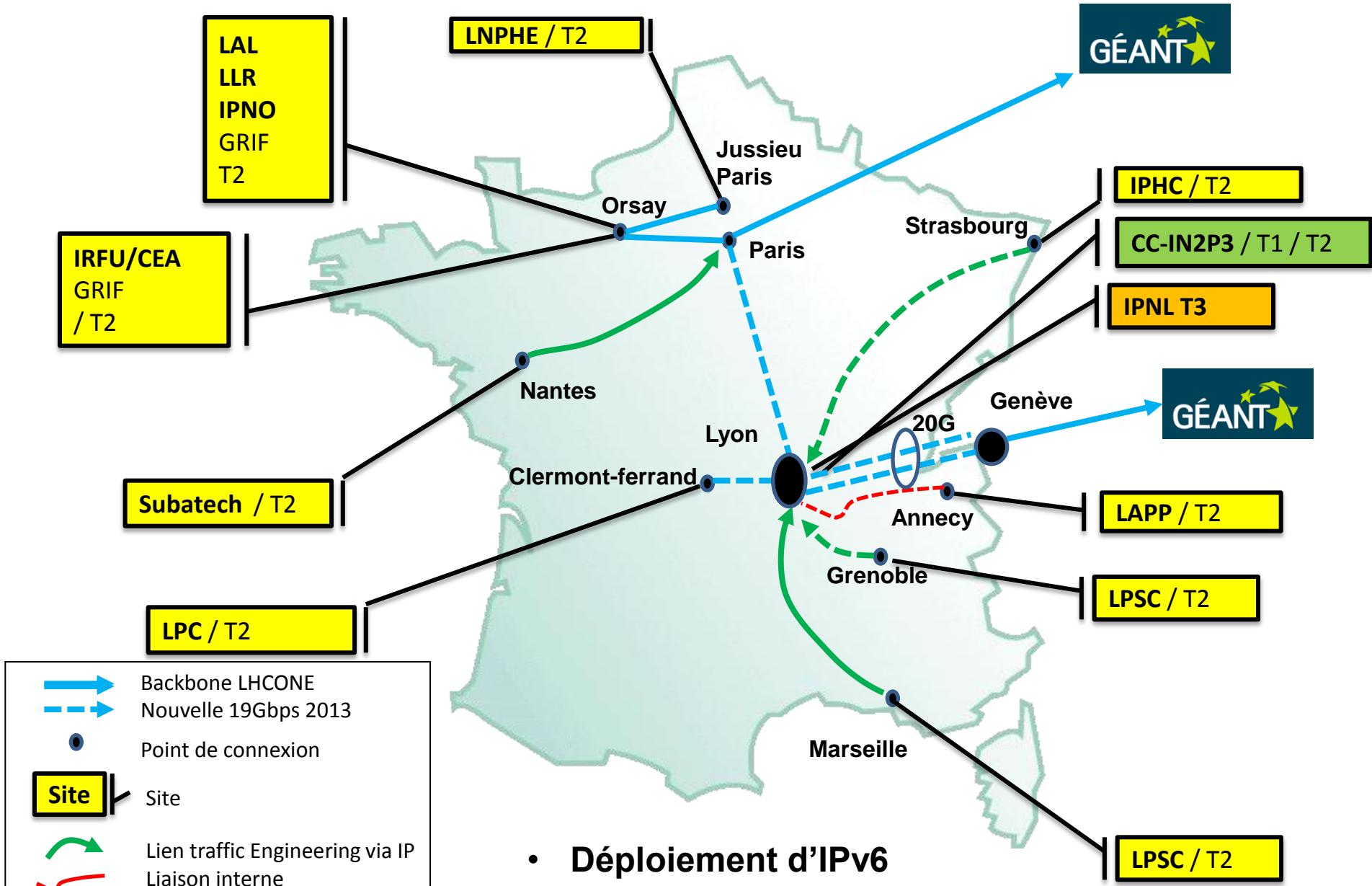
Paris 4th April 2013

<https://indico.in2p3.fr/conferenceDisplay.py?confId=8240>

PerfSONAR-MDM workshop

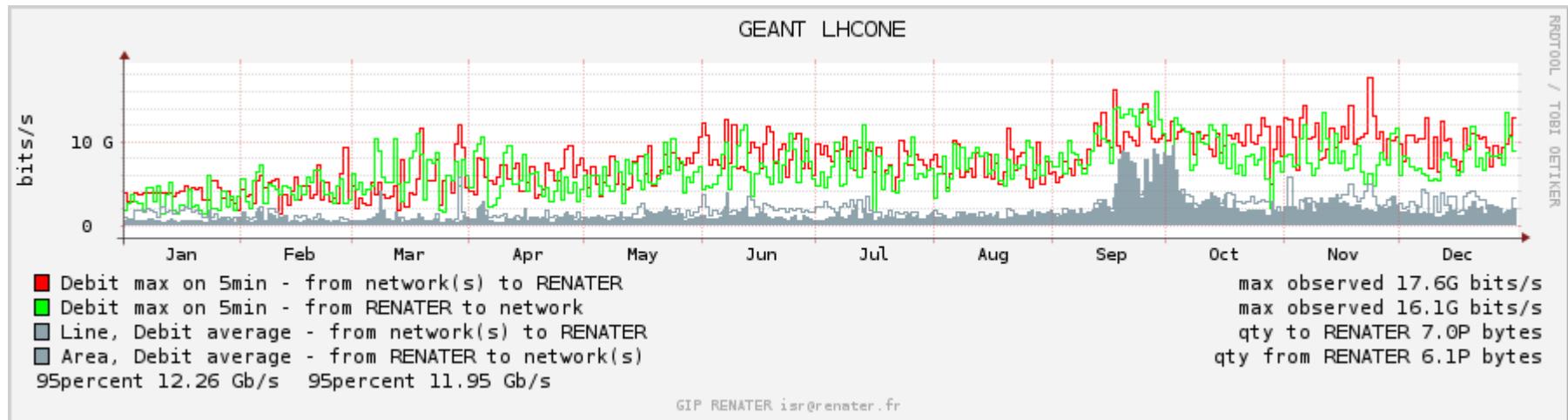
- French LHCONE
- PerfSONAR-MDM RENATER project
- Workshop agenda

French LHCONE 2013



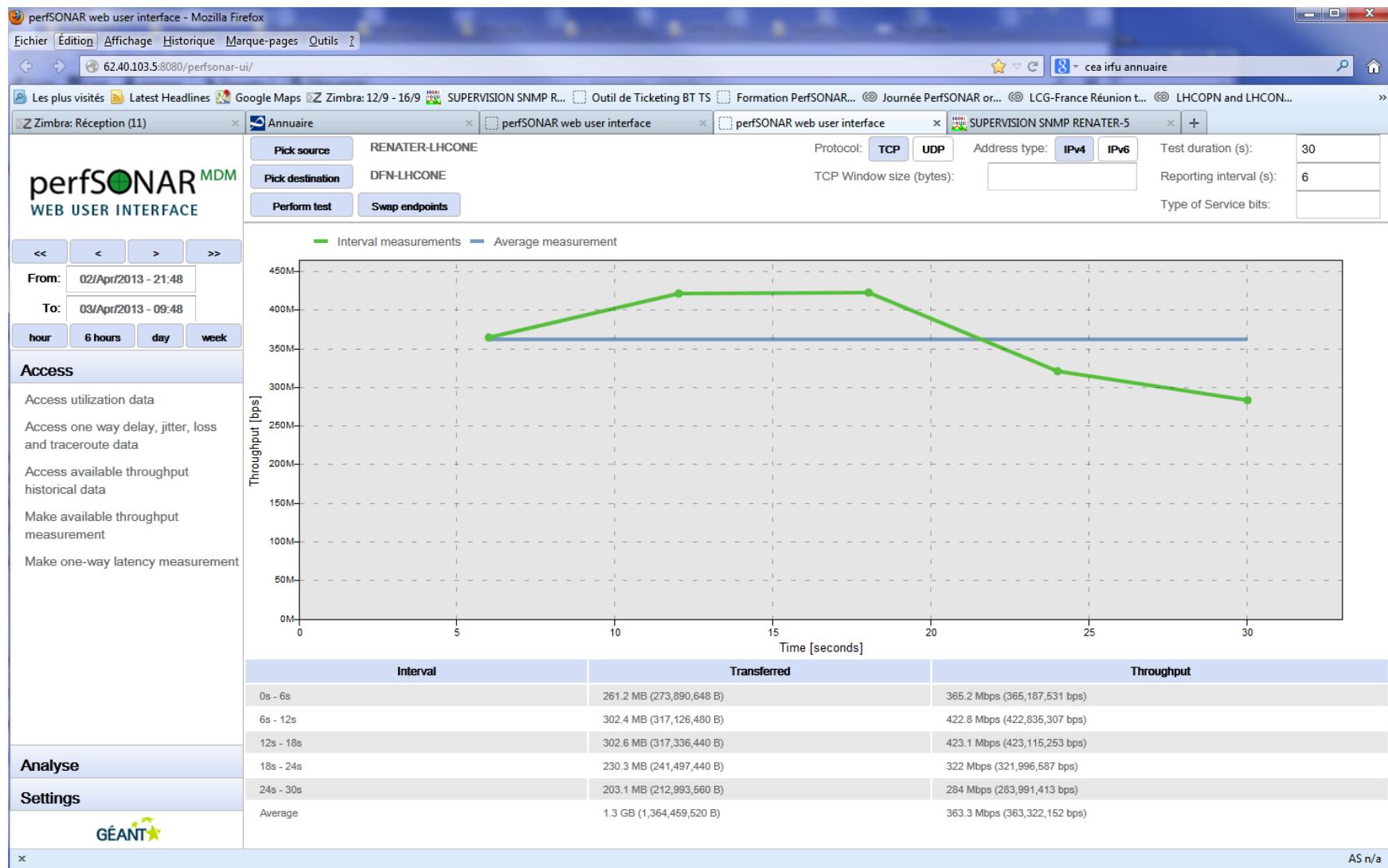
Usage of French LHCONE

- 2012 international access:
 - OUT 6,1 Pbytes, IN 7,0 Pbytes, Max 17,6 Gbps



- Test of PerfSONAR-MDM in operational condition, within LHCONE
- Action plan:
 - Training organization for French LHCONE community
 - ✓ Berlin training for 2 engineers for the site (CEA-IRFU) **done**
 - ✓ One day workshop → Explain the needs and requirement of French LHCONE community **done**
 - ✓ Installation of PS-MDM in an operational site CEA-IRFU **done**
 - ✓ PS-MDM Features test : BWCTL + Owamp **done**
 - Interoperability with PS-PS → no PS-PS available through the UI
 - Compare PS-PS and PS-MDM
 - How can we address users needs and add to the PS-MDM roadmap these features?
 - Deployment of PS-MDM within RENATER LHCONE backbone:
 - ✓ In Paris, BWCTL, Owamp **done**
 - In Lyon, BWCTL, Owamp, if first test is successful
 - Deployment in other French LHCONE sites
 - if first test is successful

Screenshots



Screenshots

- No access to OWAMP measurement through PersfSONAR-UI
→ problem with Debian version
- CLI test
 - root@BWCTL-PSMDM-Paris-LHCONE:~# owping perfsonar03.datagrid.cea.fr
owping: FILE=time.c, LINE=118, NTP: STA_NANO should be set. Make sure ntpd is running, and your NTP configuration is good.
Approximately 13.1 seconds until results available

```
--- owping statistics from [perfsonar-gi8-1-paris1-swi-001.noc.renater.fr]:36227 to [perfsonar03.datagrid.cea.fr]:34822 ---  
SID: c036cffcd5065ea67bfd933ed7d53da5  
first: 2013-04-03T09:54:15.565  
last: 2013-04-03T09:54:25.214  
100 sent, 0 lost (0.000%), 0 duplicates  
one-way delay min/median/max = 1.11/1.2/1.15 ms, (err=0.733 ms)  
one-way jitter = 0 ms (P95-P50)  
Hops = 2 (consistently)  
no reordering
```

```
--- owping statistics from [perfsonar03.datagrid.cea.fr]:59513 to [perfsonar-gi8-1-paris1-swi-001.noc.renater.fr]:35209 ---  
SID: c133bfc5d5065ea67dcfcc5b29d7f251  
first: 2013-04-03T09:54:15.563  
last: 2013-04-03T09:54:24.621  
100 sent, 100 lost (100.000%), 0 duplicates  
one-way delay min/median/max = nan/nan/nan ms, (err=0.211 ms)  
one-way jitter = nan ms (P95-P50)  
TTL not reported  
no reordering
```

Workshop agenda

9:30-10:00	Welcome, coffee, tea...	
10:00-10:10	RENATER Welcome	Xavier JEANNIN
10:10-11:15	Overall tour of the PerfSONAR-MDM product: concepts,features, interface, etc Demonstration	GEANT
11:15-12:00	Follow-up of the installation of a 1rst instance of PS-MDM and all necessary services : BWCTL/OWD/archive ?/authentication?/ssh-telnet ? Test of this PS-MDM installed and features	Frédéric SCHAER CEA/Irfu
12:00-12:30	PS deployment in France : overview of existing instances	Frédérique Chollet
12:30-14:00	Lunch	
14:00-14:30	Overall picture of LCG monitoring : context, needs, deployment strategy...	Alessandra FORTI University of Manchester
14:30-15:15	Interoperability with existing PS-PS instances	DANTE
15:15-15:45	Coffee break	
15:45-16:30	Discussion on the requirement of LHC community , needs for new features: centralized configuration, reference state Network Monitoring with PS in France	All