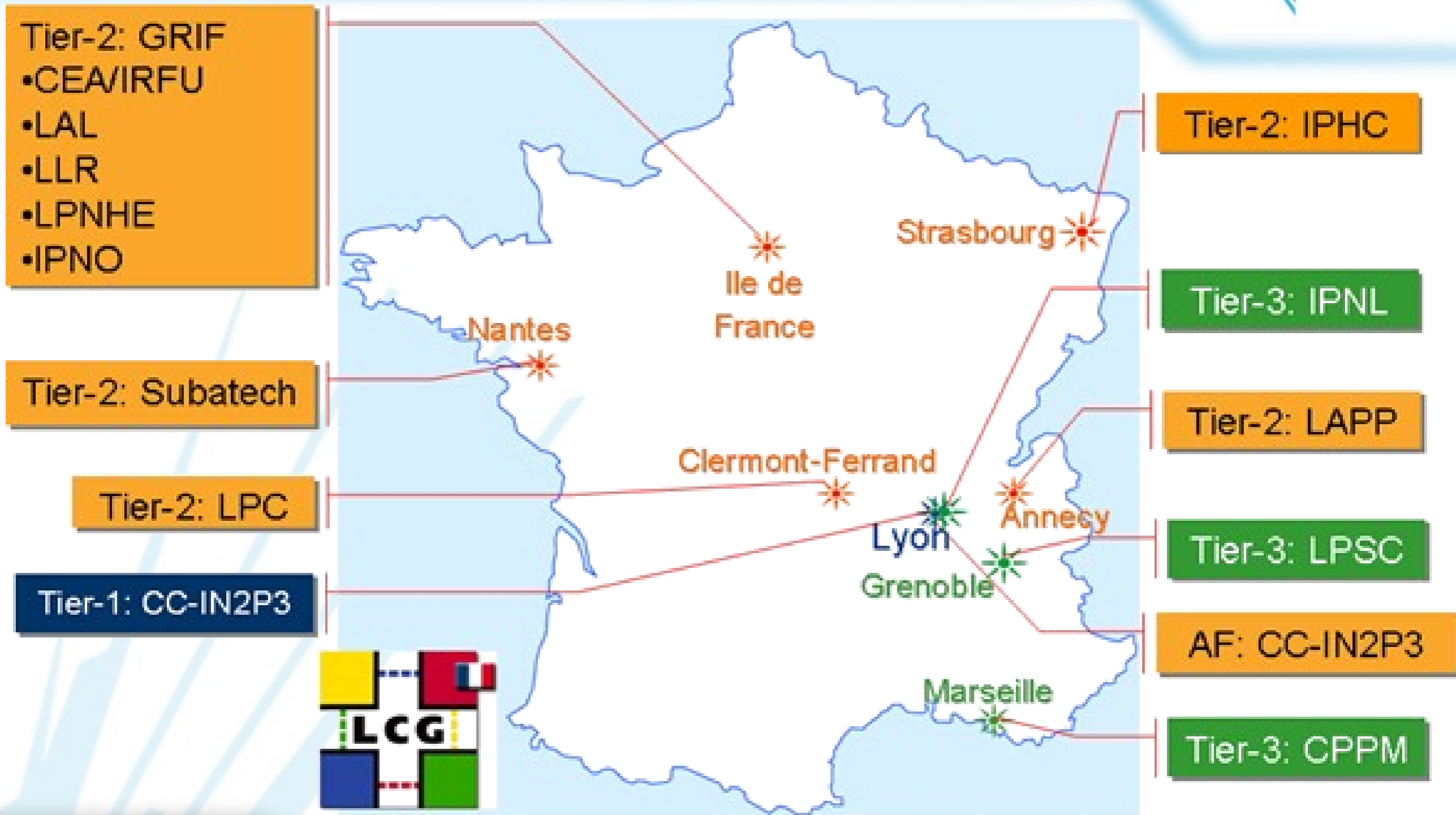




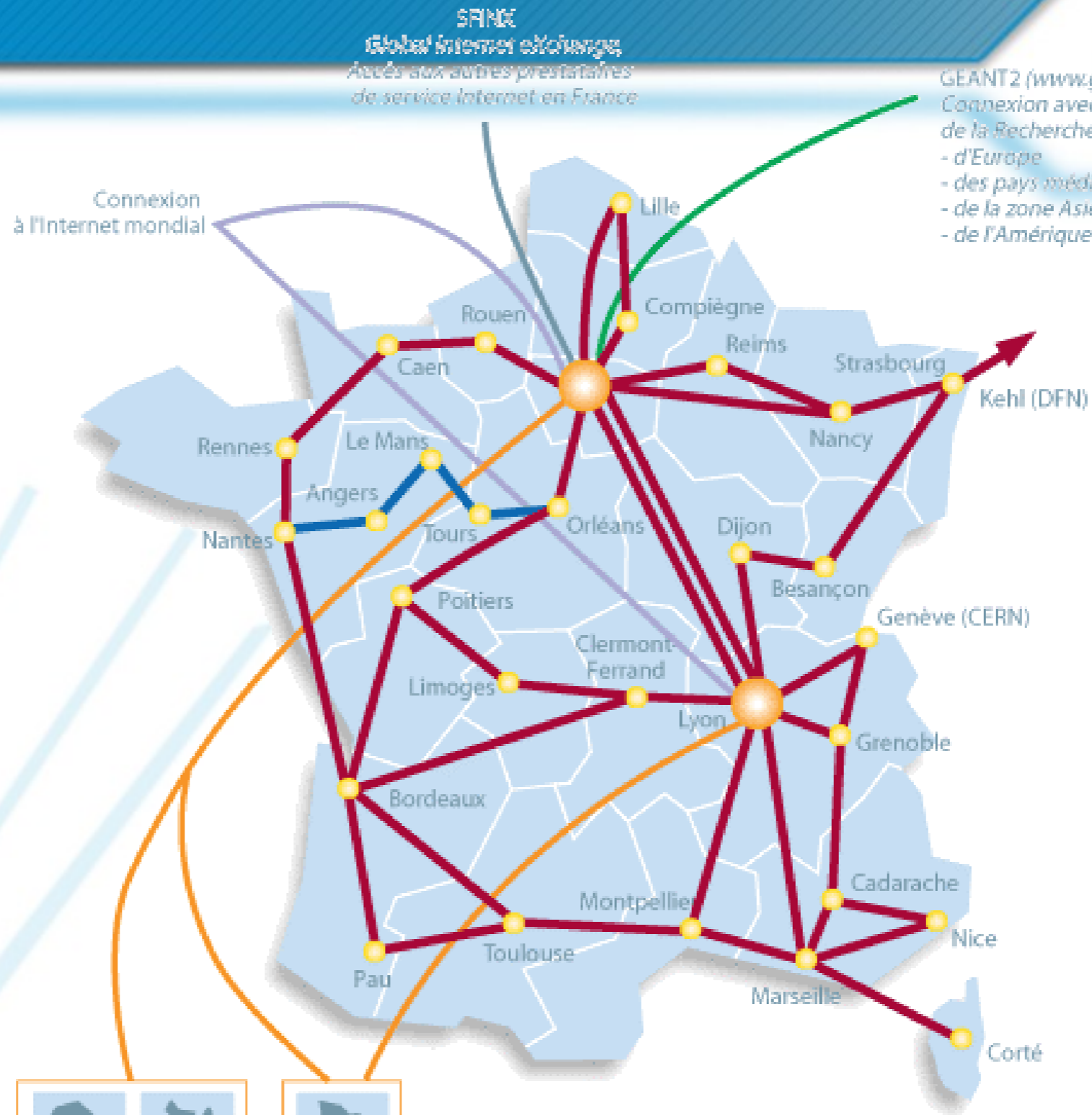
# Réseau LCG-France

jerome.bernier@in2p3.fr  
LCG France 11/2008





# RENATER5

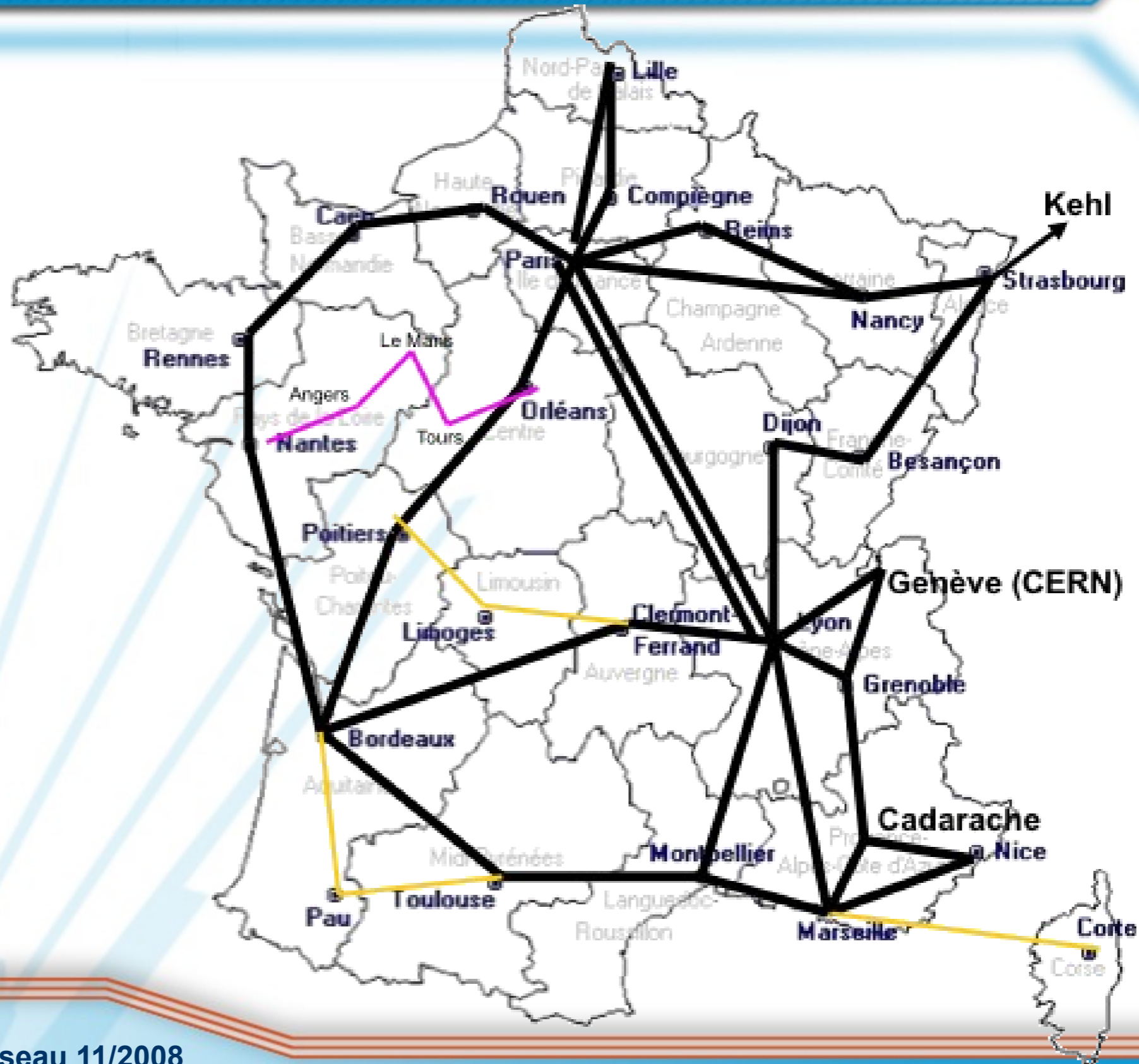


SFINX  
Global Internet étoilé,  
Accès aux autres prestataires  
de service Internet en France

CCIN2P3  
GEANT2 ([www.geant2.net](http://www.geant2.net))  
Connexion avec les réseaux  
de la Recherche :  
- d'Europe  
- des pays méditerranéens  
- de la zone Asie Pacifique  
- de l'Amérique du sud et centrale

|                    |         |            |
|--------------------|---------|------------|
| La Réunion         | Mayotte | Martinique |
| Nouvelle Calédonie | Tahiti  | Guadeloupe |

# RENATER5 Fibres Optiques Noires

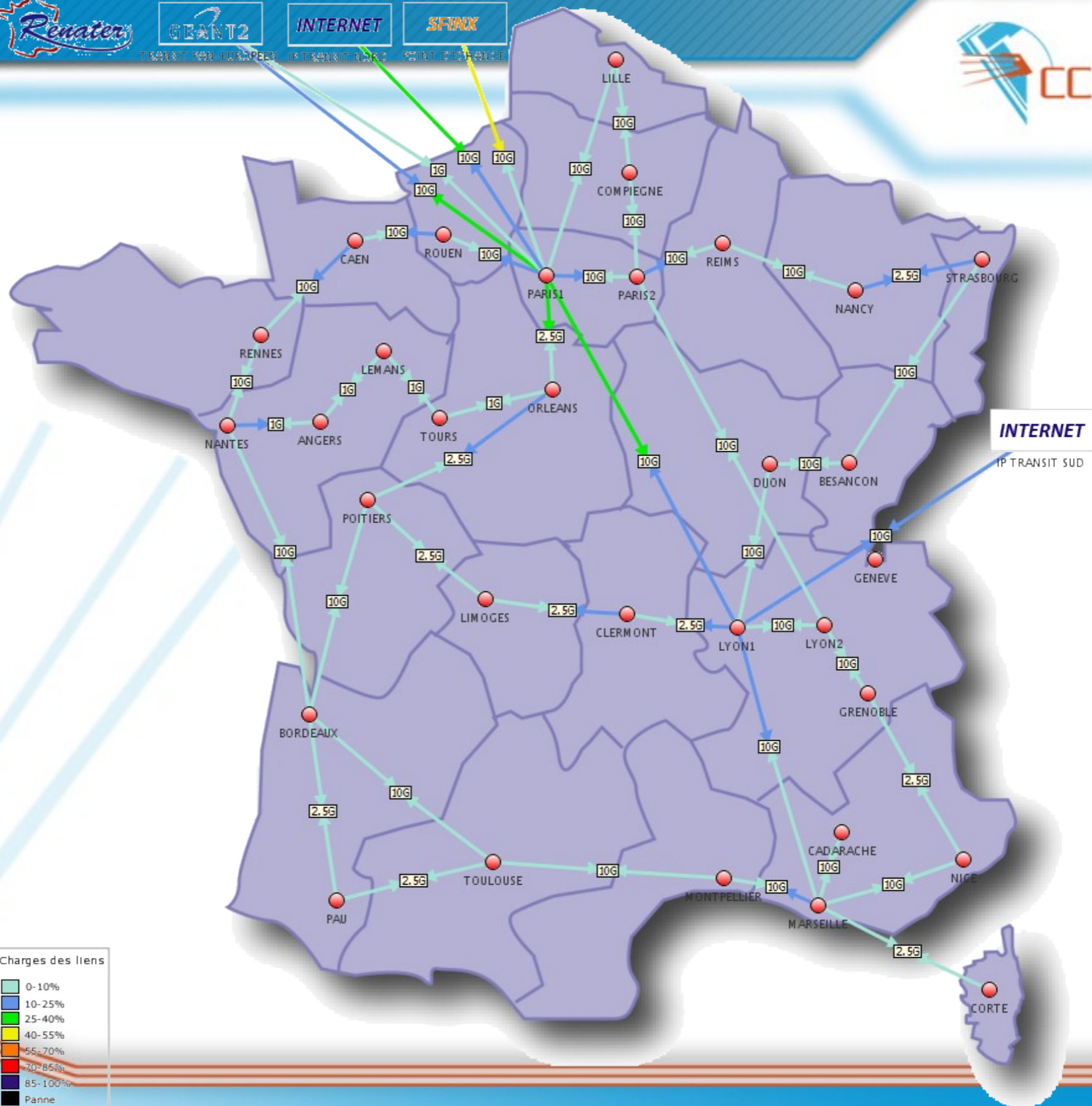




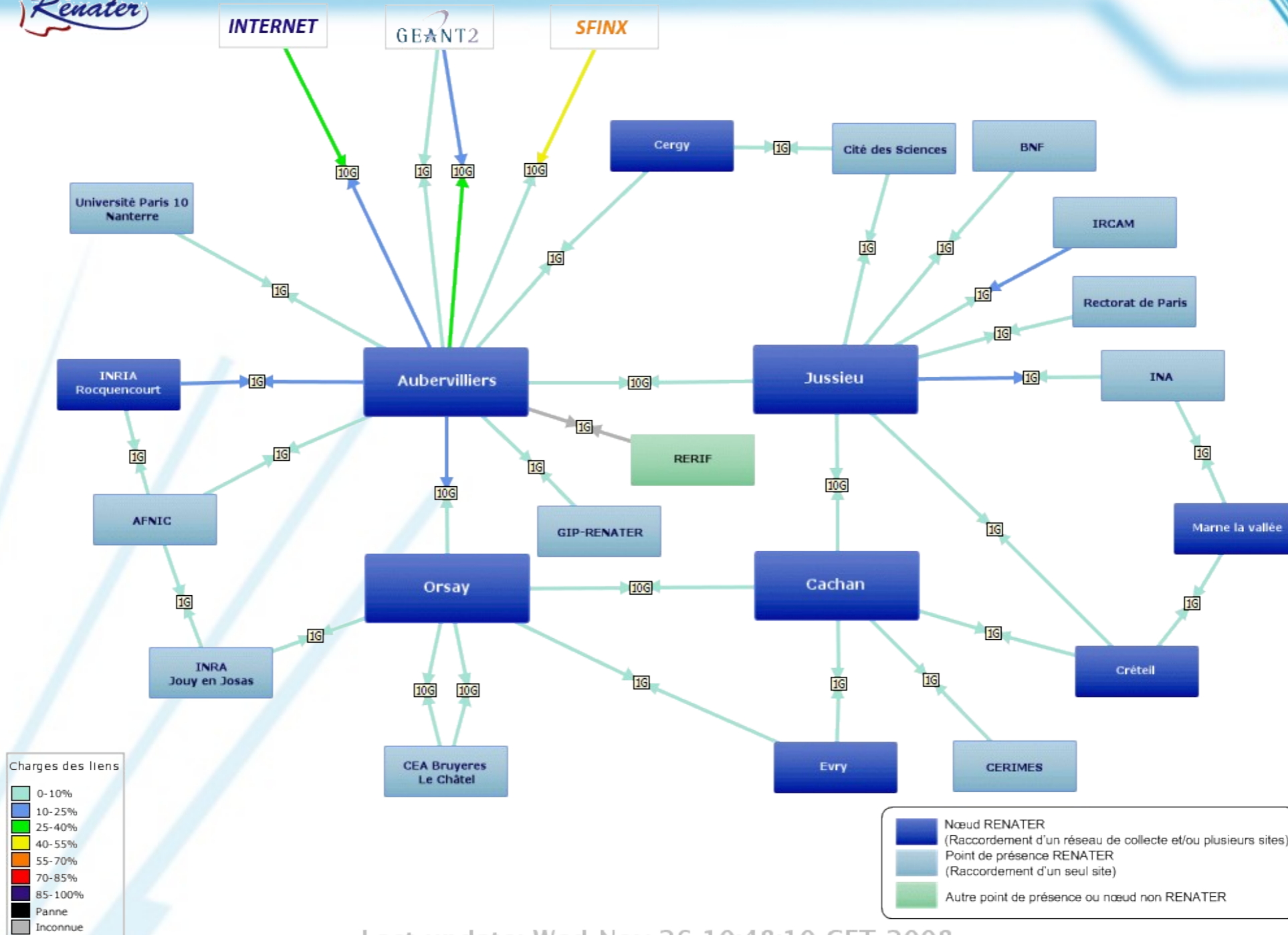
# RENATER5



GEANT2 INTERNET SFINX  
TRANSIT PAN-EUROPEEN IP TRANSIT NORD POINT D'ECHANGE



# RENATER5 région parisienne



Last update: Wed Nov 26 10:48:10 CET 2008



# CCIN2P3 infrastructure physique



Tier2 Français



2x 2,5Gb/s



autres Tier1/2

Lyon

Paris

10Gb/s

Tier2 GRIF

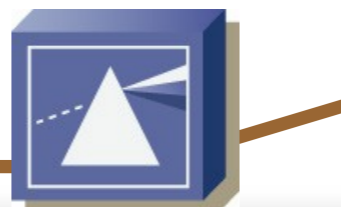
CC-IN2P3

10Gb/s

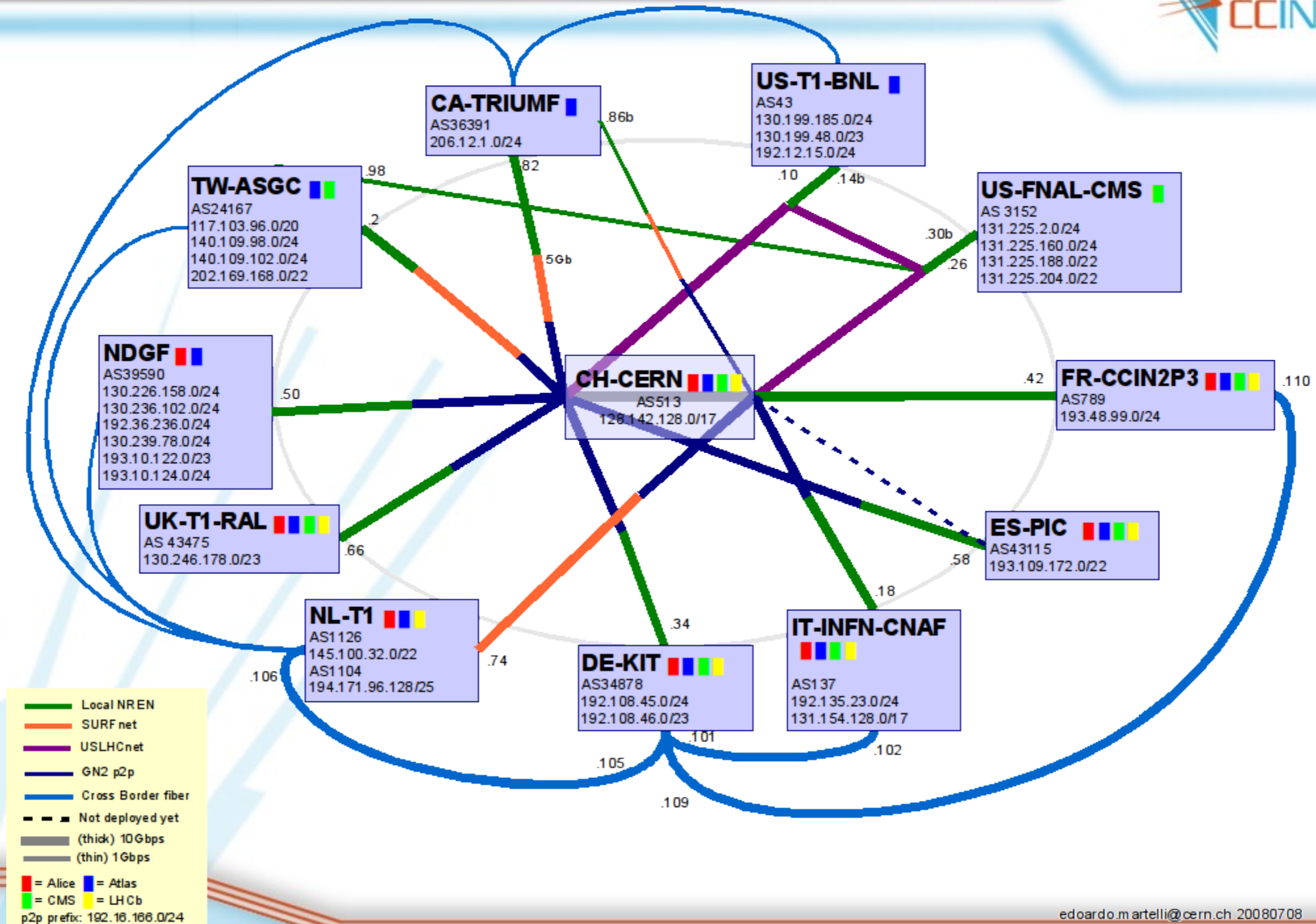
Strasbourg



Secours à travers Tier1 KIT Karlsruhe



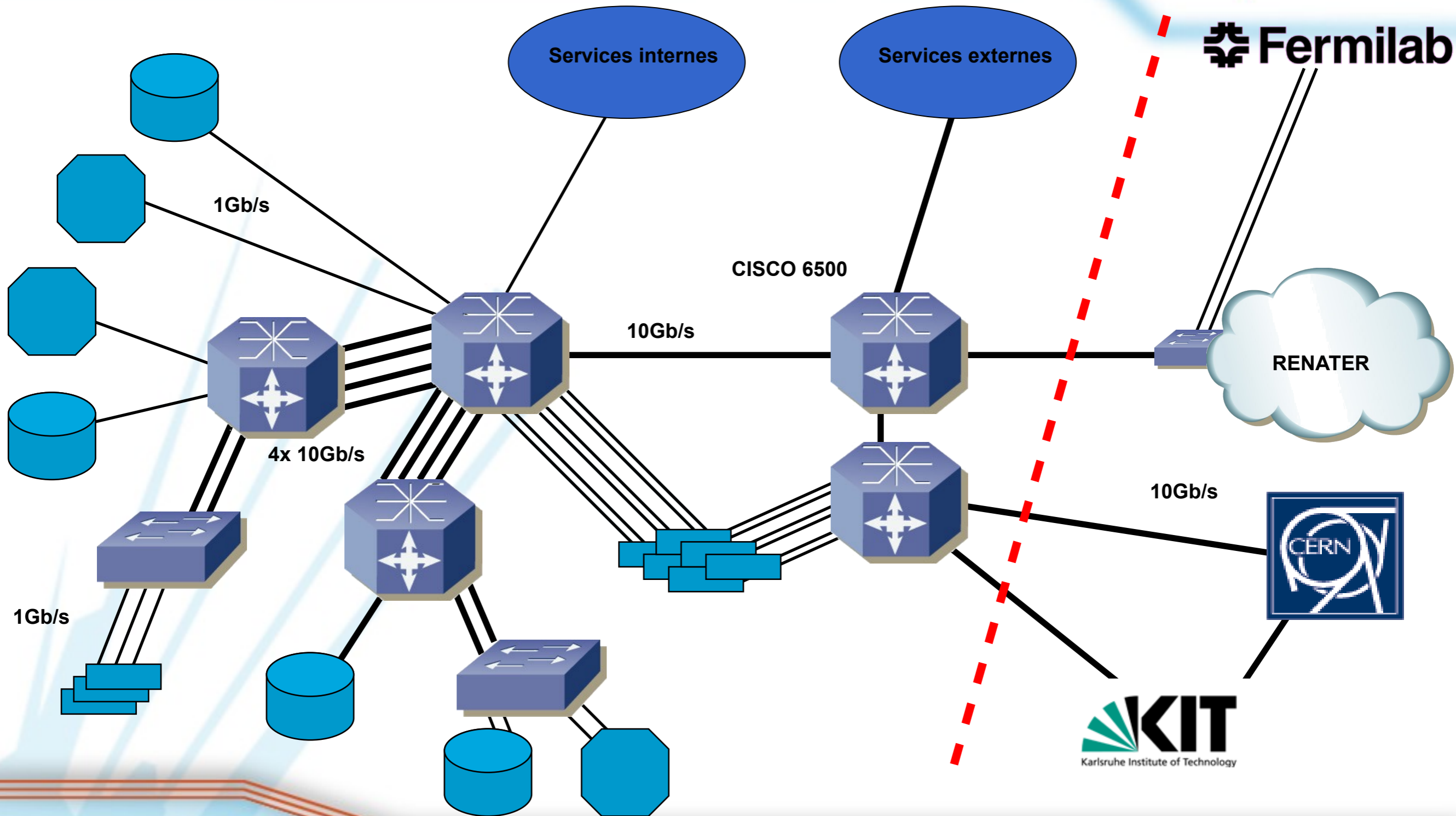
# LHCOPN LHC Optical Private Network





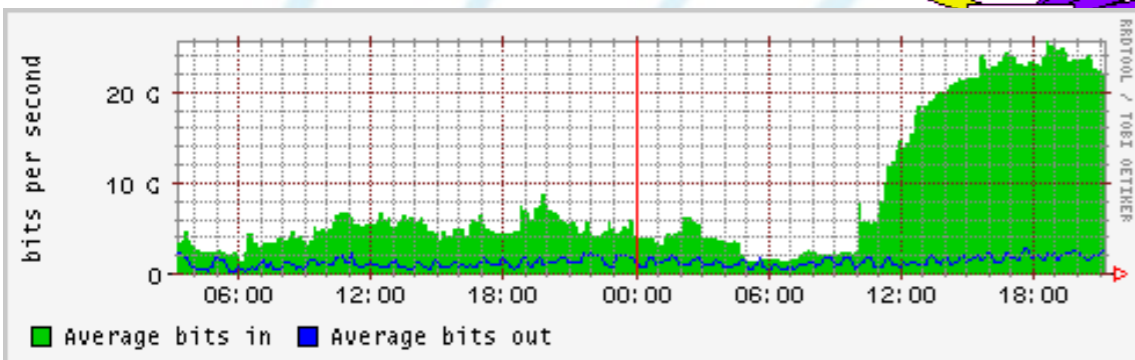
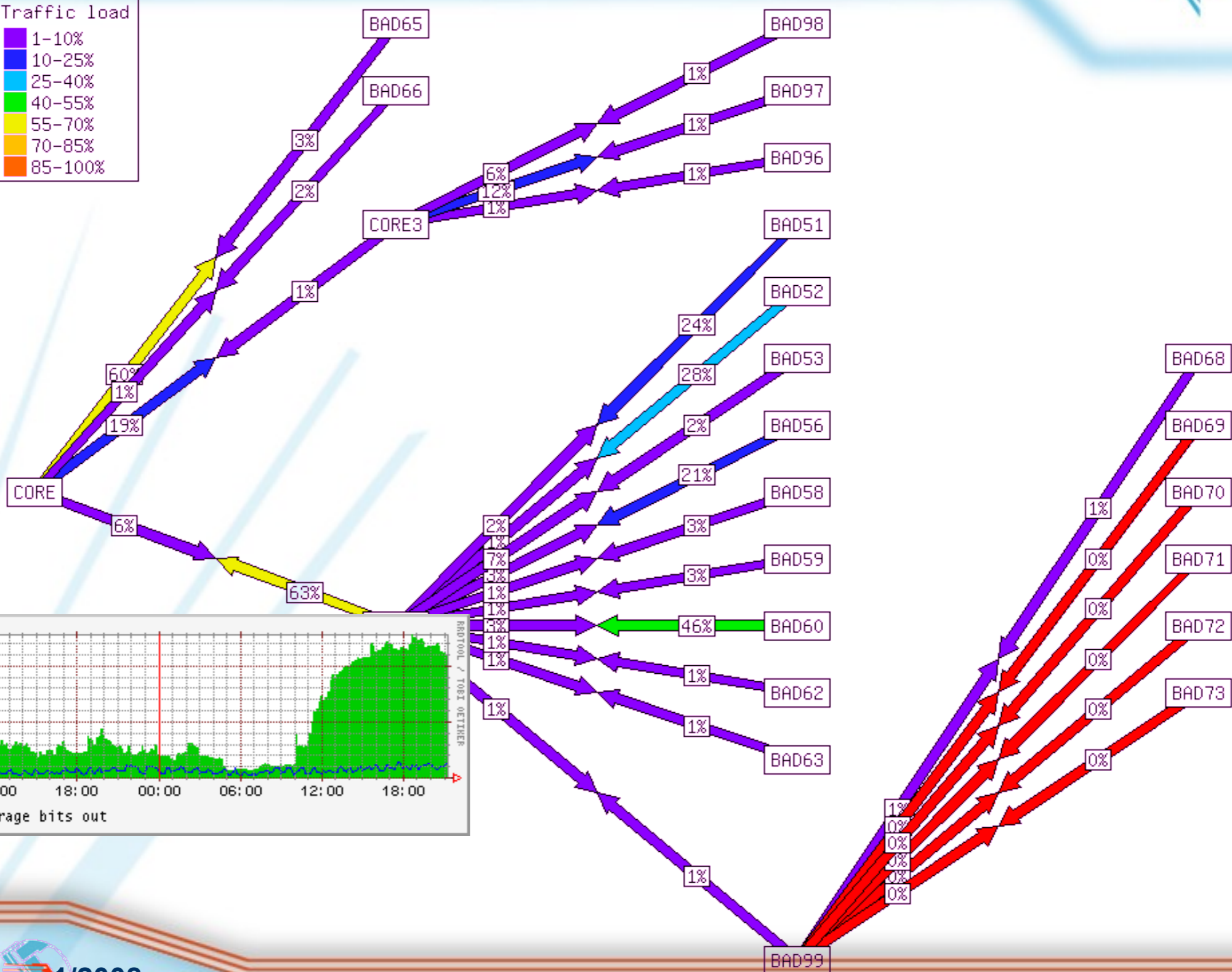
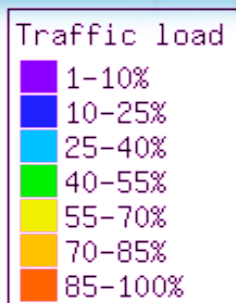
# LAN CCIN2P3

- > 1200 serveurs de calcul
- > 5 Po disques
- > 6 Po bandes



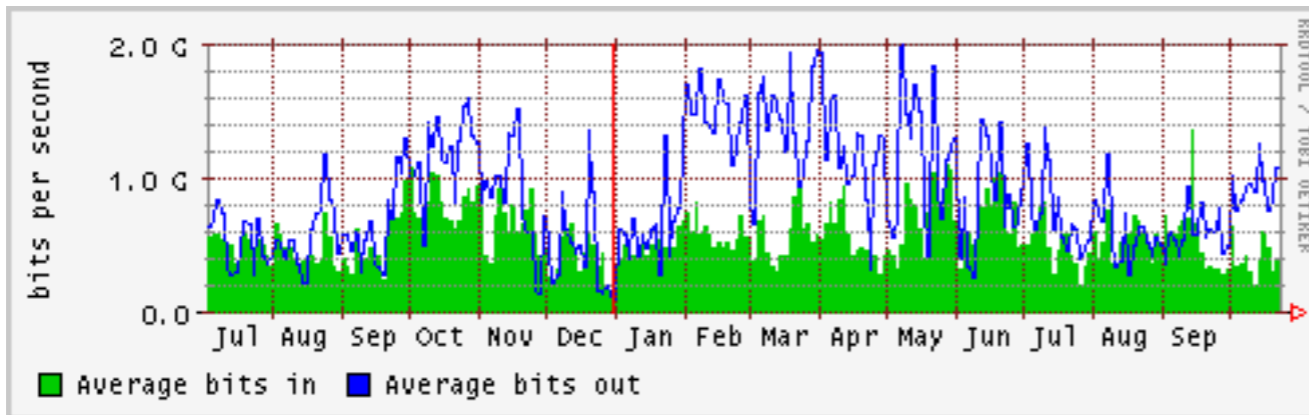
# LAN CCIN2P3

Last update on Wed Nov 26 16:50:17 2008 UTC



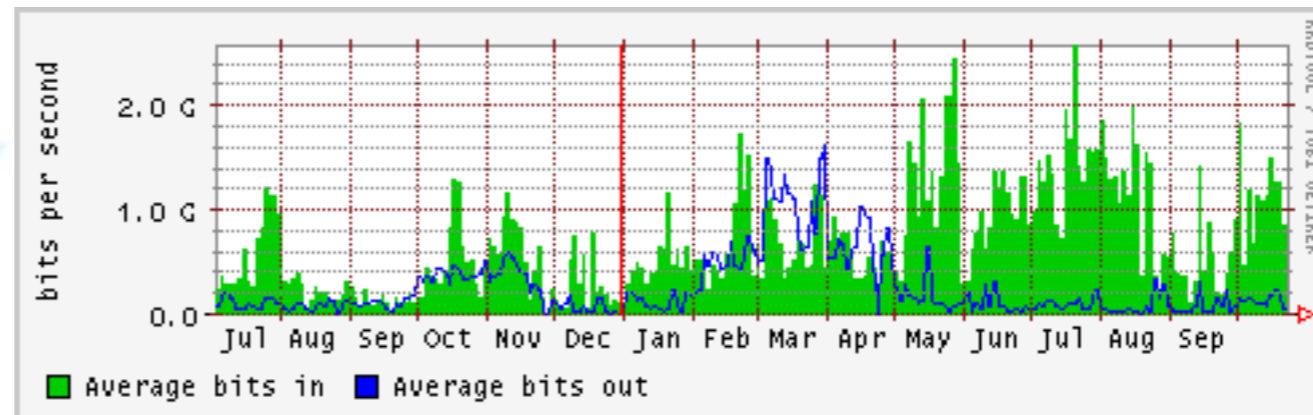


<http://netstat.in2p3.fr>

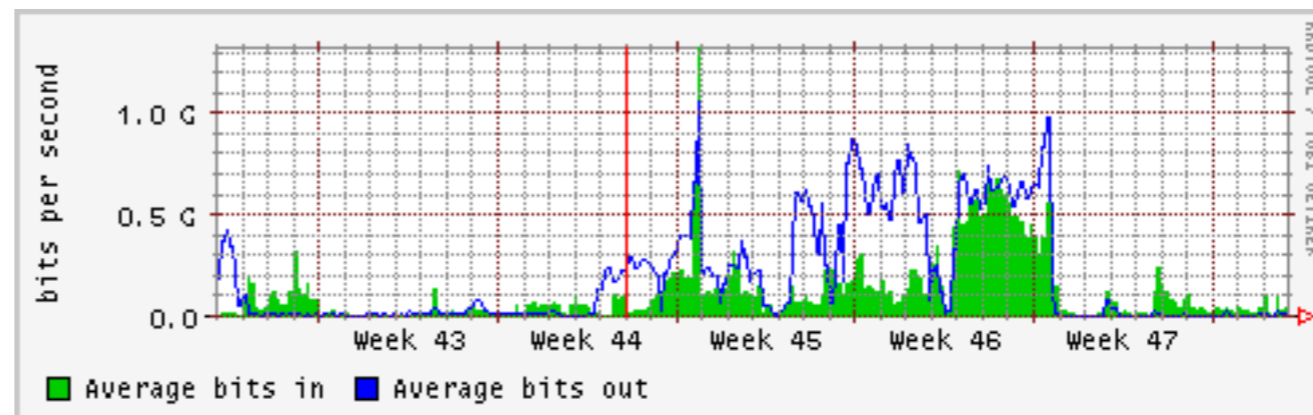


CCIN2P3-RENATER

CCIN2P3-CERN



CCIN2P3-GRIDKA







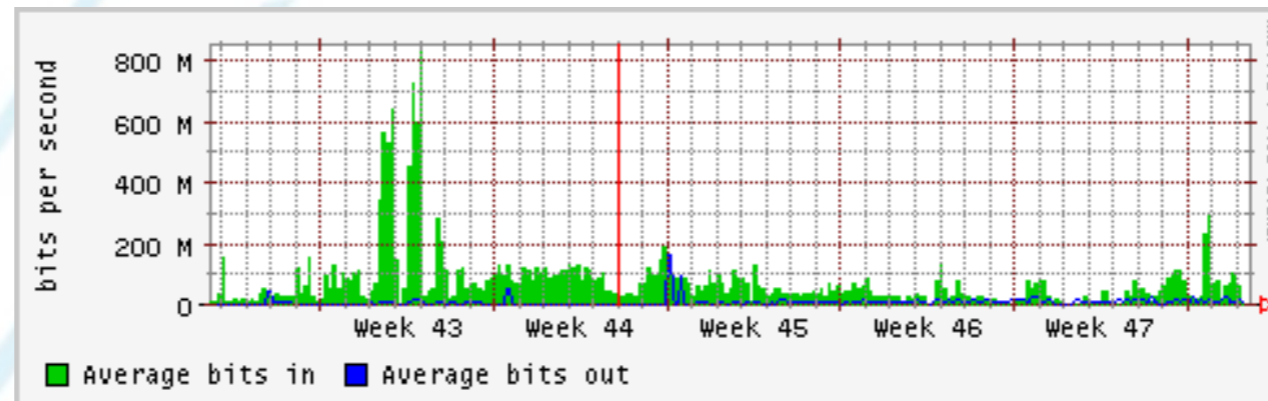
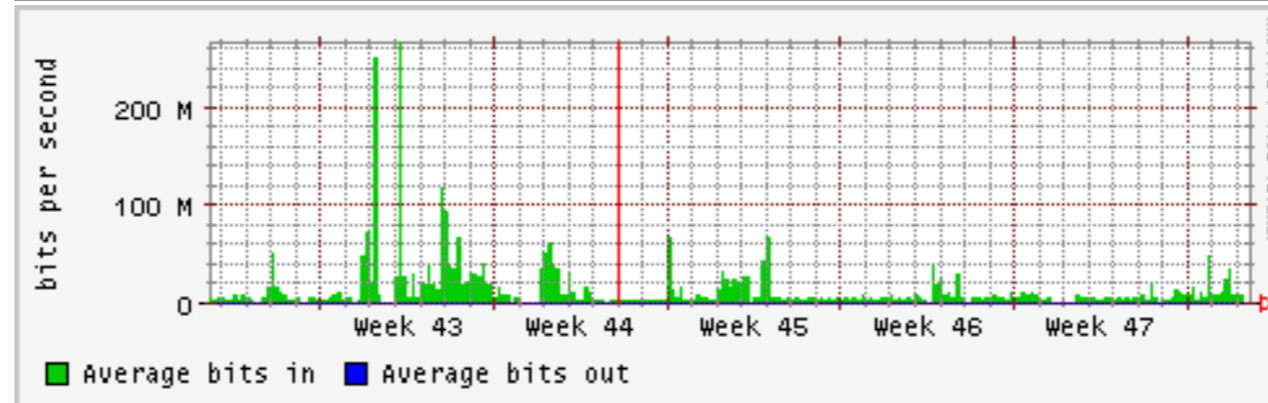
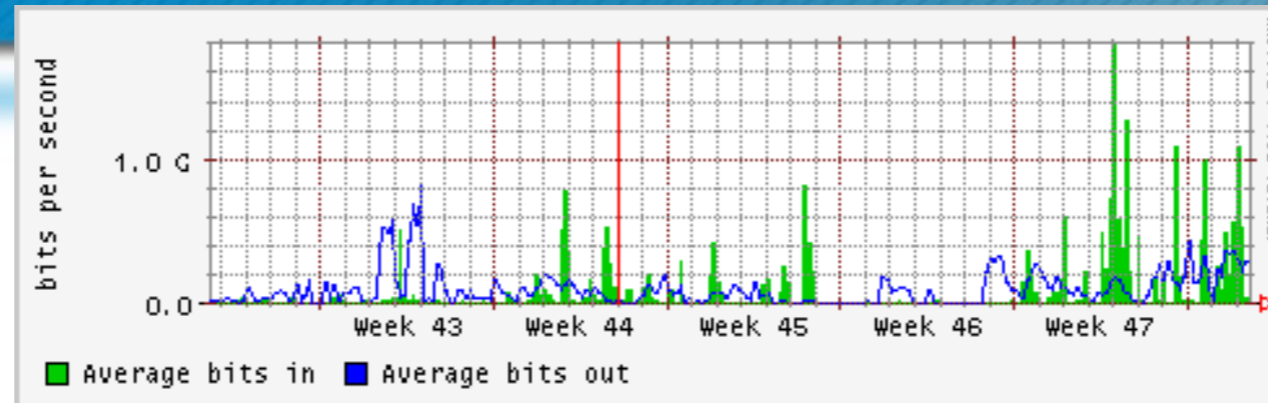
# Traffic intra-GRIF



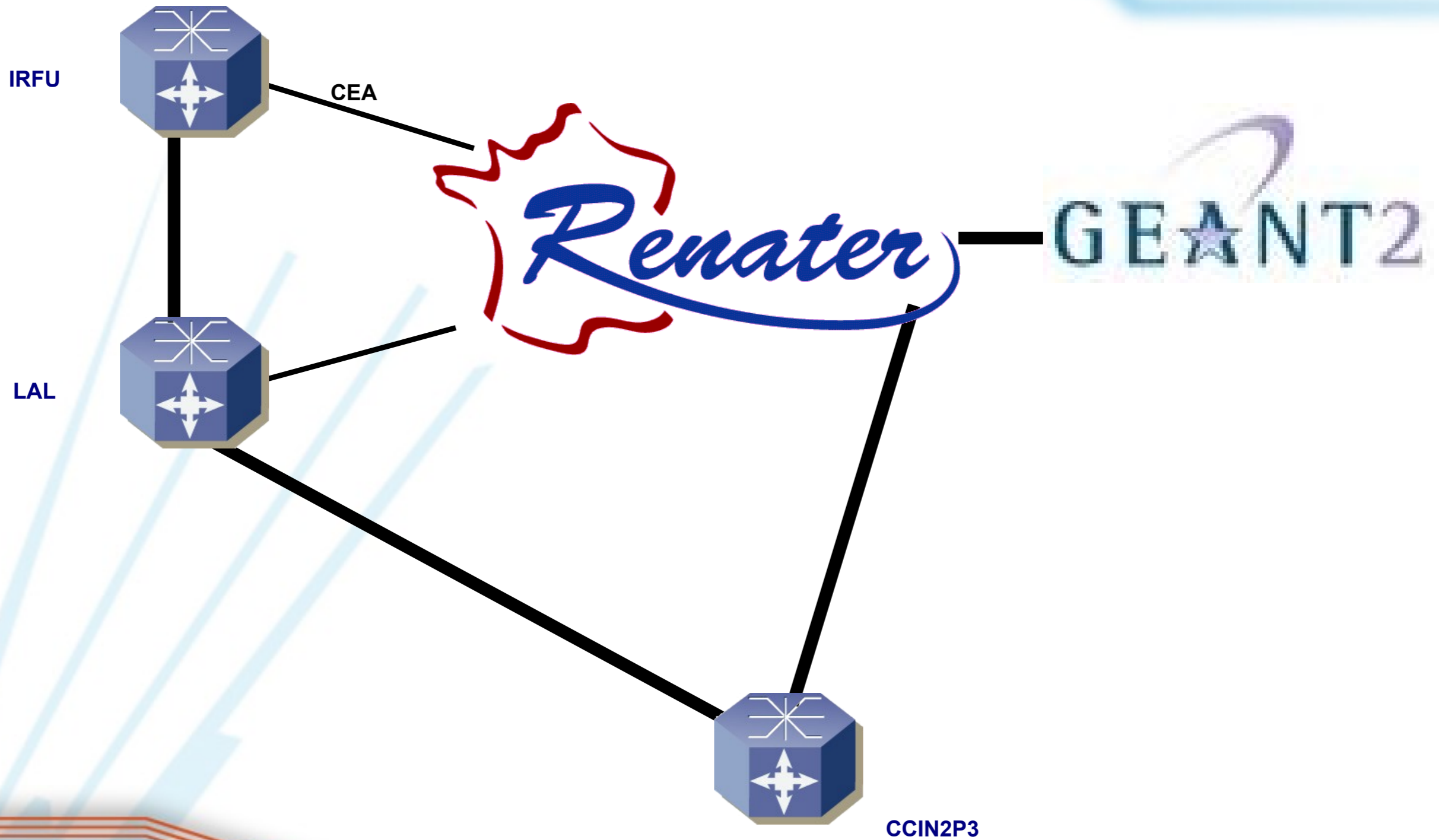
■ LAL-LLR

■ LAL-IRFU

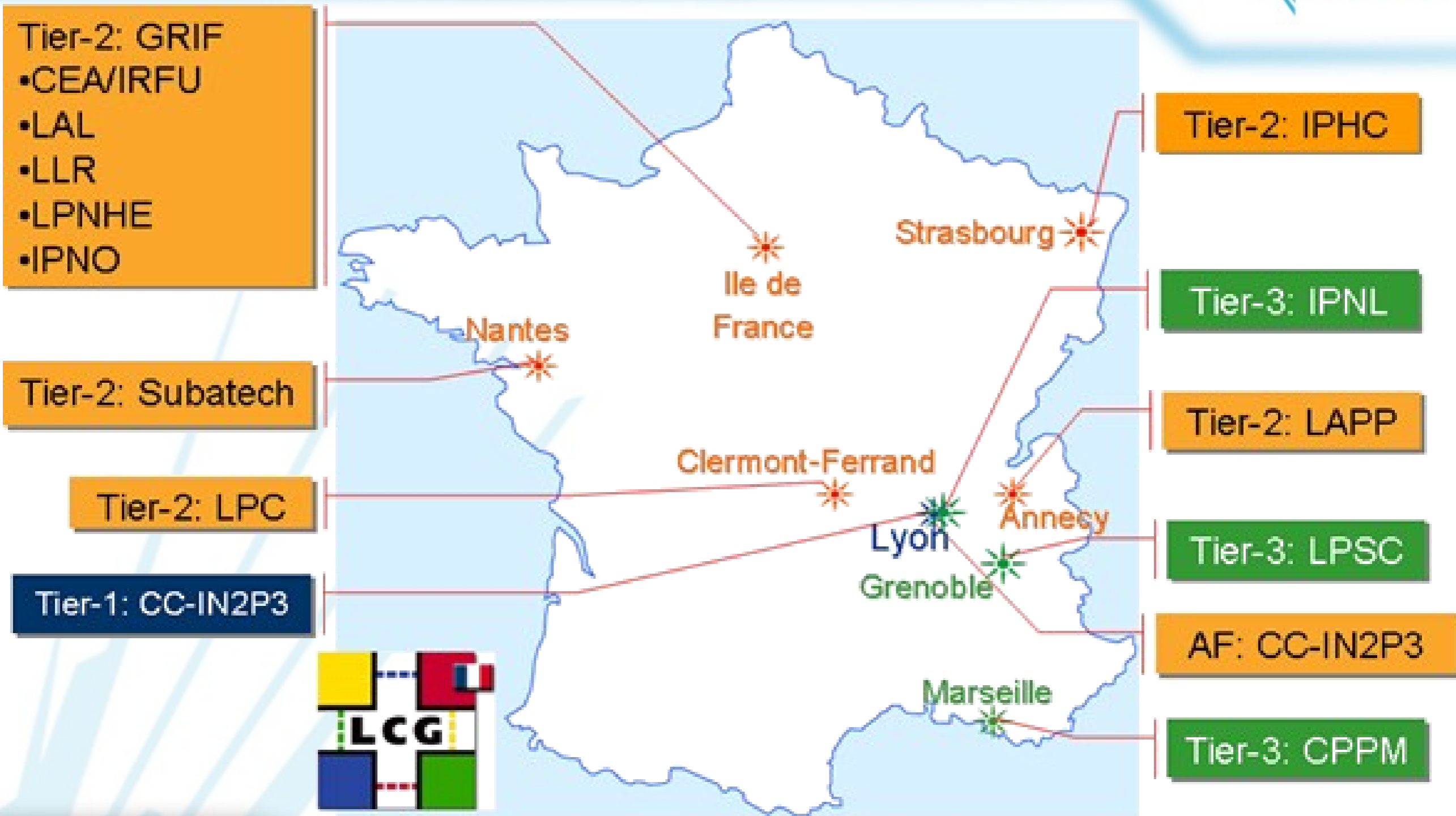
■ LAL-CC



# Tier2 GRIF routage







# Connexion généraliste dédiée $\geq 1\text{Gb/s}$



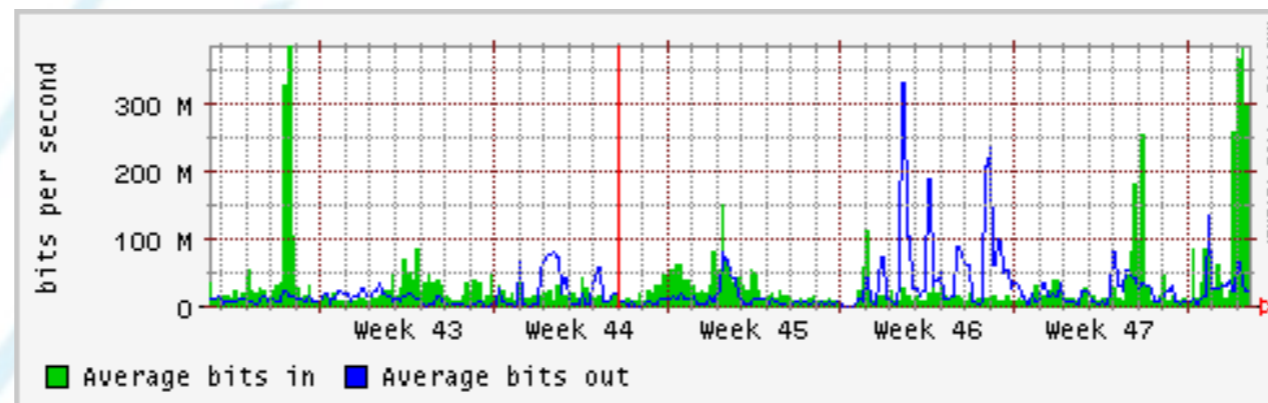
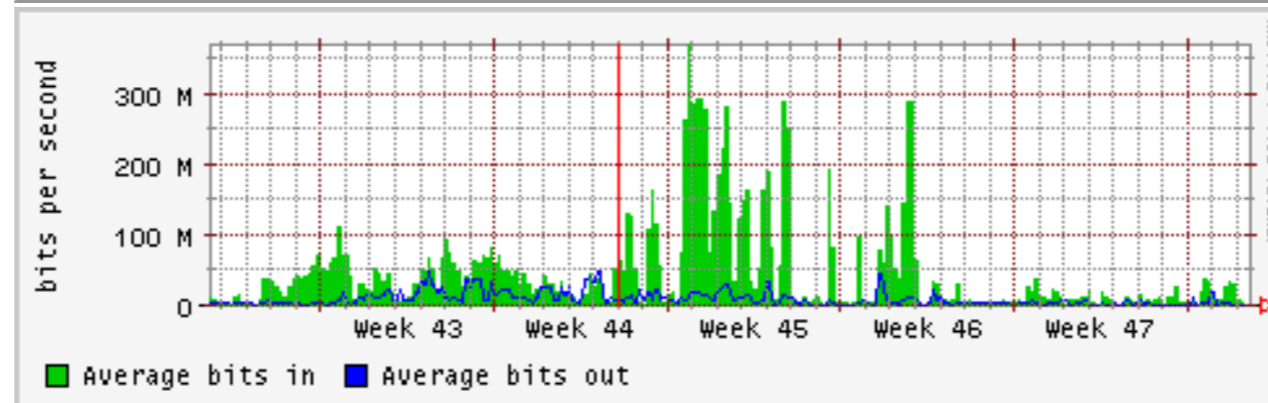
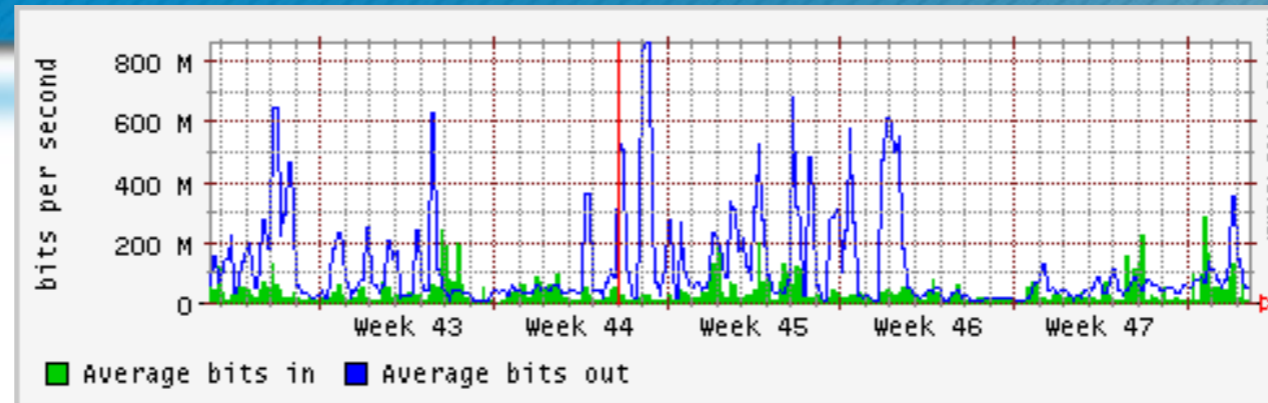
■ **LAL/IPNO**  
Bientôt 10Gb/s

■ **LPNHE**  
Bientôt 10Gb/s

■ **LLR**  
Bientôt 1Gb/s

■ **APC ?**

■ **IRFU**





# Connexion généraliste dédiée $\geq 1\text{Gb/s}$



■ SUBATECH

■ LPC Clermont

■ IPHC

■ LAPP ?

