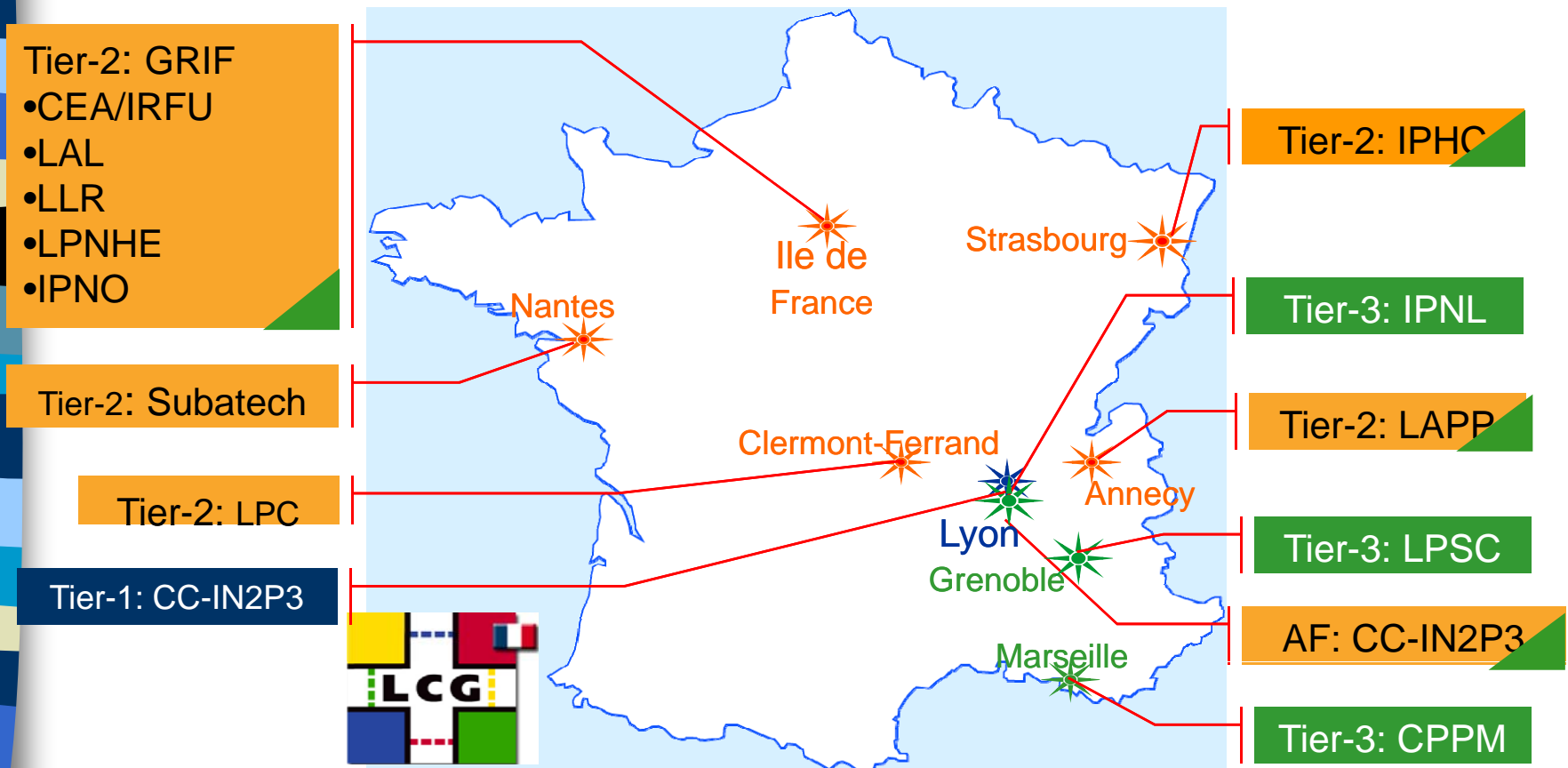# LAPP :Quattor usage

Laboratoire d'Annecy le Vieux de Physique des Particules

Site report

Context

- LAPP : Laboratory of IN2P3 (French institute for nuclear and HEP research)
  - Based in Annecy-le-vieux (Close to CERN)
  - ~150 persons
  - Involved in ATLAS (T2/T3), LHCb(T2/T3), Virgo, Opera, HESS,…

Tier-2: GRIF
- CEA/IRFU
- LAL
- LLR
- LPNHE
- IPNO

Tier-2: Subatech

Tier-2: LPC

Tier-1: CC-IN2P3

Tier-2: IPHC

Tier-3: IPNL

Tier-2: LAPP

Tier-3: LPSC

AF: CC-IN2P3

Tier-3: CPPM

Nantes

Ile de France

Strasbourg

Clermont-Ferrand

Annecy

Lyon

Grenoble

Marseille

LCG

Context

- Provide computing and storage resources for :
  - LCG as a Tiers2/Tiers3 site
  - Local users
  - External users (laboratories close involved in different activities)
- Only one infrastructure to serve the three types of users .

Quattor usage

- Used since we are involved on grid (2 years)
- Use with QWG templates
  - To install/configure grid services and worker nodes.
  - To install/configure all new hardware incoming on computing room (linux).
    - Interactive cluster of laboratory
    - ....
  - In test to install linux on laptops (as dual boot option).

Specification

- Local SVN template repository.
- PANC v8
- Quattor is running on vmware virtual machine (template repository also : useful to backup).
- Today more than 100 profiles of machine.
- 4 active people use it.
- Usage of GPFS filesystem (installed by quattor also).
- Quattor use for ganglia and HP monitoring tools
  – No require new component (spma,filecopy,symlink,…)
- No real problem.
  – Web interface to pilot aii-shellfe ???