Data Flow session menu

DAQ infrastructure at GSI and related issues	Y. Aubert (IPN Orsay)
Software Status for the DAQ and the GEC	E. Legay (CSNSM Orsay)
Data path coupling of Narval/Agata and MBS/FRS	N. Kurz (GSI)
Status of the data storage on GRID	Y. Aubert (IPN Orsay)
General discussion	

A. Korichi for the DAQ Working Group

But before the Data Flow menu

An introduction with reminders and new features for the DAQ

You have already seen the new DAQ organisation scheme (last Agata Week)

DAQ Teams Actors : France, Germany, Italy, Poland, UK

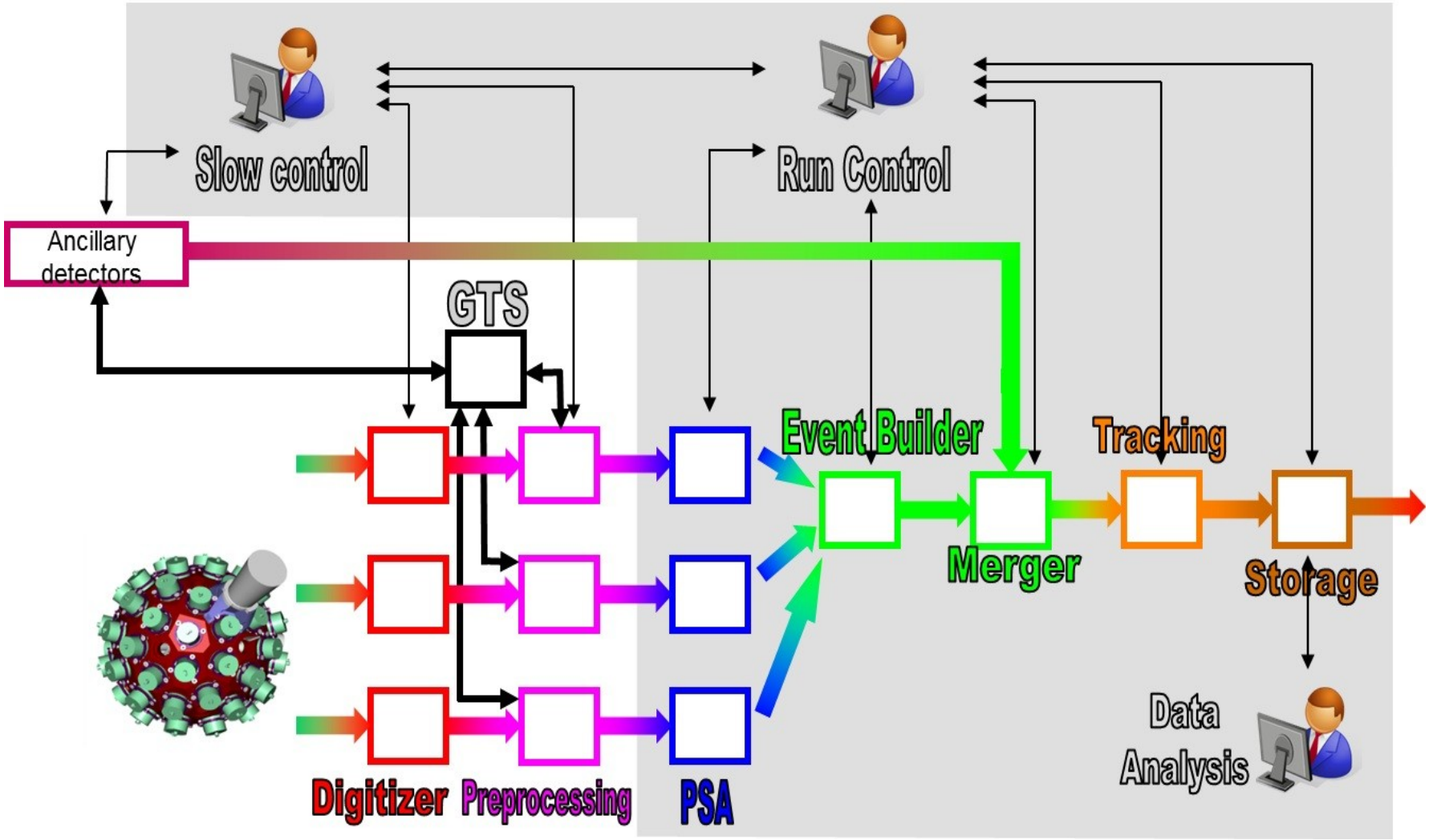
Software : X. Grave (IPN Orsay- France)
Data Flow, Services and GRID Storage

Hardware : H. Schaffner (GSI- Germany)
NSA (Network, Service and Administration) and Local infrastructure

GEC (Global Electronics Control) : E. Legay (CSNSM- France)
Information Center from low level electronic control
(set-up, Display, Reset, …)

DAQ Tasks are complexe : in Synergy with
FE Electronics, Data Analysis, PSA, Tracking, Ancillaries
and Infrastructure groups

Data Flow structure : as it was @LNL



The GSI Adventure for the AGATA-DAQ started before :

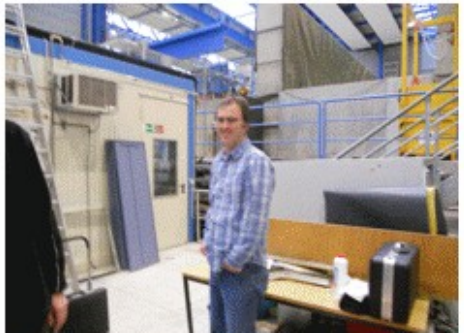
DAQ Installation started in December 2011

New material has been purchased for the DAQ :

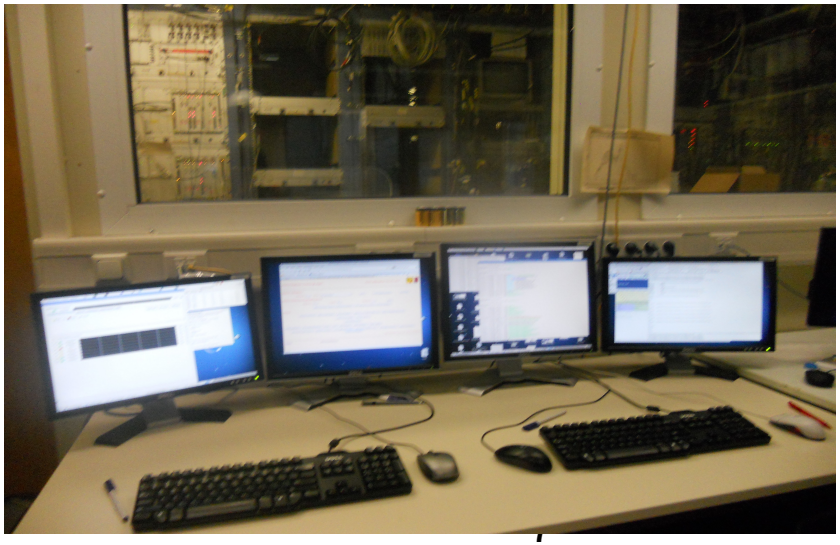
Delivery of 29 HP machines, KVM and HP switch @GSI (IN2P3) 2011
Delivery of 6 new HP servers (Köln, Germany) 2012
25 machines for the crystals (Anodexx)

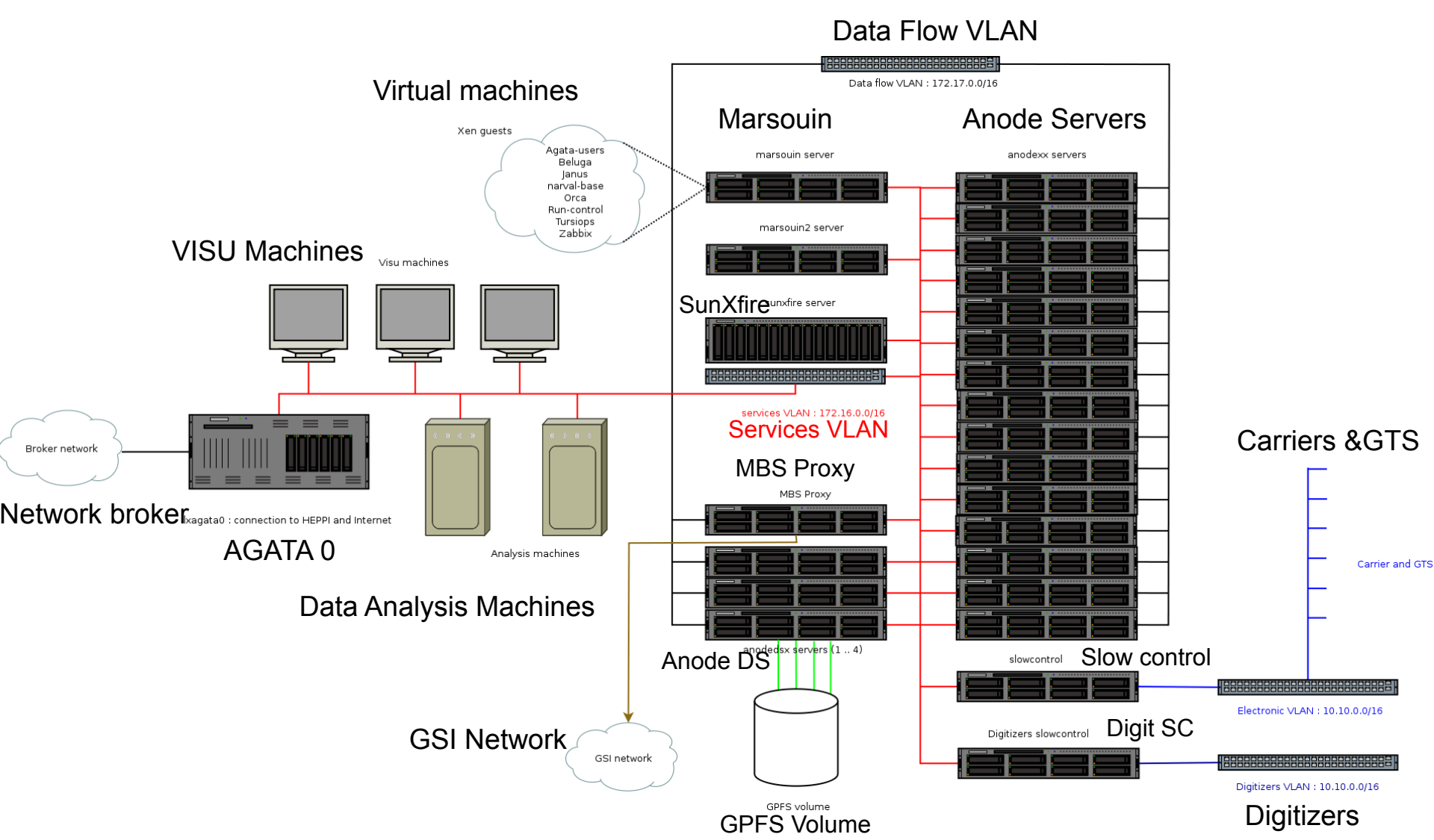
December : Temporary installation of the DAQ
Setting up the machines, switches and KVM at GSI

Main actors for the installation : :
Y. Aubert, N. Dosme, X. Grave and E. Legay -Orsay
S. Pietri and H. Schaffner, F. Ameil and D. Ralet -GSI



Final container in the Meshute for the entire Hardware





AGATA Network Diagram

DAQ rules in terms of access to the users from outside : New

New rules :

The final document will be available on the DAQ Web site

http://csngwinfo.in2p3.fr/

AGATA DAQ Network at GSI : External Network Connections and rules

Internet access for AGATA-DAQ at GSI :

- Restricted VPN access
- SSH access : request

DAQ-AGATA to Internet :

- Subversion access
- Monotone access
- Smtp access
- Data transfer

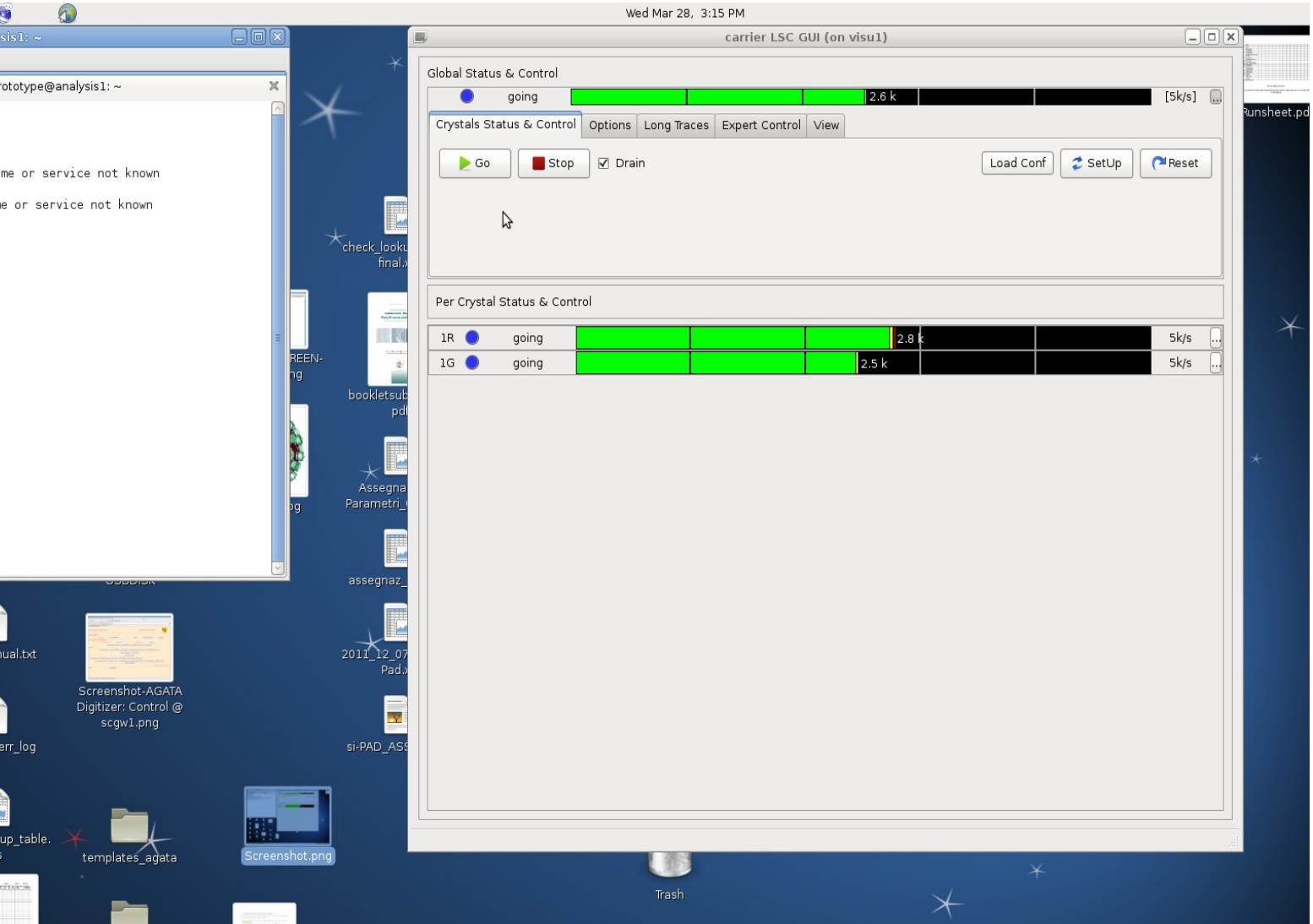
DAQ services

- MBS-NARVAL bridge proxy
- Personal devices : No personal device will be authorized on AGATA network : EUDUROAM is available at GSI

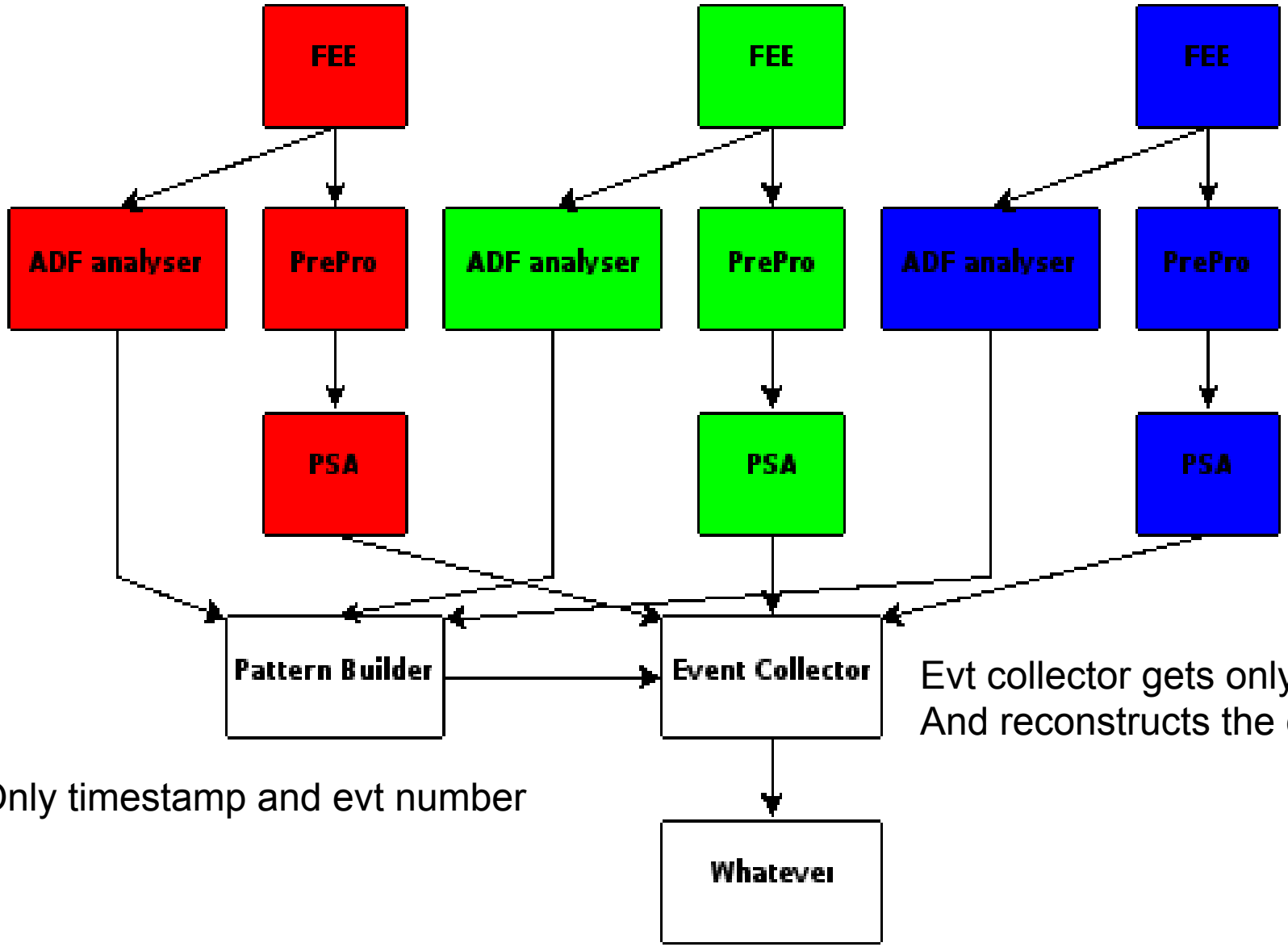
New NARVAL version has been implemented

The chain with 2 crystals : tested and working (Narval side) in March

- Tested at 30 kHz and 100 Hz



A new topology is underway and consists in the development of a pattern builder based on the timestamp and event number : Improve the Data Flow Merger.



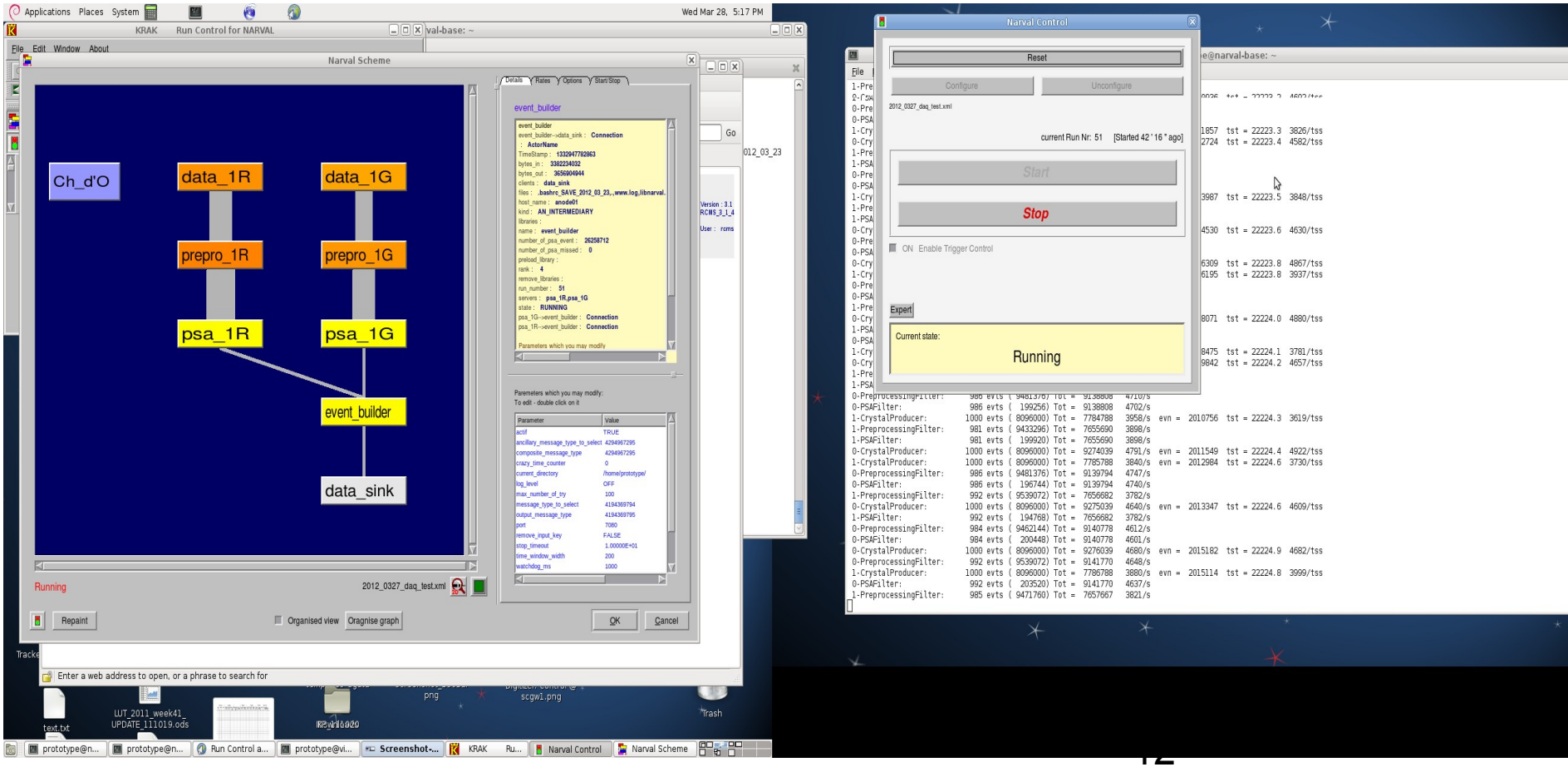
Evt collector gets only patterns
And reconstructs the evt

Only timestamp and evt number

Status of Krak (GUI)

J. Gerbocz tells us that Krak is the name of the king of Cracow

The GUI has been installed with new features



Status of Storage and Data transfer to the GRID

Lyon-CC-IN2P3 connected to the HEPPI (only acronym) Network
Following several investigations and discussions with the CC-IN2P3
HEPPI is now known by the CC-IN2P3
Data can be transfered via this pipe

Bolognia not connected to he HEPPI
Data can be sent via Ethernet connection

LNL phase P. Molini in charge of this task

GSI phase : S. Pietri in charge of the GRID data transfer


PreSPEC