GEC and monitoring

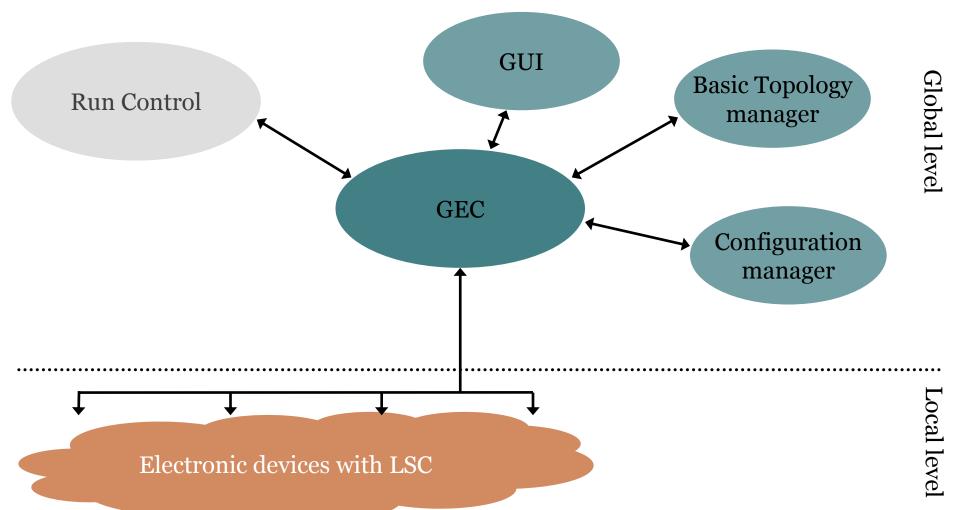
AGATA week – 23/11/2010 Eric Legay



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- And all the forgotten people (sorry)
- To our venerate old white hair ex chief

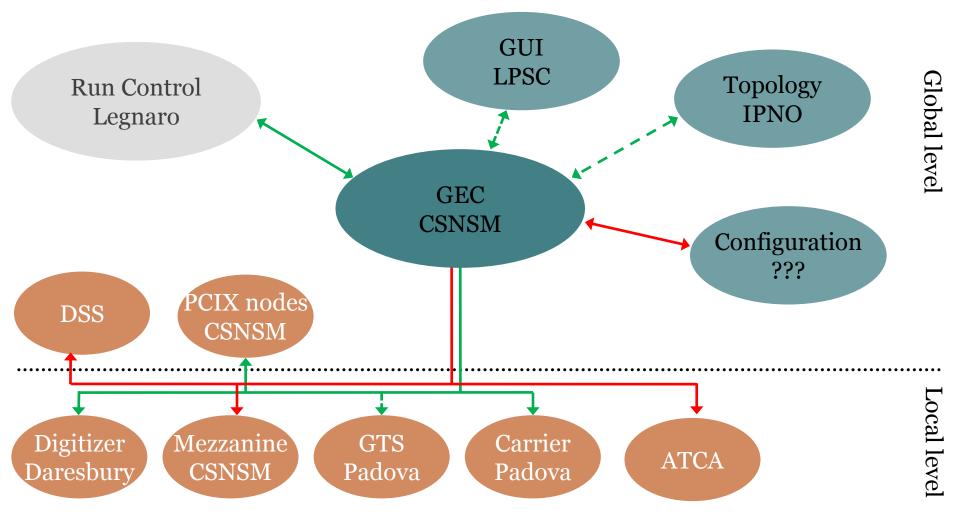
Global Infrastructure



Chief controller



Communication established



Potential nodes to develop

- Narval Nodes
 - Send environment information to NARVAL system
 - Control electronic device
- DSS
 - Help global monitoring
 - Add information in dataflow
 - Stop electronic in case of problems
- ATCA power crate
 - Control finely power on and off
 - But ...
 - No standard
 - Which future?

Working list 1/3

- Topology Manager
 - UI to fill information
 - Living information
 - DB must be updated
 - Connection with others software
 - GEC: on the way
 - LSC: to do, but ...
- Configuration Manager
 - Urgent : as soon as possible

Working list 2/3

- GUI for GEC
 - A way to monitor system
 - Work in progress since one month
- GEC
 - Stabilize existing connection with LSC
 - Improve communication with external system
 - Narval
 - DSS
 - Collaboration with electronic development

Working list 3/3

RTFM

- Not possible now
- Needs of technical documentation for each subsystem
- Needs of high level documentation
 - For each subsystem
 - For global system

Hardware Monitoring



Deeply involved leader



Wishlist

Hardware

- Only one electronic running ©
- Way to auto discover electronics
 - IP broadcast
 - USB / RS232 / PCI initialization device
- Taking care about network
 - Problem of IP addresses
 - Problem of MAC address

Software

- Using interface already defined
- Using state machine already defined
 - Adding empty state if needed
 - · Discussion is always open

Time Line

- Summer 2010 : First installation
 - Controlling carrier and digitizer.....OK
 - Tutorial for user......
 - Stable system.....OK
- Q1 2011:
 - First GEC GUI
 - First topology test
- Unknown
 - New electronic integration
 - · VHDL 1
 - New development
 - Configuration management

