eGee

SA3 All Hands Meeting
'Cluster of Competence' Experience
SA3 INFN

Cyprus May 7th-8th 2009

Information Society
and Media

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– **INFN – National Institute for Nuclear Physics – Italy**

– **Following are the people involved in SA3 from INFN:**

   ▪ Alessio Gianelle *INFN-Padova*

   ▪ Sara Bertocco *INFN-Padova*

   ▪ Paolo Andreetto *INFN-Padova*

   ▪ Elisabetta Molinari *INFN-Milano*

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- **New releases of yaim packages for CREAM and WMS:**
  - patch #2830: [YAIM-WMS] New yaim-wms to properly configure the ICE section - development and pre-certification
  - patch #2805: YAIM-CREAM-CE 5th update - development and pre-certification
  - patch #2750: YAIM-CREAM-CE 4th update – Development & Pre-certification
  - patch #2397, Enable WMS submission to ARC
  - bug #46460, [YAIM-WMS] Implement config_info_service_wms
  - bug #40763: [yaim-creamce] Implement config_info_service_creamce (part of patch 2805)
- **Porting of the CREAM UI to debian 64 bit**

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- *WMS*
  - *Pre-certification of WMS patch #2562*
  - *Pre-certification of patch #2597 WMS 3.2*
  - *(precertification) of the latest release of ICE; patch #2459*
  - *Pre-certification of patch #2862 new version of ICE*
- *CREAM*
  - *Precertification of CREAM CE patch #2748*
  - *Precertification of the patch #2666: 4th update of CREAM CE for slc4/i386*
  - *Precertification of the patch #2805: YAIM-CREAM-CE 5th update*

- *UI*
  - *precertification of CREAM CLI patch 2803 and 2845*
  - *precertification of patch #2622 WMS UI*

- *VOMS*
  - *pre-certification of VOMS patch #2613*
  - *pre-certification of VOMS patch #2717*

- ***Writing of the WMS testplan***
- *In general, **documentation and test reports** can be found here: **https://twiki.cnaf.infn.it/cgi-bin/twiki/view/EgeeJra1It/TestWokPlan***

- *support to pilot services:*
  - *https://twiki.cern.ch/twiki/bin/view/LCG/PpsPilotCream*

- *installation and upgrading of testbeds to be used during pre-certification testing of the WMS and CREAM CE:*
  - *http://grid.pd.infn.it/cream/field.php?n=Main.MachinesInPadova*
  - *https://twiki.cnaf.infn.it/cgi-bin/twiki/view/EgeeJra1It/PreCertTestBed*

- *installation and maintenance of a CREAM CE lsf for the certification testbed -> should we keep maintaining it also going into the second year of EGEEIII with the 'product team' concept?*

- *TSA3.3.1 General debugging, analysis and support:*
  - *analysis and troubleshooting of problems arising on several WMS used by the experiments during production.*
  - *Helping to debug problems coming from GGUS tickets, savannah bugs or mailing lists*

- *Writing of a WMS guide for Administrators:*
  - *first version in wiki format at https://https://twiki.cnaf.infn.it/cgi-bin/twiki/view/EgeeJra1It/WMS_guide*

- *Participation to the EGEEIII All Hands meeting in Praga and to the by-weekly SA3 coordination phone conferences*

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- *Continue supporting tasks described in previous slides*

- *Adapt to the 'product team' concept, following also new guidelines and feedback received from this meeting*

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- **'Cluster of Competence' responsabilities:**
  - *Testing up to production readiness of the components* **WMS**, **VOMS**, **CREAM**, **UI,** *including*
    - *Participation in patch preparation*
    - *Test case analysis and test development*
    - *Pre-certification testing*
- **A smooth transition of each component**
  - from development ---> to pre-certification testing ---> to certification

  should be guaranteed by the CoC

- **In order for the transition to be working correctly and optimized it needs:**
  - Clear distinction between roles
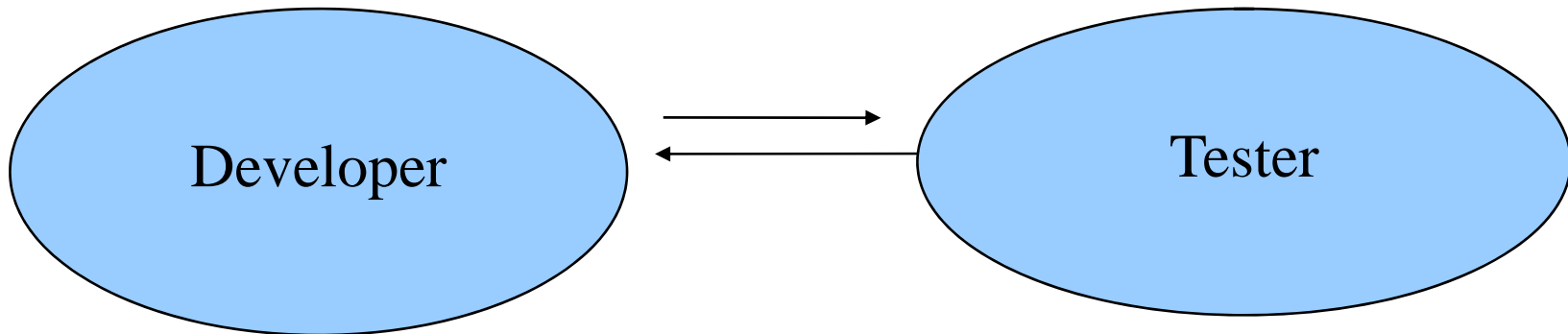
none of the SA3 INFN members is a developer of the component under testing

nevertheless, close (also geographically) collaboration and continuous feedback between developer and tester

- **Code freeze before pre-certification testing can start:**
  - Testers should be able to run a full set of functionality and regression tests on code that has been frozen and identifiable by a clear tag
  - Internal releases are possible before sending the patch into certification
  - Final set of tests before sending patch into certification should be done on a 'stable' version of the software

- **Deployment testing, including:**
  - Patch preparation, creation/administration of the relative configuration in ETICS
  - Implementation of the component configuration via yaim and testing of it
- **Testsuite development for functional testing**

- **Test analysis and test case development requires (among others):**
  - clear description of the bug and a general indication on how it could be tested or reproduced (by the developer or by whom opened the bug)

- **Soon to be ----->'Product Teams'**
  - From the DoW:
    - *Certification tasks will be assigned to the existing engineering teams and their clusters of competence to form integrated product teams. The product teams will be* **completely** *responsible for delivering to state certified (i.e. proven using the established criteria to be ready for production deployment) working, deployable, production quality software to operations by balancing the allocation of work (engineering, testing, and certification) within the team.*

- **Main difference with respect to the current 'cluster of competence' concept --->**
  - ----> also certification will be done by testers close (also geographically) to the developers

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