

Summary

Collaborative tools track

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Content

- Statistics
- Oral presentations
- Personal view
- Conclusion and recommendation

Statistics

- The Collaborative tools track:
 - 17 contributions in total (3 initially incorrectly classified)
- Different areas of collaborative technologies from CMS systems to HD videoconferencing
- Representative examples of each area chosen for oral presentation (6 + 2)
- Finally, 7 oral presentations (one did not appear)
9 poster presentations

Oral presentations on Monday

- *CMS Centres Worldwide: a New Collaborative Infrastructure*
Taylor, Lucas
- *Dirac secure Web User interface*
Casajus Ramo, Adrian
- *Lecture Archiving on a larger scale at University of Michigan and CERN*
Herr, Jeremy
- *Evo (Enabling Virtual Organizations)*
Galvez, Philippe
- *High Definition Videoconferencing for High Energy physics*
Gottschalk, Erik

Oral presentations on Tuesday

- *Indico Central – Events Organisation, ergonomics and Collaboration Tools Integration*
Gonzalez Lopez, Jose Benito
- *Collaborative Tools and the LHC: Some Success, Some Plans*
Goldfarb, Steven

Oral presentations – Summary

- Club B full both on Monday and Tuesday
 - More than 45 attendees
- Extensive discussion after each presentation
 - Usually 1 to 4 questions
- General discussion at the end of the section
- On Tuesday, the time allocated for discussions was even not enough
- Generally, all presentations were of high quality

CMS Centres Worldwide: a New Collaborative Tool

- Authors:
 - Lucas Taylor, Northeastern University
 - Eric Gottschalk, Fermilab
- CMS Centres support experts' collaboration, computing operations, education and outreach
- Based on PCs with screens, TVs and projectors, with CMS web based system and Linux and Web applications
- Support communication between 4 main centres (Evo and chat)
- More information on <http://cern.ch/lucas-nice/cms-centre/WWW/cms-centres-worldwide.pdf>

Dirac Secure Web User interface

- Author:
 - Adrian Casajus Ramo
- Web based user interface to make grid more user friendly
- Not only monitoring but also steering main user activities on the grid, tracking jobs and data
- Grid security standards

Lecture archiving on a larger scale at University of Michigan and CERN

- Author:
 - Jeremy Herr
- Web lecture
 - Lecture Object (data object with metadata, timing, ...)
- Since 1999 recorded data for Michigan atlas
Collaboratory object
- Now CARMA service, 26 diverse customers
- Currently 2321 lectures in the archive
- Scales very well

Evo (Enabling Virtual Organization)

- Author:
 - Galvez Philippe
- Designed for LHC
 - From laptop to conference room
- Widely used (2008: 6092 active meetings)
- Architecture
 - Clients + network infrastructure (logical and physical)
 - H.323 infrastructure, SIP integration, telephone integration
- Full HD integration
- More information on
http://evo.caltech.edu/evoGate/Documentation/EVO_Manual_EN.pdf

High Definition Videoconferencing for High Energy Physics

- Author:
 - Eric Gottschalk
- Parameters:
 - Resolution at least 720p (1280 x 720)
 - 25 – 30 fps
 - bitrate at least 1Mbps
- Used in CMS centres
- Polycom HDX or Tandberg Edge 95 MPX, MCU
- Permanent communication

Indico Central – Events Organization, ergonomics and Collaboration Tools

- Author:
 - Jose Benito Gonzales Lopez
- Conference management software
- Goal: conferences, lectures, meetings, room booking, services
- 40 institutions, 60000 events, 320000 contributions, 460925 stored files
- Usability study including conclusion
- Solution: new interface and background
- Examples demonstrated (also on CHEP 2009)

Collaborative Tools and the LHC: Some Success, Some Plans

- Author:
 - Steven Goldfarb
- LHC challenge
- Videoconferencing – new standard VC Venues 2008
- EVO, ESNET and CERN MCU
- Audioconferencing
- Indico
- Summary of previous talks

Personal point of view

- Collaboration of utmost importance for the community of computational high energy physicists (compared to other scientific areas)
- This community is highly developed and technically on very good level
- Collaborative tools are not only used but also developed and provided to other communities
- New generation of collaborative tools needs to be developed

Conclusion

- The whole Collaborative Tools track received “only” 17 contributions
 - 8 selected for oral presentation
- However the participation on two sessions was very high, also the audience was interested (many questions)
- This implies very high interest in the subject
 - Not precisely reflected by the number of contributions

My suggestion:

Keep this track on CHEP 2010 in Taipei
Please, send contributions to this track!