Common Information Systems

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The goal:

allow distributed development of the detector in a worldwide environment

allow collaborative mode of operation

allow easy access to data, drawings etc.

Needed on several levels:
   general information/ documentation
   Exchange of data file/ access to simulated and real data
   exchange and access to engineering data

General Information

First step:

    http://www.ilcild.org

general ILD WEB page run by Victoria based on plone

Allows everyone to simply put information on the WEB, and to maintain this

Each sub-group is asked to provide information on the sub detector, and to use this page as an entry point to more detailed information.

Meeting management:

based on indico: http://ilcagenda.linearcollider.org
is entry point where information on all ILD meetings is kept.

Software Information

At least for LCIO/ MARLIN based software:

http://ilcsoft.desy.de
general software portal where information on all available packages can be found.

Connection to "GLD" software needs to be established

Link to database which allows access to all simulated events is available from ilcsoft.desy.de

Data are stored on the GRID and are accessible from everywhere in the world, if you have access to the GRID.
(example: data transfer SLAC – DESY has been sucessfully done on the GRID)

Engineering data

Detailed development of the detector and of sub-detectors needs a powerful information management system:

- Allows to make data accessible to a broad audience
  - Access should be possible from actual engineerung program (CAD, etc)
  - Access should be possible through WEB (viewing mode only)
- Allows to put some release control in place (engineerind data should see some minimal control before being accessible widely)
- Allows some versioning control

  - Should allow to define dependencies: if A changes, B needs to be changed
  - Should allow to define "managers" and "responsibles" for different parts/ groups/ systems

Engineering Data Management System

EDMS

Many EDMS systems exist on the market

Usually they are proprietory software, and expensive

The accelerator community has chosen a system and has negotiated access to this.

Teamcenter Software in use at DESY and FNAL, supported by DESY for the ILC

Should be adopt the same system within ILD?
Can this be done?
What are the consequences?

We need to converge to a common system otherwise there will be a lot of friction and loss of efficiency!

Summary

We should not underestimate the importance of good information services

Please help to make ILD information as easily accessible as possible

As a group we need to try to set ourselves some standards, to ease the work for everyone.

(always keeping in mind to minimise unneeded definitions / standards, etc: keep it simple)