

e-learning modules by and/or for ATLAS and All

ATLAS S&C Workshop

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What we are talking about

We have collaborators and users who:

- Come and go frequently or change function
- Need to learn fast our tools, methods, operations
- Have not much time for extensive documentation reading but wish to know the full functionality, the workflows, the procedures, the installation steps... etc.

What we can do

- Define a list of topics that you need to frequently explain.
- Work on the exact text to make them short and clear.
- Use our IT e-learning project to facilitate rehearsing, material editing, experience documenting.
- We 'll have a part-time student for a few months, IT expert help from audiovisual services and a lot of coordination enthusiasm from my side, lets try some topics, e.g. Computing tutorials for the HEP software and computing knowledge base.

First for Internal consumption

Explain technical & scientific content in mini-tutorials, more ***precisely*** than in meetings, conferences & presentations. Across IT teams: expert ***formal*** explanation on how our tools are built.

1. Physics – IT applications: mutual information exchange, to understand why applications are as they are and how they can be optimised and/or also used by others.
2. Cross-experiment method sharing, e.g data access, for mutual help and time saving.

Beneficial for the community

At a later stage, make some of these modules, as appropriate, available for:

1. The whole of CERN.
2. The rest of High Energy Physics world.
3. Other fundamental research disciplines.
4. Collaborations with industry, current & future.
5. CERN outreach activities, schools, universities, web communities...

“How-To” Proposal

- Use the existing studio facilities at CERN, e.g. the room in building 42 or simply a camera on the computer of the ‘lecturer’.
- Rehearse, rehearse, rehearse for max. clarity and min. duration ($\leq 5'$), to maintain attendees’ attention.
- **Start small:** Make a few e-tutorials in the service of the ATLAS shifters, and about IT applications used by the community, e.g. “How to open a GGUS ALARM”, “What to do in case of data transfer failures”, “How to set-up a Grid site”, “How to join ATLAS @ home”, “Indico’s full functionality” etc.
- Measure success by collecting feedback before continuing.

Conclusion – All is here:

<https://twiki.cern.ch/twiki/bin/view/ELearning>

Thank You!

