# Update on Training for ATLAS Computing

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# Status

- Focus is on OO/C++ training!
- Network of training contact people
- Course(s) for systems coordinators/task leaders
- Consultancy group
- UCO in building 40
- Web pages

# Training contact people

- Little interaction so far
- Names put forward from:

  Canada, China, Denmark, France (IN2P3),

  Georgia, Greece,Israel,Italy, Morocco, Norway,

  Poland, Romania,Russia, Slovenia, Spain,

  Sweden, Switzerland,Turkey, UK, USA

# Training contact people

- No names yet from

  Armenia, Australia, Austria, Azerbaijan, Belarus, Brazil, Czech Rep., Finland, France (CEA), Germany (BMBF/MPI), Japan, Netherlands, Portugal, Russia(JINR), Slovak Rep

# Courses for systems coordinators/task leaders

- Hands-on Analysis, design and programming with C++
  - 2nd course on September 20-24th at CERN
  - Few people from ATLAS registered
    - Room for **18** in total
    - **10** places given to CHORUS/COMPASS!
  - Organise one more? (possibly Nov. 22-26 or Dec 6-10)

# Other courses

- Courses started in US by Object Mentor
  - 1st course in Brookhaven in early August
  - next one in Chicago on September 20th - 24th
- GEANT4 courses very popular
  - next on September 20th - 24th for LAr (CERN)
  - November 8th - 12th in the US (Fermilab)
- Courses following on from Hands On C++

# Courses following on from Hands On C++

- A need for courses on the following topics has been identified
  - Use of the Standard Library
  - C++ pitfalls
  - Patterns workshop

# Consultancy

- Some names identified:
  - **Wim Lavrijsen, David Malon, RD Schaffer, Lassi Tuura**
- Suggestion is to use the mailing list

  atlas-sw-developers@atlas-lb.cern.ch

# UCO in building 40

- Now open 10:00-12:00 on Monday, Wednesday and Friday
- Books available to browse and can be ordered from COBS

# Training web pages

- http://atlasinfo.cern.ch/GROUPS/SOFTWARE/OO/training/

(Accessible from the ATLAS home page under “Computing Training”)

- Pages updated weekly

# Training web pages (2)

- Recent additions
  - C++ syntax guide
  - C++ Standard Library references
  - OO Glossary
  - Links to commercial web-based training (NETg, ZDU)

# Other activities

- Preparation of C++ training guidelines in progress - 1st draft available on the web
- Consultant discussed training needs with ATLAS and CMS - preliminary report now available on the web
- Discussion on a C++ tutorial series by IT division has not advanced

# Next goals

- Make available web-based training courses (Netg, ZDU) via CERN Technical Training
- Identify good physics examples!
- Organise design and code walkthroughs of reconstruction code (iPatRec)

# Next goals (2)

- Finalise C++ training recommendations
  - Do's and Don'ts
  - ATLAS specifics (.cxx, coding rules, etc..)
- Complete training contacts list
- Organise follow-up courses
- Compile a HEP glossary
- Create small stock of training materials? (books, CDs) -> need a budget

*Suggestions are welcome!*