Software Development Policies for LCG Applications

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SDP Overview

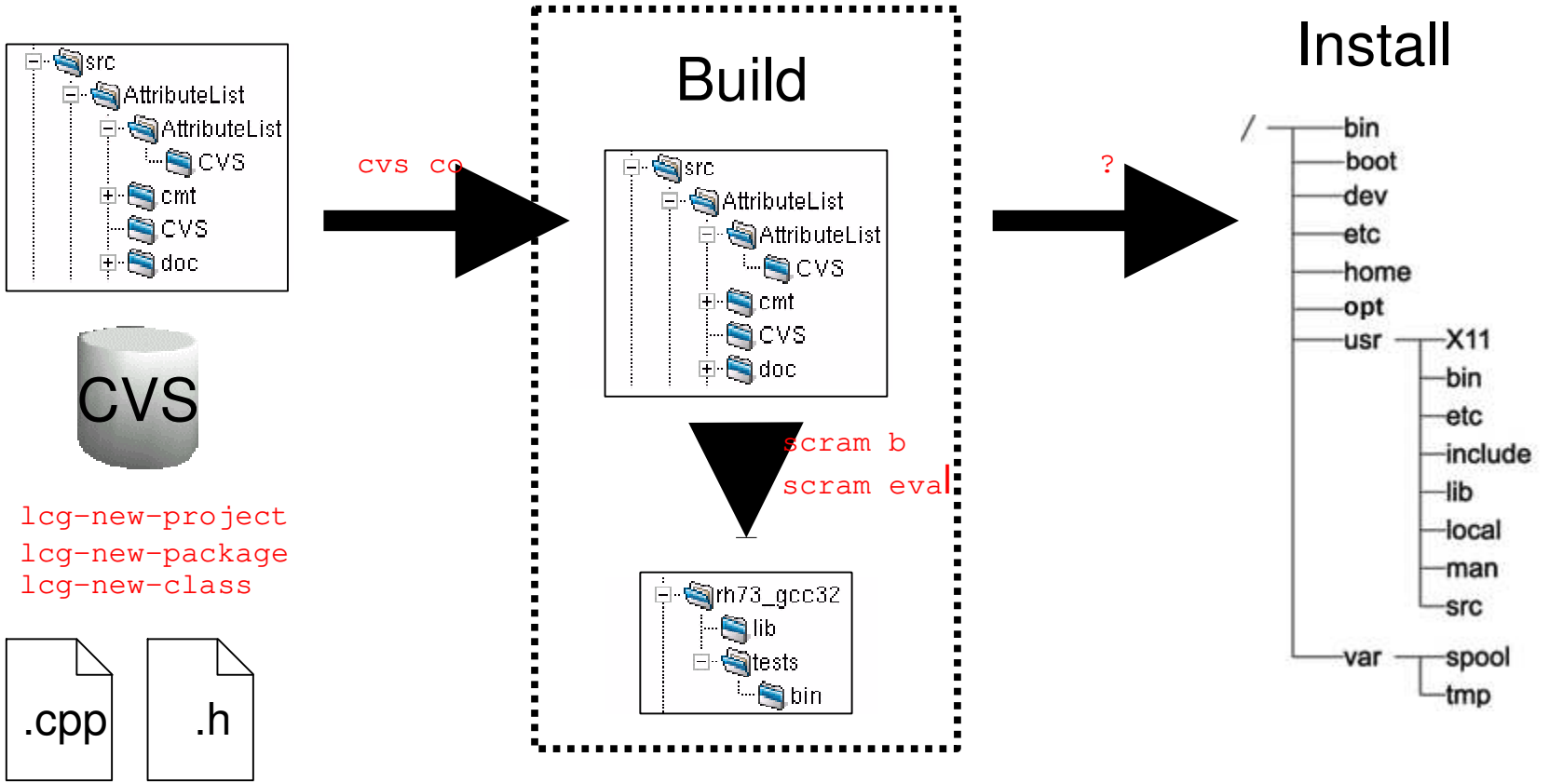
- Software Development Policies (SDPs)
  - CVS tree layout
  - C++ Source Code conventions
  - Build tree layout
  - Install tree layout
  - Tagging and Releasing rules
- SDPs are:
  - a set of documents that describe policies
  - some tools to make it easier to apply policies

Why we need SDPs?

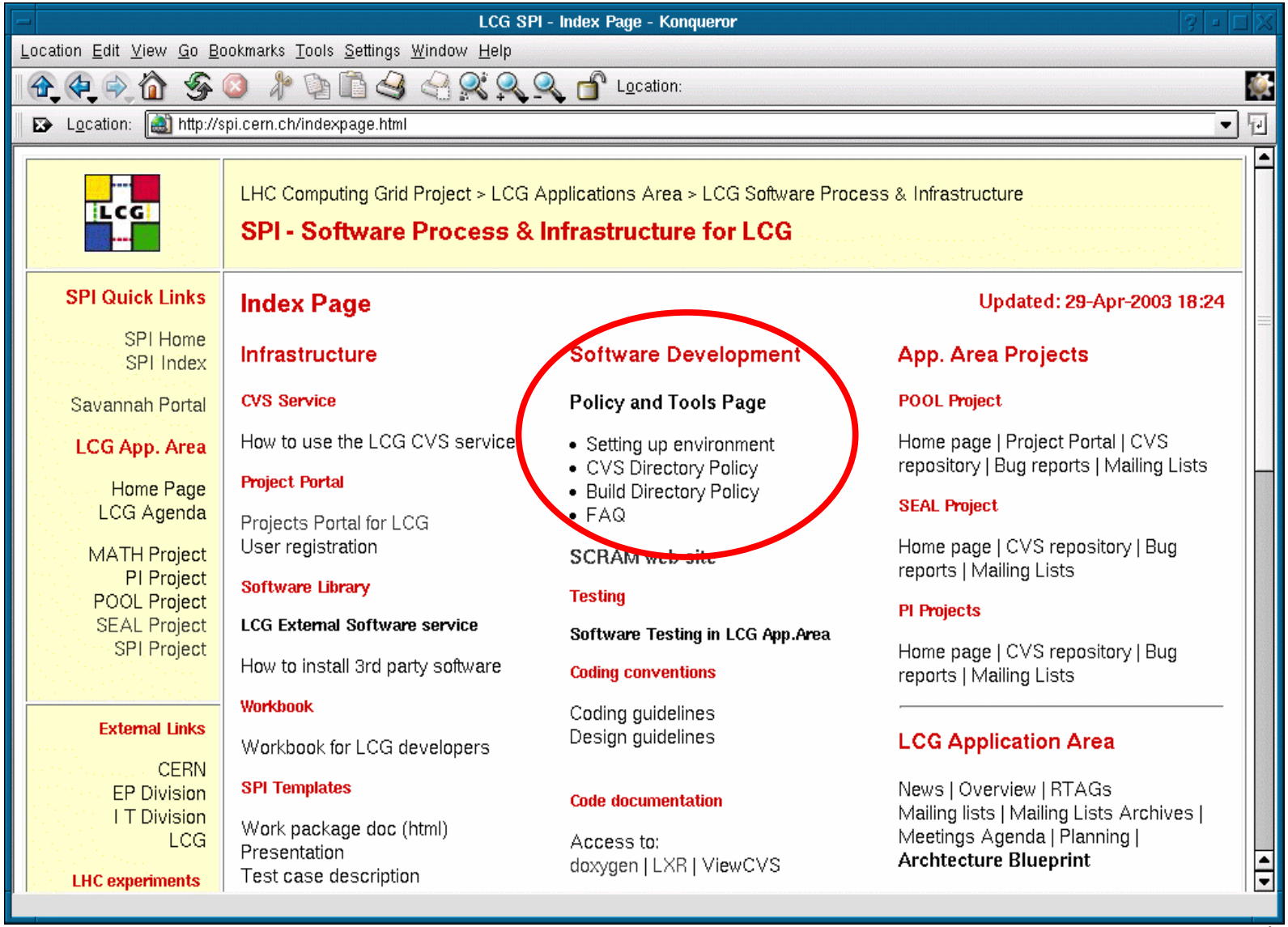
- uniform naming and structure of the LCG projects
  - easy to understand and use by humans
  - scripts and automation possible
  - shorter start-up time for newcomers
  - increased productivity for project members
- shared documentation and tools
  - avoids redundancy in projects
  - keeps the whole Application Area coherent
  - http://spi.cern.ch/indexpage.html

Overview of development environment

common setup procedure



SPDs in detail



Working out SDPs

- Working out and agreeing on SDP is:
  - difficult – nonetheless it is not Higgs research
  - takes time – weeks / months
  - consumes resources – people seem to love discussing it
- Our SDPs
  - are not perfect
  - but are a sensible compromise
  - but they are already in place

SDPs in detail

- Live demonstration of SDPs details and features in the Web.

Summary

- LCG/SPI provides Software Development Policies and Tools to support them
- It is in interest of every LCG Project to apply common Policies
- Some of the Policies may be improved but it is an achievement that they are already there and they should be applied
- Please feed back on Policies to LCG/SPI