

# A proposal for openlab project Documentation

CERN openlab II Monthly Review  
27 February 2007

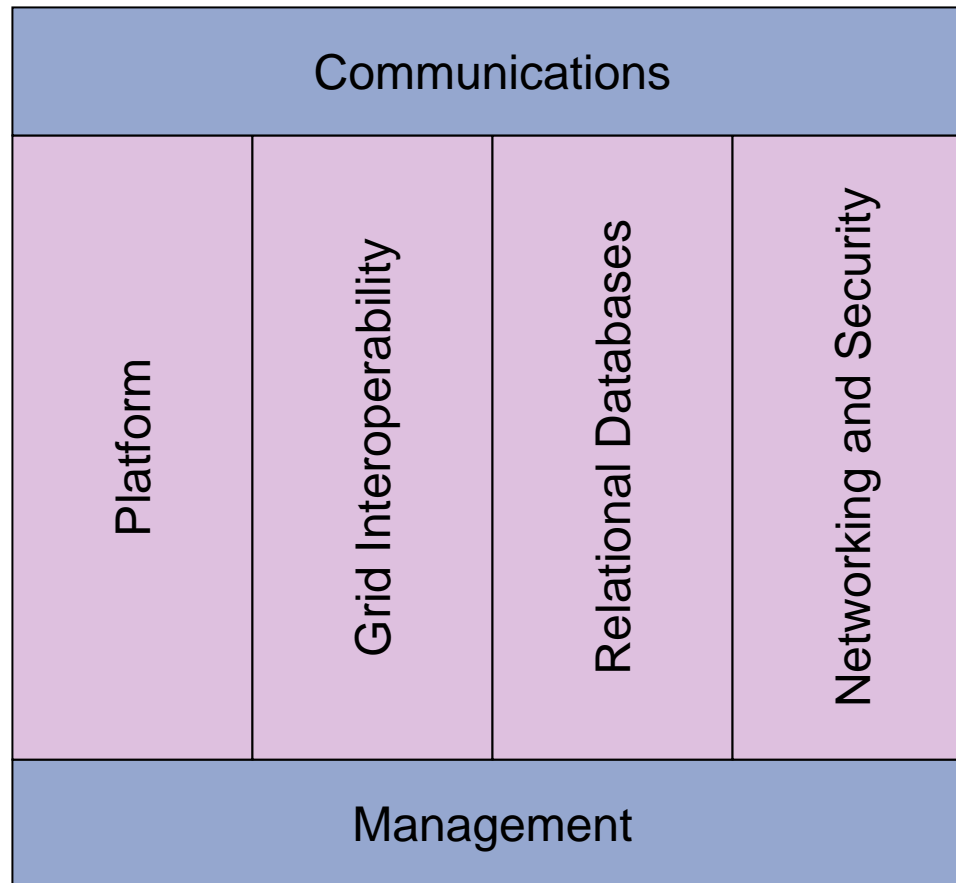
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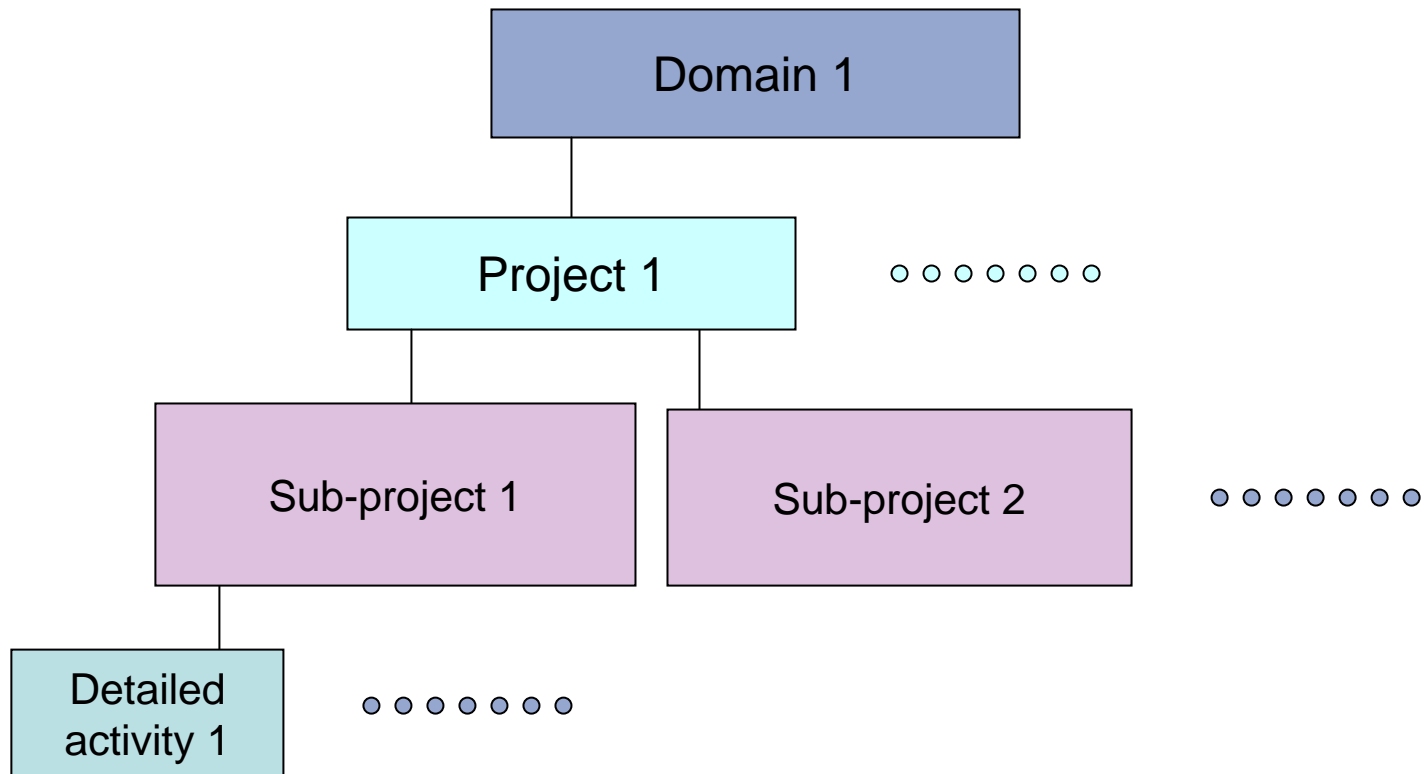


- Document better what we are doing
  - For ourselves
  - For our partners
  - For the external world
  
- Create a portfolio for further use
  - Web pages
  - Summary papers for
    - Quarterly Reviews
    - Annual Reports
    - Etc.
  
- Maintain history

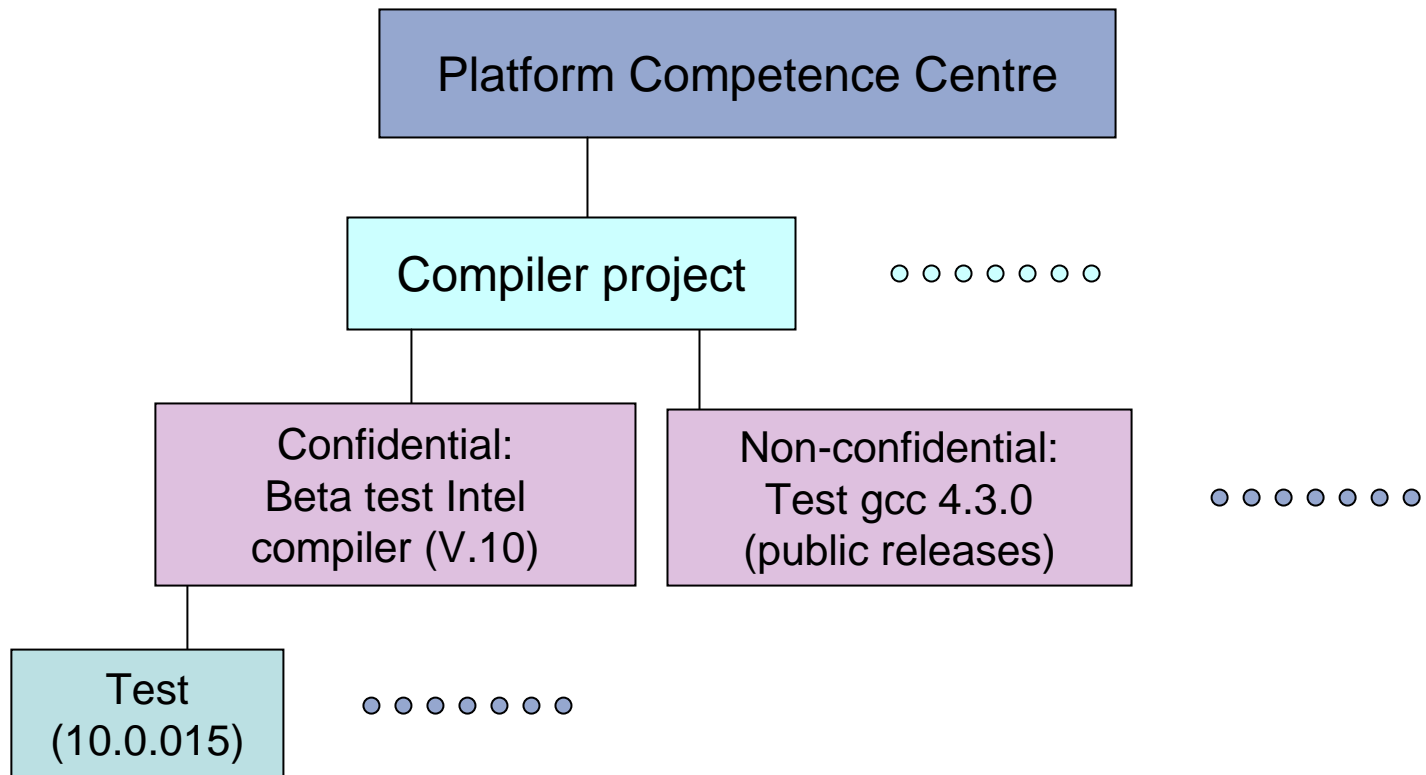
- 4 technical domains



- Document all projects (per domain)
  - With sub-projects (as shown)



- Example (based on compiler project):



- Proposal
  - Category (**PCC, GIC, DB, NW/SEC**)
  - Confidentiality (Yes/No)
  - Title
  - Project (and revision) number: **P001-R01**
  - Dates (start/finish)
  - Participants
  - Partner participation
  - Interested parties
  - Short (project) description
  - Major achievements
  - Future plans
  - Documentation (Web pages, papers)
  - Last update: (date/name)

<b>Category</b>		<b>Confidentiality</b>		
<b>Title:</b>				
<b>Project number:</b>		<b>Starting date:</b>		<b>Ending date</b>
<b>Participants</b>				
<b>Partner participation:</b>				
<b>Interested parties</b>				
<b>Short description</b>				
<b>Major achievements</b>				
<b>Future plans</b>				
<b>Documentation (Web pages, papers)</b>				
<b>Presentations</b>				
<b>Last update</b>		<b>By</b>		

# Example (based on suggested form)

Category	PCC	Confidentiality		When beta testing	
<b>Title:</b>	<b>Compiler project</b>				
<b>Project number:</b>	<b>P001-R01</b>	<b>Starting date:</b>	<b>Jan.2003 (OL I)</b>	<b>Ending date</b>	
<b>Participants</b>	<b>S.Jarp, M.Kapalka (SS-03/04), J.Dana (SS-05), K.Liu (SS-06)</b>				
<b>Partner participation:</b>	<b>Intel Compiler Team (Support and Development), HP Compiler Team (mainly the support of openCC)</b>				
<b>Interested parties</b>		<b>HEP C++ programmers</b>			
<b>Short description</b>	<b>Provide feedback on C++ code generation based on relevant HEP codes. Test compilers for correctness and speed at various optimization levels.</b>				
<b>Major achievements (to date)</b>	<b>Large number of improvements and corrections implemented to date (mainly Itanium - both major and minor). Convinced Intel to use ROOT for regression testing. ROOT/GEANT4 snippets created for easier testing.</b>				
<b>Future plans</b>	<b>Currently testing Intel 10.0, openCC 3.0, gcc 4.2.0 and gcc 4.3.0, but future releases already in plan</b>				
<b>Documents (Web pages, papers)</b>	<b>Currently Web pages, Article submitted to CERN Courier</b>				
<b>Presentations</b>	<b>Multiple presentations to HP, Intel compiler teams, Gelato compiler subgroup (with GCC participation), CHEP, etc.</b>				
<b>Last updated</b>	<b>Feb.07</b>	<b>By</b>	<b>S.J.</b>		



# Further implementation proposal

- Create an infrastructure around it
  - Web form
  - Project numbers
  - Repository for filled-in forms
  
- Agreement on what is a project/sub-project/activity via each technical coordinator
  
- Update (if needed) for each Quarterly Review

# Questions ?