

PH-SFT GROUP

Priorities and Organization for 2011 and 2012

Follow-up to SFT Review (2009/2010)

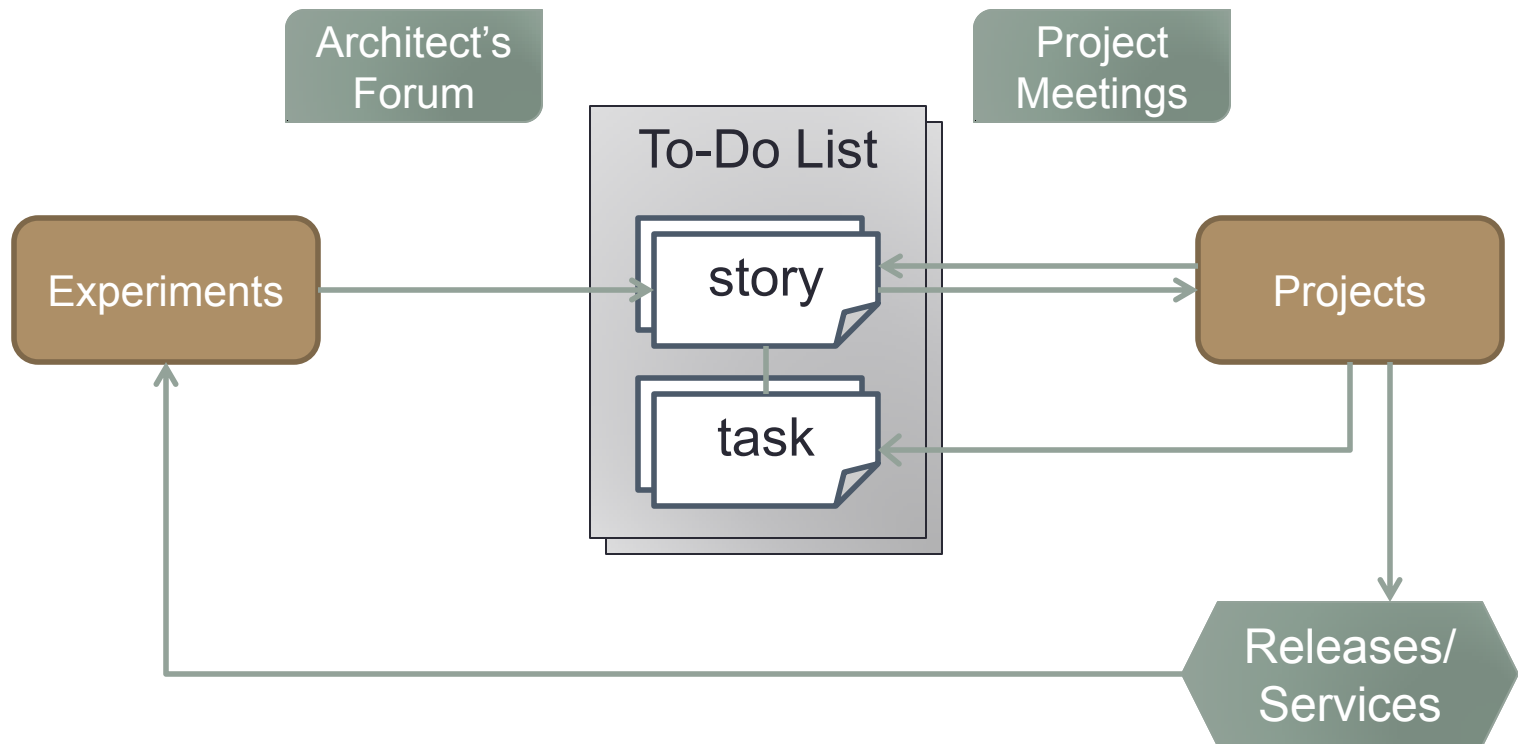
Reminder: Roles and Responsibilities

- John will take over as GL, managing group team organization and resources
- Pere will continue to run the AF and will chair the weekly technical group meeting that steers the baseline and consolidation tasks
- Fons will lead the ROOT development team.
- Gabriele will lead the Simulation development team
- Benedikt will lead the SPI activities
- Rene will lead the new event simulation project
- Vincenzo and Predrag will continue to lead the Multicore and CernVM R&D work packages

Remninder: Architects Forum Changes

- Reinforce the strategic planning of the contents and schedule of releases for the SFT products
 - Set priorities and monitor progress of the to-do list of each project
 - Feedback and new requests for the services provided by the SFT group
- Enlarge the current scope by incorporating simulation and analysis use cases
 - We may need to adjust the experiment's representation to cope with this enlargement

Project Management



User Story and Tasks

- A **user story** is one or more sentences in the everyday or business language of the user that captures what the user wants to achieve
 - User stories should be written by the customers for a software project and are their main instrument to influence the development of the software
 - It should be accompanied of an acceptance test (definition of “done”)
- Projects will break each user story in a number of **technical tasks** in order to implement the user story

Project Planning Tool

- Requirements:
 - Manage the list of tasks for each project
 - Coarse granularity (minimal task size one person week)
 - Support for hierarchical tasks (story → task → subtask)
 - Support the discussion with the stakeholders (AF meetings)
 - Support the scheduling of tasks to releases and other deliverables
 - Easy to re-prioritize, breakdown, follow progress, assign, comment, etc.
 - Web based tool with world read access
- Non-requirements
 - Work log (record the time spend in each task)

Tool Evaluation

- JIRA-Greenhopper (<http://www.atlassian.com>)
 - Instances used in various projects at CERN (EN-ICE, BE-CO, GS-AIS, IT-GD). Very good feedback
 - “Open-source” projects can get a free license with some conditions
 - Installed trial license (30 days) (<http://sftjira.cern.ch:8080>)
 - Does fulfill our requirements
- Redmine (<http://www.redmine.org>)
 - Flexible project management web application. Very good reports from JIRA users.
 - Open source (GPL)
 - It looks very promising and does fulfill our requirements
 - Making our own installation

JIRA Example



Simulation ▾ **Default** ▾ ↻

Planning Board ▾ Version ▾ 2011/Q1 ▾

+ New Card 👁 Views ▾ ⚙ Tools ▾



Board Search

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Statistics



	SIM-1 4 Subs ▾	4th simple benchmark for Geant4 and Fluka on diffraction of nuclei	2011/Q1	Physics Validation
	SIM-23 SIM-1	Comparison with HELIOS data: differential cross sections	2011/Q1	Physics Validation
	SIM-28 SIM-1	Prepare AA report	2011/Q1	Physics Validation
	SIM-24 SIM-1	Apply corrections to simulation as for data	2011/Q1	Physics Validation
	SIM-25 SIM-1	Evaluate NA62 paper	2011/Q1	Physics Validation
	SIM-2	Investigation of the effects of model transition on energy resolution	2011/Q1	Geant4
	SIM-4	Shower shapes comparisons through the use of precise observables (shower moments)	2011/Q1	Geant4
	SIM-7	Porting of generators to MacOSX 64 bits	2011/Q1	Generators
	SIM-9	Support MCDB for CMS production	2011/Q1	Generators
	SIM-22	New Physics Validation sub-project web-page	2011/Q1	Infrastructure
	SIM-12	Geant4 web pages based on Drupal	2011/Q1	Infrastructure

Unscheduled

Geant4 9.4.ref01

Geant4 9.4.ref02

Geant4 9.4.ref03

2011/Q1

2011/Q2

2011/Q3



Geant4 9.5

2011/Q4

Planning example

- Four requests received from LHCb for the Simulation

Displaying issues 1 to 4 of 4 matching issues.

T	Key	Summary	Assignee	P	Components	Status	Resolution	Updated	Due
	SIM-32	Make available the FLUKA/FLAIR libraries in the LCG external area	Gabriele Cosmo		Infrastructure	 Open	Unresolved	20/Jan/11	
	SIM-31	Accurate description of cross sections and multiplicity production in thin layers of material for hadrons (in particular for kaons)	John Apostolakis		Geant4	 Open	Unresolved	20/Jan/11	
	SIM-26	Enable displacement in Multiple Scattering process in stepping in tracking detectors	John Apostolakis		Geant4	 Open	Unresolved	20/Jan/11	
	SIM-30	Make available in the LCG-nightlies the MC generators build against both the production version of HepMC and latest version	Witold Pokorski		Generators	 Open	Unresolved	20/Jan/11	

Displaying issues 1 to 4 of 4 matching issues.