

Community White Paper Editorial Board Meeting

Introduction

Second Draft Status

- **The second CWP draft is now ready for release**
- There was a lot of intense work from the ghost writing team who have more or less worked on this 24x7 this week
 - Thanks a lot to Eduardo, David and Benedikt for joining Michel, Graeme and John
 - Email to join the ghost writers: hsf-cwp-ghost-writers@googlegroups.com
 - We could not have done it without you!

Second Draft - Missing Section Update

- Physics Generators
 - There was some intense interactions with the MCnet community who started to realise better the goals of the CWP and that their contribution was important
 - They developed an [independent document](#) for us
 - This was integrated with the original WG document to form the Roadmap Summary by Graeme
 - There were then some intense rounds of discussions involving MCnet, the WG convenors and CMS colleagues
 - In the end this converged and produced a very fruitful result for Draft 2
- Security
 - This group pulled together a draft document very quickly
 - There was a round of editing, facilitated by Michel, and this is now in Draft 2
- Workload management, as feared, did not make it
 - We reviewed what the group did manage to produce, but it didn't add anything to the sections we already had (particularly DOMA and Facilities)

Second Draft - Major Changes

- Almost every comment that was made on the first draft was addressed
 - Mostly these were useful and we adjusted the text accordingly
 - There were very few where we did not feel the suggestion worked
 - Comments that were received privately in emails or by other means were hard to track and some of them will need to be followed up later
 - Particularly annotated PDFs are really awkward and sensitive to your PDF viewer
 - For the next round we will strongly emphasise our preference for Google Doc comments
- Some highlights of sections that had major changes
 - Simulation, reflecting the new development model from the Geant team and clarifying the role of R&D projects
 - Analysis, to reorder the content to be more logical and to fit into the roadmap structure
 - Machine Learning, to broaden the scope in HEP properly (LHCb and neutrinos) and make the goals more concrete
 - Career & Training: improved contents, better Career Recognition coverage

Second Draft - Section Reordering

- We have reordered the sections as we discussed in previous EB meetings

3 Programme of Work	12
3.1 Physics Generators	13
3.2 Detector Simulation	17
3.3 Software Trigger and Event Reconstruction	24
3.4 Data Analysis and Interpretation	29
3.5 Machine Learning	33
3.6 Data Organisation, Management and Access	38
3.7 Facilities and Distributed Computing	43
3.8 Data-Flow Processing Framework	47
3.9 Conditions Data	50
3.10 Visualisation	53
3.11 Software Development, Deployment, Validation and Verification	56
3.12 Data and Software Preservation	60
3.13 Security	65

Releasing the Draft

- We will proceed as for Draft 1:
 - Copy the working Draft 2 document into a fresh Google Doc
 - With comments enabled for the community
 - Snapshot the text as a PDF (with line numbers)
 - Prepare an update for the HSF Website
 - Announce the release of the second draft by email
- **This will be done right after this meeting**
 - Announcement expected by the end of the afternoon CET
- Comments will be open for 2 weeks
 - i.e., closing on Friday 1 December
 - This is enough time for interested people to review, but not so long that it becomes *hasta mañana...*

Towards the Final Draft

- As there are things we did not manage to get in for Draft 2, we will also, in parallel, start a document that collects TODO items for the final draft, e.g.,
 - An updated IF schedule
 - A plot of fraction of CPU potential achieved across processor generations
 - Really fixing the references
 - This document will probably be made public, but not publicised (to avoid confusing people)
- Our intention remains to move to LaTeX for the final version
 - The best way to manage the migration still needs to be found, we will try some experiments next week
 - Also the best way to manage comments and suggestions needs some thought
 - Once we go to LaTeX we lose the power of Google Docs for this
- **We will definitely hold to our timeline, final draft by 15 December**
 - Most of the content is already polished and we don't expect comments requiring major changes

Signatories and Publicity

- Our push for signatories was rather successful
 - 55 people have now signed up
 - Still very much LHC-centric...
- We should now have a second push, based on the release of Draft 2
- And also publicise widely
 - So can all EB members please propagate knowledge of Draft 2 widely
 - This is a close to final version, so we should go widely at this point
 - Particularly those of you in (or in contact with) a non LHC experiment
 - Where there is a suitable opportunity, please arrange a talk
 - Andrea Valassi is giving a talk next week to LHCb
 - Graeme will give a talk at ATLAS S&C week

Open Point : Impact of Roadmap Items

- Mike Sokoloff did send some suggestions about a way to prioritize work items in the CWP via impact statements
 - With the preparations for Draft 2 being so intense we did not have time to consider this properly
- If we are to embark on this then we need to decide on it rather soon
 - With 13 WG areas it would be a significant task: should probably concentrate on a “minimalistic” approach
 - We think we would need an EB next week as this is an important issue

WG Individual Papers

- We were asked by the [HSF general meeting last week](#) if we had an opinion on the upload of individual WG papers to arXiv
 - Should the EB have a say (kind of light peer review) whether the paper is ready for pushing to Arxiv? Probably no... (at least because this is too much work)
 - Should stress the WG conveners that it would be good to ensure they resynchronise their R&D roadmap with the global paper: a lot of refinements happened during draft 1 and draft 2
 - Should they have an authorship list that reflects who wrote the paper? Or who supports the paper? Or do we leave this up to the WG to decide?
- Do we reference these papers in the global CWP? How?
 - Some may be finished later than the global CWP so probably difficult
 - Do we ask WG to reference explicitly the global CWP: should work for most of them but some may be published before?
 - Do we add a general statement and a URL to a page that will contain the final list (and be easy to update), for example on HSF web site?