

Event Processing Frameworks

Primary *organizers* / members of the WG are:

1. *Jim Kowalkowski*
 2. *Liz Sexton-Kennedy*
 3. Benedikt Hegner
 4. Paolo Calafiura
 5. Simon Patton
 6. Charles Leggett
 7. Marco Clemencic
 8. Chris Jones
 9. Marc Paterno
 10. Thomas Kuhr
- Giulio Eulisse
 - Mohammad Al-Turany
 - Hadrien Grasland
 - Sebastien Binet
 - Chris Green
 - Kyle Knoepfel
 - David Malon
 - Vakho Tsulaia
 - Gordon Watts
 - Oli Gutsche
 - Amir Farbin

Cross-cutting Elements

The document explains the connections of the Framework to the following cross-cutting areas:

Computing Model

Data Analysis - [useful discussions this week](#)

[Data and Workload Management](#) - [should we subsume this?](#)

Conditions Database

Visualization

Simulation and Reconstruction

Practical Consideration for Progress in the WG Area

What are the proposed R&D activities over the next 5 years toward these applications?

Fleshed out this at the workshop. Much of the work in the first year is exploratory so it is mostly a list of questions..

We think that at least one thing can be delivered in Run3,

but mostly the 3rd year has to be the year that the selection of solutions can be documented in CTDRs depending on the first year investigations we

How will the software be deployed by the experiments and sustained for the duration of the HL-LHC?

Sustainability is the major driver for attempting a common framework **Manpower is a concern**

What are the primary future applications you see in this WG area?

What is the likely impact that the techniques and applications will have on overcoming the challenges of the HL-LHC era?

Framework support for future techniques and technologies is essential, not investing is a large risk.

CWP Chapter Status and Plans

How do you plan to complete your chapter?

- Obviously we need to brainstorm about a possible R&D roadmap
 - We did do this - most of the ideas need to be investigated and followed up in the first year
 - We propose an HSF forum modeled on the concurrency forum

What do you expect to accomplish by the end of this workshop?

- Since most of the challenge is social (requiring commitment from stakeholders) it would be great to get input from the wider community.
 - Did not really get wide input but we did get important input from proponents of ML, and new analysis models