

DPHEP – International Perspectives

Jamie.Shiers@cern.ch

A Brief History of Mine...

1. 1984 – 1989: **LEP**: VAX/VMS, CERNVM, DECnet, TCP/IP etc.
2. 1989 – 1993: FATMEN, CSPACK, HEPDB, ... (FNAL/DESY)
3. 1993 – 1995: CERNLIB, SHIFT and **LHC** computing...
4. 1995 – 1999: RD45 / LHC++ (SLAC, BNL, FNAL)
5. 2000 – 2004: Oracle, including Oracle 10g
6. 2005 – 2009: WLCG Service Challenges, CCRC'08, STEP'09
7. 2010 – 2012: EGI_DS, EGI-InSPIRE, ...
8. 2013 – 2015: DPHEP
9. 2014 – 2020: Horizon 2020?

Threads I've been following...

- [Research Data Alliance](#) – March 18 – 20 Gothenburg
 - An “IETF” for Data Management
 - Supported by US, EU and AU
 - In Europe via iCORDI “son of EUDAT”?
- [EUDAT](#)
 - ES, VPH etc
 - “Invitation” to archive LEP/ LHC data, test IRODS etc.
 - Workshop on data preservation prior to EUDAT in BCN
 - **Q: “Is international coordination needed?” A: yes**
- [APA](#) / [iDCC](#) / other digital preservation events
 - Make others aware of us; learn from them; build bridges / partnerships for future / imminent projects
- [e-IRG](#) – Dec 3-4 in Amsterdam
 - “shaping Digital Agenda for Europe”
- IMHO all worth following up to (at least) start of [H2020](#)
- We should develop “vision”(s) for sharing with funding agencies and others

DPHEP Vision

- IMHO we should try to cast existing / planned DPHEP activities into a (set of) vision(s), e.g.
 - 2020 Vision: ...
 - [pre-LHC experiments + first 10 years of LHC]
 - 2030 Vision: ...
 - [LHC + upgrades + ...]
- We could organise our work into a set of “challenges” with pre-defined metrics
- Plus an orthogonal view -> functional blocks (OAI5)

What if?

- We can be part of EUDAT-2?
 - Prototype long-term archives that survive long after the institute that created the data?
 - A more modest study with LEP / LHC / other data?
- We can be part of “SCIDIP-xx-2”?
 - Identify key work packages where we have particularly requirements / knowledge?
 - E.g. keeping “s/w” usable over long periods, adapting to widely changing e-Infrastructures
- “RDA-2”?
 - Wider data management standards definition and implementation of PoCs?

Timeline

- Jan 14-17: IDCC13 in Amsterdam
 - EU, EUDAT, ICORDI, APA, DCC etc will be there
 - “First” concrete information on FP8?
- Feb 21-22: ICFA at TRIUMF
- Mar 18-20: RDA “kickoff” in Gothenburg
- Apr 15-19: HEPiX in Bologna

- Nov 19, 17:00 UTC+1: first FP8 calls close????

- IMHO, Q1 (Q2?) will be critical for identifying potential projects and partners (and Q3 for writing proposals)