

Technology Watch Working Group

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Motivation

- So far, evolution of technologies and markets tracked on ad-hoc basis
 - Certain efforts by some sites
 - For example Bernd Panzer-Steindel at CERN
 - Little / no coordination, little information exchange
- Main purpose: Follow trends, better predict costs, optimise investments

Challenges

- LHC Run 4 / phase II and other Big Sciences
- Understanding better where technology and markets go becomes indispensable
- Wide area of topics to be covered in a regular and systematic manner

Proposal in Spring 2018

- Significant expertise and interest in many places, not restricted to major labs
- Leverage the expertise and interest to organise a more regular technology watch activity
- Form a working group open to people from all interested experiments and sites



WG Launch

- Call sent out on 03 September
- Surprisingly high level of interest
 - 58 subscribers on the mailing list hepix-techwatch-wg at hepix dot org
- Kick-off meeting on 24 September



Results from Launch Meeting (1)

- Scope: Mostly HEP, other sciences welcome
 - Coverage of other sciences' needs according to their contribution
- Deliverables:
 - Regularly maintained set of Web pages
 - Regular reports at HEPiX, GDB, WLCG workshops,...
 - Submissions to CHEP, ...
 - Citable publications (e.g. in CSBS)

Results from Launch Meeting (2)

- Domains to cover
 - General market trends, semiconductor markets, unit sales
 - Server market
 - CPUs and accelerators
 - Memories
 - Storage
 - Network



Results from Launch Meeting (3)

- Working mode: sub-groups per domain with one or two conveners each
 - People can subscribe to one or multiple sub-groups
 - More frequent meetings within sub-group
 - Regular (once per month, every other month or so) plenary meetings with progress reports from all sub-groups

Results from Launch Meeting (4)

- Working mode (cont'd):
 - Meetings mostly via videoconference
 - Face-to-face meetings at suitable occasions (HEPiX, WLCG workshops, CHEP, ...) if videoconferencing available as well
 - Dedicated face-to-face meetings?

Results from Launch Meeting (5)

- Infrastructure:
 - Start with one common mailing list (listserv.hepix.org hosted at CC-IN2P3)
 - Indico, Twiki, Vidyo at CERN

Participation

- Mailing list is impressive (58 members)
 - Many very busy people
 - Enough members to do real work?
 - Try and attract more
- Expressions of interest from people affiliated with a (relevant) commercial company turned down

Next steps

- Second (plenary) meeting next Monday 15-Oct

Interested?

Contact Bernd Panzer-Steindel at cern.ch
and/or myself

Comments?

