

Technology Watch Working Group

Helge Meinhard / CERN-IT
HOW Workshop 2019 at JLAB
19-Mar-2019

Background

- Increasing need to understand evolution of technologies and markets
 - Better predict costs, optimise investments
 - Provide input to computing models and software development
- Years of ad-hoc work by few sites, little coordination and exchanges
- Spring 2018: Proposal to set up a collaborative effort (WLCG workshop Naples, HEPiX Madison, ...)
- HEPiX working group launched in late summer 2018
- Target: HEP experiments, in particular LHC; other communities as they collaborate in the WG
- Scope: Evolution of technology and markets
 - Does not include benchmarking, cost modelling, software techniques and products – covered elsewhere



Techwatch WG - Organisation

- Chairs: Helge Meinhard, Bernd Panzer-Steindel
- Six sub-groups (with conveners):
 - General market trends, semiconductor markets, unit sales (Servesh Muralidharan, Peter Wegner)
 - Server markets (Chris Hollowell, Michele Michelotto)
 - CPUs and accelerators (Andrea Sciaba, Eric Yen)
 - Memories (Shigeki Misawa)
 - Storage (German Cancio, Martin Gasthuber)
 - Network (Edoardo Martelli, Rolf Seuster)



Next Steps

- Three presentations at HEPiX next week
- Presentation at EGI conference in May
- Article to be published in CSBS?
- Common deliberations with other WGs and stakeholders
 - How to ensure that results have the right impact on WLCG and other communities
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- Thanks to all WG members and the conveners for their dedication and contributions
- Interested? Never too late to join – contact conveners or HM

