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The APS Renewal: What's Happened Since the 2008 User Meeting?

Dennis Mills

Deputy Director, Advanced Photon Source

User Week 2009

May 4-6, 2009

Advanced Photon Source

Argonne National Laboratory

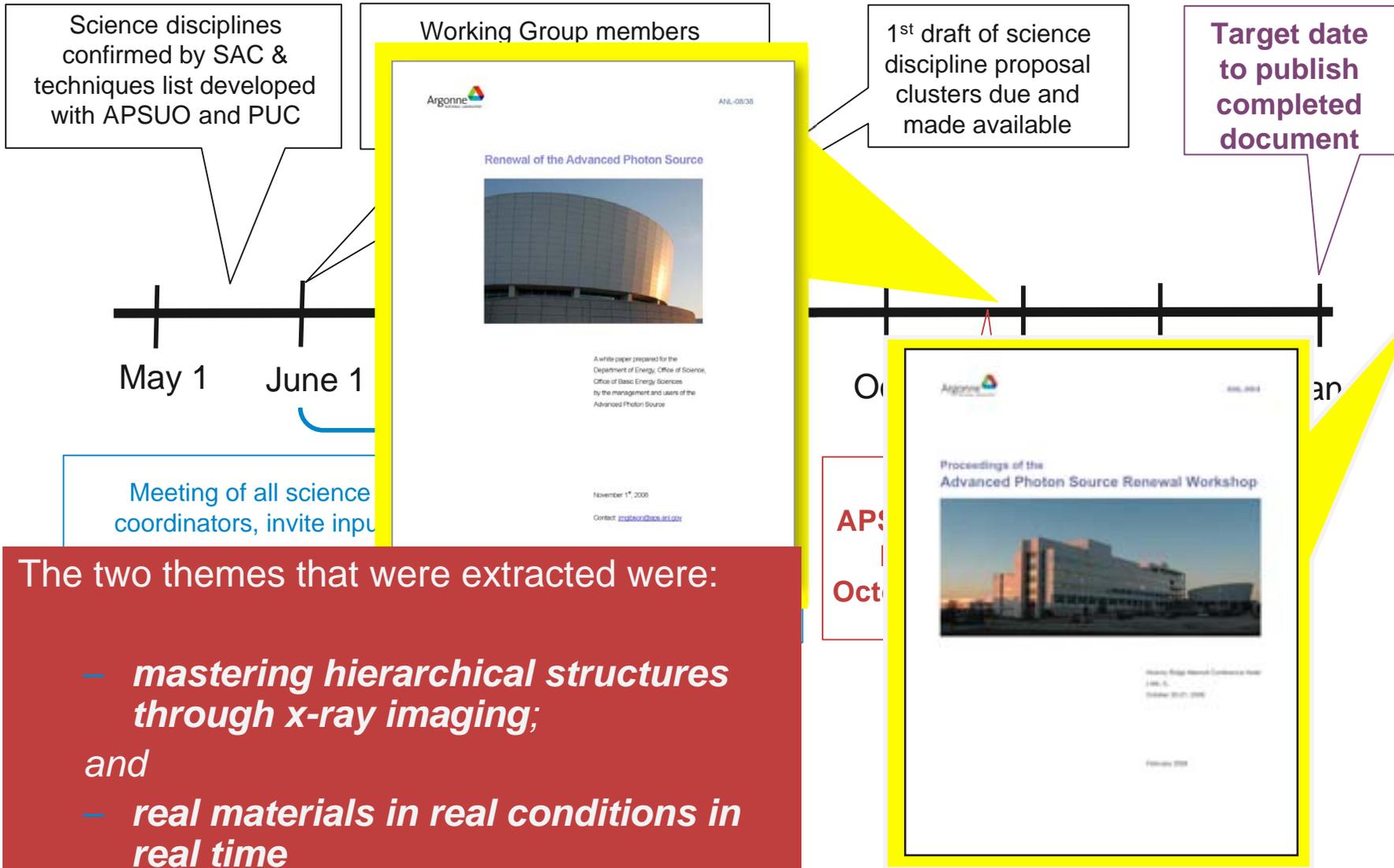
Renewal Steering Committee

- The whole process will be shepherded along by a steering committee comprised of:
 - APS Staff
 - *Rod Gerig*
 - *John Maclean*
 - *George Srajer*
 - *DM*

 - User Representatives
 - *APSUO Chair or other representative* *Paul Fuoss, MSD/ANL*
 - *APS PUC Chair or other representative* *Denis Keane, DND CAT/NWU*
 - *Life Sciences Council Chair or other representative* *Bob Fischetti, GMCA CAT/ANL*

 - Member(s) of the SAC *Dan Neumann, NCNR/NIST*

Timeline Presented at 2008 Meeting



Instrumentation Open Forum

- On January 9, 2009, we organized an “Instrumentation Open Forum and Discussion” that would help us summarize the beamline requests (both new beamline and renewal proposals) for the SAC that met later on that month.

- The charge to the presenters (APS staff) was the following:
 - Read the relevant Beamline Upgrade Proposals and new beamline proposals/LOIs.
 - Develop a list of instruments that should be developed/enhanced and the technical specs that you believe are relevant to be a world class instrument and/or to tackle the science in the science cases.
 - Identify cases where APS has the expertise to do the work and where strategic partnering will be required to accomplish the tasks.
 - Present your findings at an open forum on Friday, January 9, 2009.
 - Fold in the feedback/comments from the forum into the 5 page report to be submitted to the ALD Office by Wednesday, January 13, 2009.

- Based on output from the Instrumentation Open Forum two talks were presented to the SAC by Denis Keane and DM on *APS Renewal Instrumentation*, along with a presentation on the *Science Drivers for Renewal Instrumentation* by Paul Fuoss.

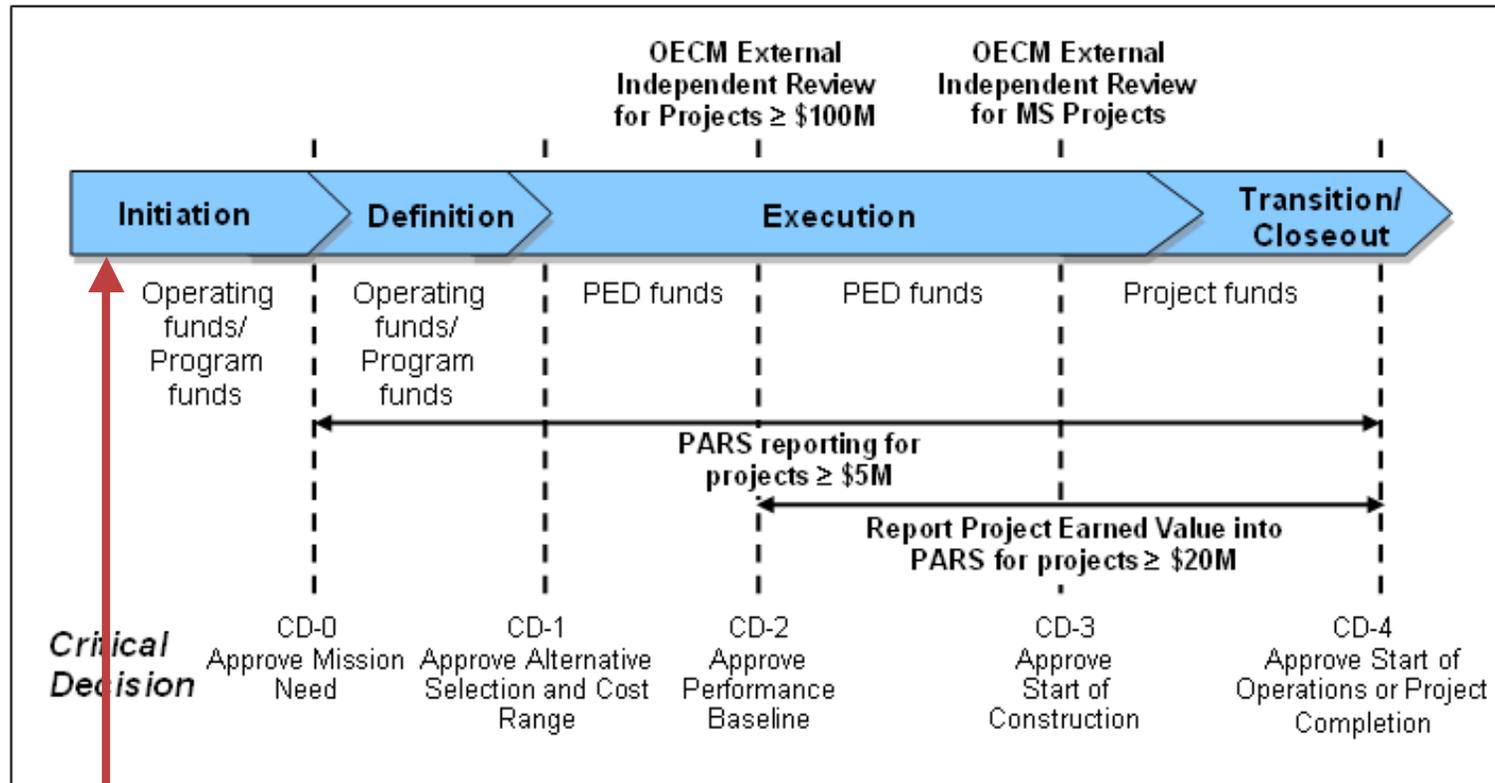
<http://www.aps.anl.gov/Renewal/Instrumentation/SAC/>

APS SAC Meeting in January 2009

- SAC Comments:
 - I'll leave these to the next speaker.....
- SAC Recommendation:
 - APS needs to prepare a more detailed vision for a CD-0 Proposal. To support the two themes identified in the white paper, the APS will need a spectrum of techniques ranging from routine to extraordinary, with enabling technologies to support them.

We are in the process of developing the CD-0 Proposal now!!!

On the Way to Becoming a DOE Project



We are here

- CD-0 Approve Mission Need
- CD-1 Approve Alternative Selection & Cost Range
- CD-2 Approve Performance Baseline
- CD-3 Approve Start of Construction
- CD-4 Approve Start of Ops/Project Completion

Renewal Presentations and Discussions at this Meeting

- 3:30 - 5:00 Monday, May 4
 - ***What's Happened Since the 2008 User Meeting*** - D. Mills
 - ***SAC Member Perspective*** - Glenn Waychunas, APS SAC & LBNL
 - ***Machine Upgrades Associated with the Renewal*** - Rod Gerig
 - ***Outcome of the Oct 2008 Renewal Workshop*** - Paul Fuoss, MSD/ANL
 - ***Vision of the APS Renewal*** - Murray Gibson

- 8:00 - 11:45 Tuesday, May 5
 - Science talks - the foundation for the renewal

- 1:00 - 5:10 Tuesday, May 5
 - Techniques talks - the tools that will enable the science

- 5:10 - 5:40 Tuesday, May 5
 - APS Renewal open discussion

Questions???