

Agenda for the January 2017 Hyak Governance Board Meeting

Physics/Astronomy Tower, Rm. C610, on Wednesday, January 25 (2017) 11.30 am

Present: Darwin Alonso, Pedro Arduino, Frank DiMaio, Ivan Eastin, Brad Greer, Suzanne Hawley, Vikki Meadows, Greg Miller, Patrick Lestrangle, Chance Reschke, martin Savage, Erik Lundberg.

[11.30-11.45]: **News**

1) New HGB members – (Martin Savage)

We have two new board members, replacing outgoing members.

After a number of years of outstanding support for Hyak, Kelli Trosvig moved to a position at the University of Michigan. Aaron Powell is taking over from Kelli Trosvig at UW-IT, and assumes her position on the HGB. We welcome Aaron, who was unable to attend this meeting.

Werner Stuezle stepped down as Divisional Dean of the Physical Sciences in the College of Arts and Science. Werner was a founding member of the HGB, providing continual support for Hyak and a champion of scientific computing at the UW. Suzanne Hawley is the new Divisional Dean, and assumes this position on the HGB.

2) UW-IT Changes (Brad Greer)

Brad outlined a number of substantial changes that have taken place within UW-IT during the last year. In particular, his new position and the consolidation of Research Computing under Erik Lundberg, which includes Cloud Computing and HPC.

3) Phase-II Hyak (aka MOX.hyak, aka NextGen Hyak)(Chance Reschke)

Chance provided a detailed update on the status of Phase II Hyak, which is now known as MOX.hyak and formerly known as NextGen Hyak. MOX.hyak successfully powered up on December 14 2016. Charter members are expected to gain access on Feb 6 2017, while general availability should happen on March 6 2017. There are no obvious ``show stoppers'', which is great. Details of this timeline and of the user demographics can be found in Chance's presentation.

The MOU is the most pressing item of business, with the 2017 charges remaining uncollected from sponsoring units, depending on ratification of the MOU by the HGB and the sponsors. The costs to the sponsors are now easy to calculate, 800/node and 1 rack minimum (\$40K).

It is currently estimated that there are approximately 35 slots available if all verbal commitments are completed. Starting in July 2017, more will open up through decommissioning of old nodes (approximately 200).

4) Presentation to Strategy Board (Martin Savage)

Savage updated the board on his presentation to the UW-IT Strategy Board (can be found on the HGB website). The main outcome was the unanimous support for increasing funding to support Hyak HPC at UW in the form of increased funding lines for HPC engineers supporting code optimization and porting to HPC systems (in support of Stephen Frahlich – who we acknowledge to be significantly overloaded). Ed Lazowska agreed to raise awareness of the need for increased support of more HPC experts at UW related to the Hyak facility.

Ivan Eastin said his College has dedicated 1/3 FTE exclusively for supporting Hyak computing through collaboration in porting and optimization of codes, and also workflow and running in a HPCDE.

5) Update on WSU HPCDE efforts (Chance Reschke)

Chance updated the HGB on developments at WSU, including a quick historical tour. It seems that progress is being made to develop a coherent effort in HPC between WSU and UW, and Hyak may play a central role.

[11.45-12.20]: **Hyak NextGen** (Chance Reschke)

1) Budget and MOU Discussion

There was an extended discussion of the proposed Hyak MOU, and significant clarifications were discussed and concrete examples provided. The intent is to have all of the sponsors sign the MOU within about 10 days and have their funds committed at that time. The board must scrutinize the MOU and approve it before early next week (starting Jan 30 2017). The HGB agreed to iterate offline until

completion, and have a final approved version by Tuesday Jan 31 2017, with Chance the point person.

[12.20-12.30]: **Other** (Martin Savage)

1) Process to identify next Chair of HGB

Savage announced that he felt it was time to select a new Chair for the HGB, and to establish a process for changing Chairs. He desires to have the change over happen before the beginning of the summer 2017. This will be discussed at the next meeting.