

Link to the Planetary Science Workforce Surveys: <https://lasp.colorado.edu/home/mop/resources/planetary-science-workforce-survey/>

The data gathered for the Planetary and Astrobiology Decadal Survey's State of the Profession Writing Group will soon be made available - and linked via the above page.

Question

How can we break the perceived notion that STEM is for men?

We women scientists need to get out and talk science with the public! It would help if TV programs like Big Bye did not boost the stereotype.

Would it be better for female or male students and educators to reach out to female high school students who are interested in STEM to give them the nudge to go to college?

Yes! Either! Any! All of the above!

Are there any studies looking at STEM degree outcomes for students with serious psychiatric health conditions? If not, is this something you may investigate in the future, to see what impact such conditions have on various demographics and their success in STEM degrees?

This I do not know. Please let me know if you come across any references on this topic.

What issues do you face in gathering statistics about non-binary scientists and having them lumped in with women or excluded from the data?

The problem is that NASA's data collection system for personal profiles is so out of date. I know they want to gather information on non-binary gender but are slow to change their system. Some of the more recent workforce surveys done by the AIP are doing a better job on this topic

will this recording be available to rewatch?

I believe so.

Does supporting citizen science, and getting young "arm chair" physicists more involved, help with encouraging high school age students?

Absolutely! Local astronomy clubs, for example, are working hard on such things.

What about community colleges? Most of the instructors in the area are out grads.

Yes, I wish I had brought this up. I personally believe that community colleges have a major role to play. They tend to be more encouraging for students, have smaller (not weed-out) classes and support groups. The teachers are usually less intimidating.

our grads

Is there a relationship between representation (minorities) and retention?

I'm sure there are data on this topic. The usual statistic quoted is that minority populations begin to have healthy involvement within a group when reaching about 20-30%.

As you mentioned, in your mind the biggest issue is with education at the high school level, is there any data available/any studies done tracking stem pathways for high schools in tribal or indigenous communities?

Excellent question. I do not know of such data - but I expect it's out there. I will look. And please contact me if you find anything.

In that case, I have another question:

What can people do to help increase the data available for studies like the ones you're involved in?

All of the information from the workforce surveys, the Decadal Surveys and the NASEM mission diversity study are - or will be - made public.

Screen shot! Thanks for a great presentation!