

Outer Planets R&A Update

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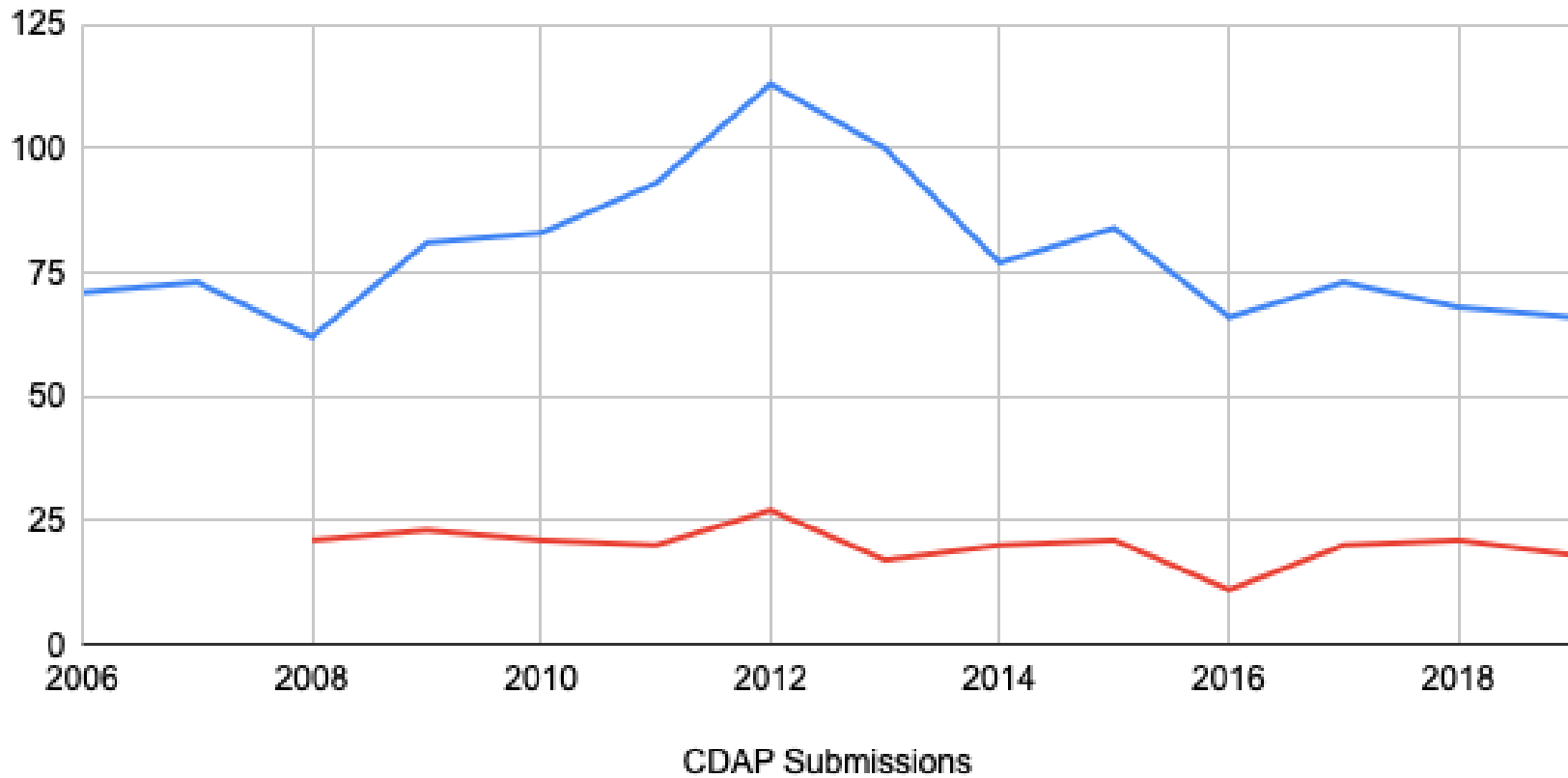
2019 R&A Selections - CDAP

- Cassini Data Analysis Program (CDAP)
 - First year for the call after formal end-of-mission (2019). Second year after last signal reception (September 2017).
 - 18 new investigations selected. 60 proposals received. 30% selection rate.
 - CDAP also funded two proposals for Cassini data archiving submitted through PDART.
 - CDAP will continue as warranted by the number of relevant, scientifically meritorious proposals submitted.
 - See ROSES-2020 for additional details.

2019 R&A Selections - CDAP

CDAP Proposal Pressure vs. Year

— # Step 2 US — Selected (excluding withdrawn, including descope)



“CDAP will continue as warranted by the number of relevant, scientifically meritorious proposals submitted.”

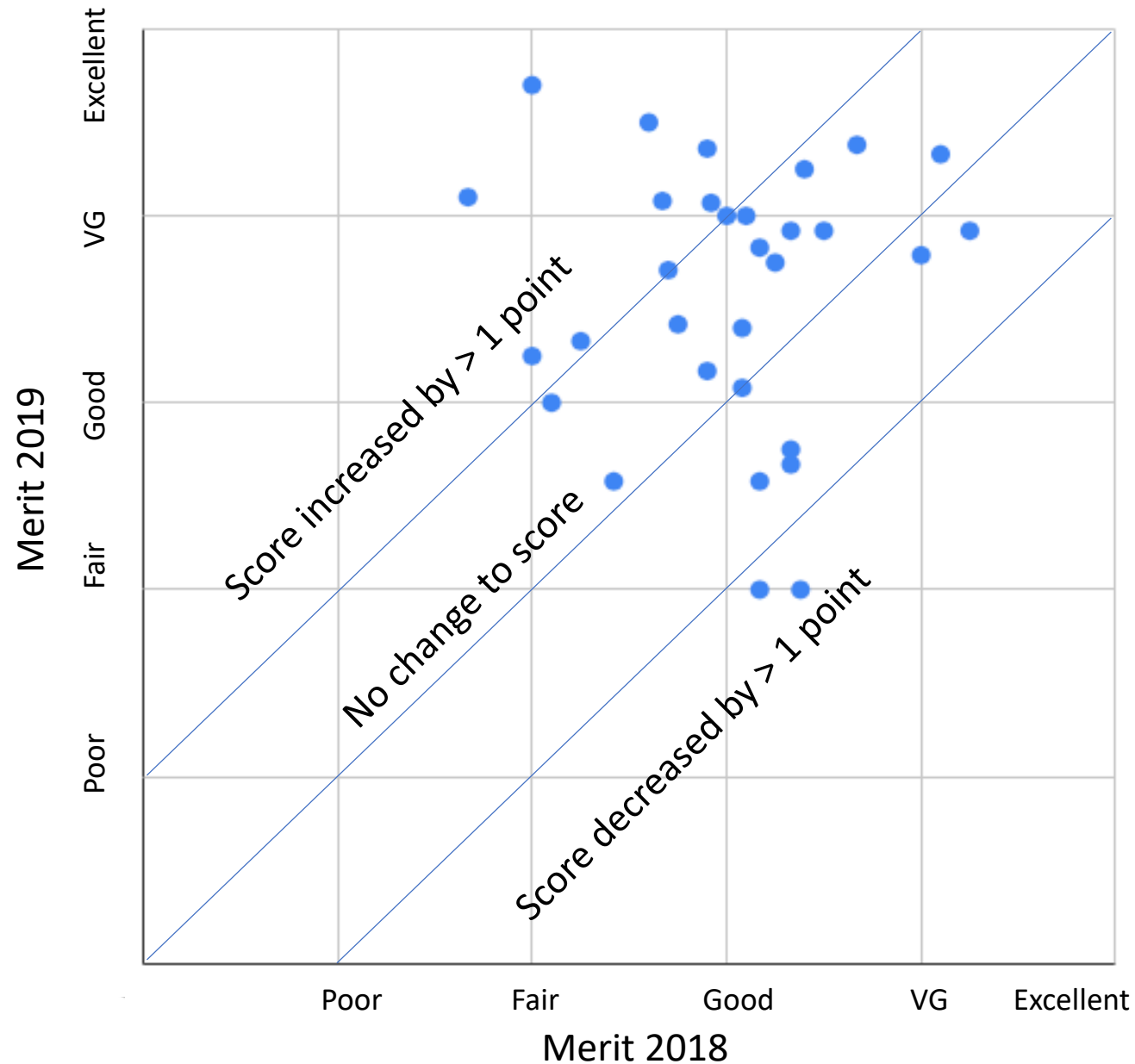
2019 R&A Selections - NFDAP

- New Frontiers Data Analysis Program (NFDAP)
 - This year included comparable number of proposals from Juno and New Horizons.
 - 11 new investigations selected. 27 proposals received. 40% selection rate.
 - NFDAP-2020 will likely include significant new datasets.
 - Juno: Full nominal mission data through Release 12. Backlog of JIRAM and MAG-FGM data through Orbit 24 cleared.
 - New Horizons at Arrokoth. Partial dataset, pending review of data by PDS.
 - OSIRIS-REx. Approach and orbital data from Bennu.
 - All of these depend on timely submission by missions and timely review by PDS.
 - Full details in ROSES-2020, coming soon.

2019 Demographics

- CDAP selections: 28% women PIs.
 56% Early Career (within 10 years of Ph.D.) PIs.
- NFDAP selections: 36% women PIs.
 27% Early Career PIs.
- We do not select proposals based on gender or Early Career (EC) status, but do look at demographics afterwards to identify evidence of possible bias.
- We try hard to balance panel makeup. For these reviews, panelists were 43% women, and panel chairs 38% women. EC > 50%.
- *All* of these numbers are small-sample statistics. Don't read too much into one program's numbers.

CDAP + NFDAP Year-to-Year Scores (Re-submissions)



- Microstudy to investigate perception of inconsistent year-to-year panel scoring.
- Compared re-submissions to CDAP and NFDAP in 2018-2019: **Same PI, same title, same institution.**
- Results:
 - Of the 29 re-submitted proposals, the average change in score was +0.5 points.
 - Re-submissions go preferentially up in score.
 - Of the 29 re-submitted proposals, 10 went up by > 1 point. 2 went down by > 1 point.
 - No evidence for 'panel fatigue.' A negative review one year does not bias panel against proposal in future years.
 - Scores of re-submitted proposals should and do increase, presumably because PIs revise and improve their proposals.
 - Of 89 proposals submitted in total, the mean from 2018 to 2019 changed by +0.1 points.
 - i.e., overall panel score calibration from year-to-year appears consistent. Score histogram is also consistent (not shown).