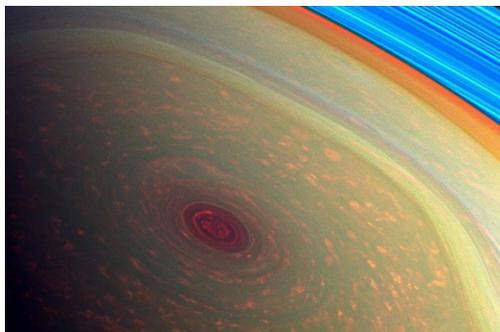


# SCIENCE

National Aeronautics and  
Space Administration



## PLANETARY SCIENCE DIVISION Research & Analysis

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September 26, 2018

# Research & Analysis Program Outline

- Program Updates
- New Programs
- Program Due Dates
- Honorarium

# General R&A Updates

- Facilities Update – New CAN for Facilities on hold:
  - National Academies study, *Sample Analysis Future Investment Strategy*, underway
  - *Ad hoc* committee is working on a response to review, final report expected November
- Four new POs hired in PDS R&A, covering range of expertise: exoplanets, atmospheres, magnetospheres, ionospheres, outer planets, exobiology, planetary protection, technology, terrestrial geology and geophysics, remote sensing
- New PDS Program Scientist identified from new hires
- NASA encourages experts in all fields to commit to supporting our peer-review process either as panelists or external reviewers
  - Volunteer at: <https://science.nasa.gov/researchers/volunteer-review-panels>

## New/Updated R&A Programs

- Scientific Exploration Subsurface Access Mechanism for Europa (SESAME) technology development program element released in ROSES 2018
- Apollo Next Generation Sample Analysis Program (ANGSA) released ROSES 2018
- Lunar Surface Instrument and Technology Payloads (LSITP) released ROSES 2018
- Instrument Concepts for Europa Exploration 2 (ICEE2) released ROSES 2018
- New Early Career Award – Caucus established and working on new framework. Program will be released with ROSES 2019

# ROSES 18 Due Dates

Program Name	Step-1 Due Date	Step-2 Due Date
Juno PSP	03/01/2018	04/26/2018
Exobiology (EXOB)	04/16/2018*	05/24/2018
Exoplanets (XRP)	03/29/2018	05/30/2018
Emerging Worlds (EW)	04/12/2018	06/01/2018
Development & Advance of Lunar Instruments (DALI)	04/03/2018	06/05/2018
Solar System Obs. (SSO)	04/05/2018	06/07/2018
MatISSE	04/18/2018	06/20/2018
Laboratory Analysis of Returned Sample (LARS)	04/26/2018	06/28/2018
Planetary Data Archiving, Restoration, Tools (PDART)	05/10/2018	07/12/2018
Cassini Data Analysis (CDAP)	06/01/2018	08/01/2018
New Frontiers Data Analysis Program (NFDAP)	06/12/2018	08/23/2018
Instrument Concepts for Europa Exploration 2 (ICEE2)	06/22/2018	09/07/2018
Apollo Next Generation Sample Analysis Program (ANGSA)	06/22/2018	08/21/2018
Planetary Major Equipment/Facilities (PMEF)	07/17/2018	09/17/2018
Planetary Sci./Tech. Through Analog Research (PSTAR)	07/25/2018	10/10/2018
Mars Data Analysis (MDAP)	08/23/2018	10/25/2018
Discovery Data Analysis (DDAP)	08/30/2018	11/01/2018
Rosetta Data Analysis Program (RDAP)	08/30/2018	11/01/2018
PICASSO	09/20/2018	11/20/2018
Habitable Worlds (HW)	11/15/2018	01/17/2019
Solar System Workings (SSW)	11/15/2018*	01/31/2019
Lunar Data Analysis (LDAP)	11/29/2018	02/28/2019

# Review Panel Honorarium

- Honorarium, set by NASA, has been the same for 10+ years
  - Up to \$300/day for panel chair (\$325 if local)
  - Up to \$200/day for regular panelists (\$225 if local)
  - Up to \$100/event for external reviewers (this is something that R&A does not practice)
- Paying hourly honoraria for Mission AOs (e.g. Discovery) improved output
- Could increasing the honoraria increase participation? Make participation for soft money scientists less of a financial burden?
- How will increasing spending on review panels impact selections?

The background of the slide is a gradient of purple and white. The top and bottom sections are dark purple with a pattern of overlapping, semi-transparent hexagons. The middle section is a solid white horizontal band.

**Questions?**

# Backup slides

# Internal Scientist Funding Model (ISFM)

- In response to the Competition Report and Lightfoot memo, the Office for the Chief Scientist (OCS) assigned action to develop options for direct funding civil servant scientists (December 2015).
- The goals of ISFM are to
  - Reduce the burden of research competitions for civil servant scientists.
  - Have civil servant scientists write fewer proposals.
  - Apply civil servant scientist (and needed support) funding through the capability model with directed research funding.
  - Establish directed activities at Centers involving groups working toward common goals.
- NASA Mission Support Council approved an implementation plan (December 2016) to
  - Improve efficiency and satisfaction of civil servant scientists workforce.
  - Provide for strategic hiring of scientific staff.
  - Better integrate early career scientists into NASA projects with a reduced burden of writing R&A proposals.
  - Improve recruitment (& retention) of scientists.
  - Ensure quality of research is maintained through reviews by external panels.
  - Guard against perceptions of loss of funding available to external community.
  - Allow time to evaluate program and ensure quality research is maintained.

# Internal Scientist Funding Model (ISFM)

- Annual progress reports from each Directed Work Package (DWP)
- We expect center scientists covered by ISFM DWPs to serve on review panels throughout the year
- We are developing a process and timeline for ISFM
  - On-ramps for new DWP's each year prior to start of PPBE cycle
  - Off-ramps for DWPs that have run their course
- ISFM-funded internal scientists are eligible to apply to PMEF program
- All ISFM-funded projects are required to have and implement data management plans

# ISFM – Metrics, how will we track progress

Centers will track metrics and report progress regularly to HQ points-of-contact

- Reduction in proposals submitted
- Publications, conference presentations, and press releases
- Collaborative sample analyses
- New users of ISFM-developed tools and datasets
- New collaborations (internal and external)
- Service on review panels