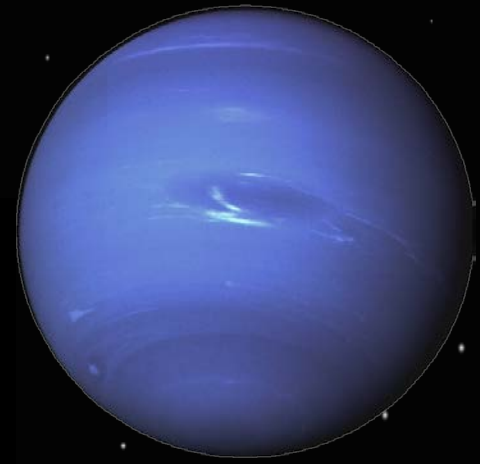
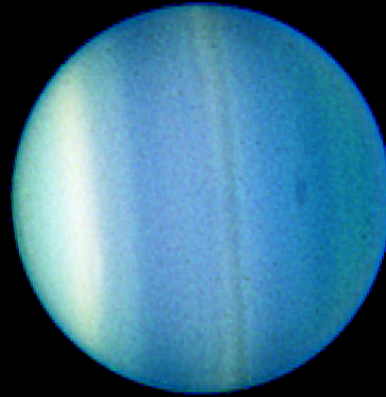
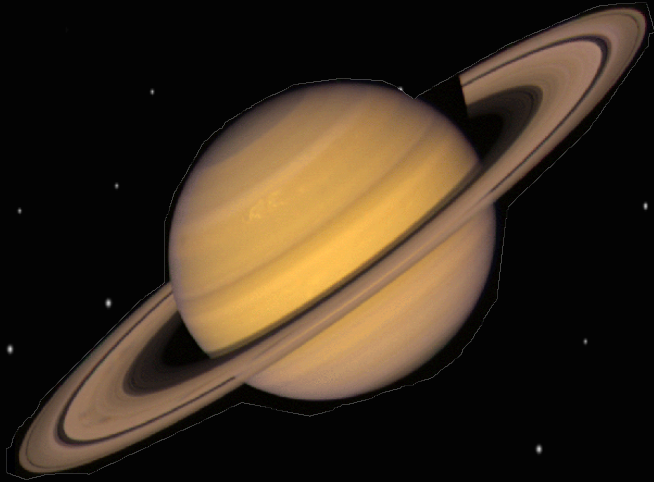


# OPAG



Bethesda, MD

July 2014



# Outer Planets Assessment Group Charter

- OPAG is NASA's *community-based forum* designed to provide science input for planning and prioritizing outer planet exploration activities for the next several decades.
  - Long-term strategy
- Open to all interested scientists, OPAG regularly evaluates outer solar system exploration goals, objectives, investigations and required measurements on the basis of the widest possible community outreach.
  - Near-term strategy

# OPAG activities since last meeting

- Work has proceeded on the new science goals document
  - This is a major topic for this meeting
  - Draft has been compiled, will be posted, and we look forward to your comments
- The committee worked with SBAG to compose a letter of support for the use of HST to search for KBO(s) that could become a target for New Horizons, posted here:

<http://www.lpi.usra.edu/opag/updates.shtml>

# OPAG Concerns

## *New*

- Power for spacecraft headed to the outer solar system

## *Ongoing*

- Restructure of the R&A program
- ~~• Persistent rumours that the Cassini mission will be terminated in 2015 rather than flying the complete Solstice Mission to September 2017~~
- Complete lack of new US-led missions to the outer solar system resulting in > decade gap in exploration of the outer solar system
  - **Go Europa!**

## Day 1

9:00 am Welcome and agenda overview – Candy Hansen

9:15 HQ Report – David Schurr

9:50 Q&A

10:10 Outer planets updates – Curt Niebur

10:40 *Break*

### Status of current missions

11:00 Cassini, senior review outcome – Linda Spilker

11:30 Juno status – Glenn Orton

12:00 *Lunch*

1:15 pm New Horizons update – Alan Stern

1:45 Senior Review Process – Bill Knopf

### The Future

2:05 Technology poster session overview – Pat Beauchamp

2:20 Technology poster session

*Break*

3:30 *Science interlude* – the Shrinking of the Great Red Spot – Amy Simon

4:00 Europa Plume Workshop report – Kurt Retherford

4:30 *Open mike session*, findings from day 1

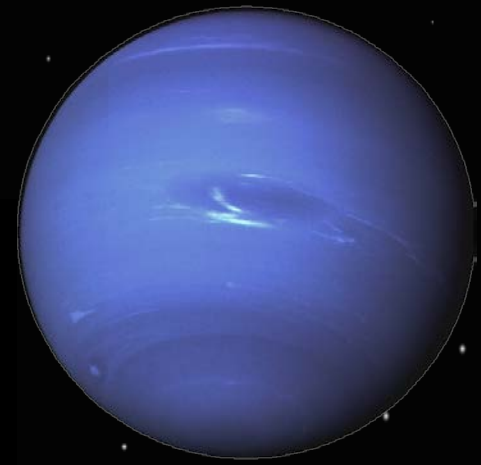
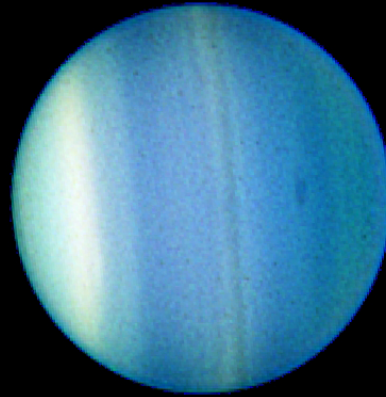
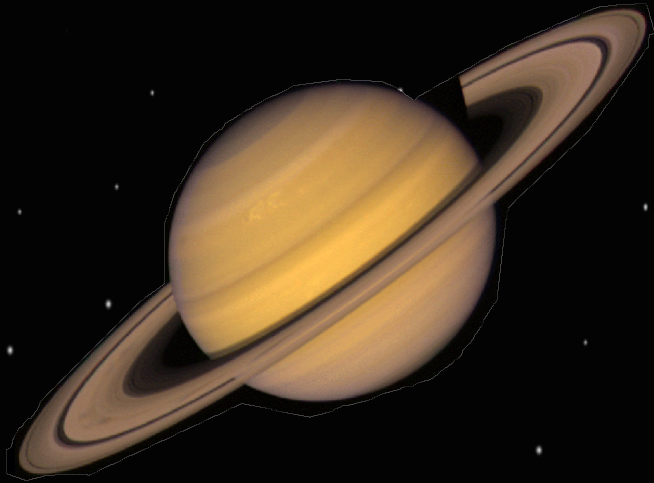
# July OPAG Agenda

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## Day 2

- 9:00 am What's going on in Europe... ice giant missions... Chris Arridge
- 9:30 R&A Solar System Workings Update - Mary Voytek
- 10:00 Uranus studies' report from subcommittee, ice giant workshop preview – Mark Hofstadter
- 10:30 *Break*
- 10:45 Nuclear power for outer planet missions – Ralph McNutt
- 11:15 Review new OPAG science goals doc
- Intro and purpose – Candy Hansen (15 min)
  - 11:30 Giant planets, incl. magnetospheres – Kevin (20+5 min)
  - 11:55 Rings – Linda Spilker (15+5 min)
- 12:15 *Lunch*
- 1:30 Small to medium-sized satellites – Zibi Turtle (15+5 min)
  - 1:50 Enceladus, Triton – Bill McKinnon (15+5 min)
  - 2:10 Io – Julie Rathbun (15+5 min)
  - 2:30 Titan – Jason Barnes (15+5 min)
  - 2:50 Europa – Britney Schmidt (15+5 min)
- 3:10 *Break*
- 3:30 Report on Workshop to consider outer planet exploration program – Candy Hansen
- 4:00 *Open Mike, Findings*

# Outer Solar System Exploration



*Worth the journey*