

COSPAR 2018

Status update to the SSB

Gregg Vane
2 November 2016

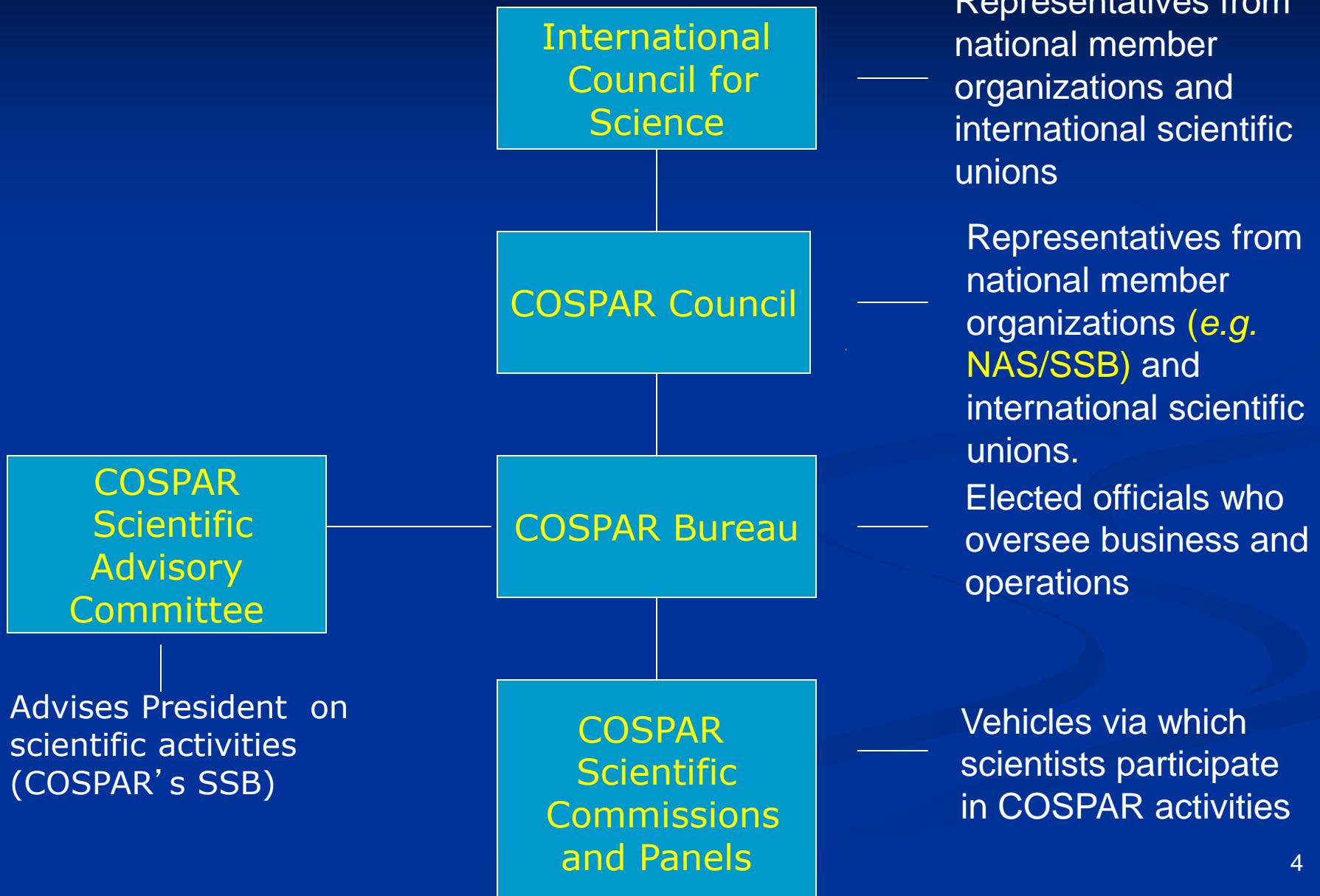
Topics

- *Quick COSPAR background review*
- *Pasadena team, venue, and key planning assumptions*
- *Sponsorship status*
- *“Moving forward from Istanbul” status*

Overview of COSPAR

- **Origin:** Established by the International Council for Science (ICSU) in 1958 as an outgrowth of the International Geophysical Year and the launches of Sputnik 1 and Explorer 1.
- **Goals:** To promote international scientific research in space, with emphasis on the exchange of results, information and opinions, and to provide a forum, open to all scientists, for the discussion of problems that may affect scientific space research.
- **Mechanisms:** COSPAR addresses its goals by sponsoring scientific assemblies, symposia, etc.

COSPAR Governance



COSPAR Scientific Structure

- SC-A—Space Studies of the Earth's Surface, Meteorology and Climate
- SC-B—Space Studies of the Earth-Moon System, Planets, and Small Bodies [*and Exoplanets*]
- SC-C—Space Studies on the Upper Atmospheres of the Earth and Planets including Reference Atmospheres [*and Exoplanets*]
- SC-D—Space Plasmas in the Solar System, Including Magnetosphere
- SC-E—Astrophysics from Space – *sub-commission on Exoplanets*
- SC-F—Life Sciences as Related to Space [*home to Astrobiology*]
- SC-G—Materials Sciences in Space
- SC-H—Fundamental Physics in Space

Plus 11 special purpose panels devoted to, e.g., Capacity Building, Space Weather, Planetary Protection, and Exploration

COSPAR Scientific Assemblies

- 1st—London, U.K., 1958
- 5th—Washington, D.C. USA, 1962
- 14th—Seattle, WA, USA, 1971
- 19th—Philadelphia, PA, USA, 1976
- 29th—Washington, D.C., USA, 1992
- 32nd—Nagoya, Japan, 1998
- 34th—Houston, USA, 2002
- 35th—Paris, France, 2004
- 36th—Beijing, China, 2006
- 37th—Montreal, Canada, 2008
- 38th—Bremen, Germany, 2010
- 39th—Mysore, India, 2012
- 40th—Moscow, Russia, 2-8 August 2014
- 41st—*Istanbul, Turkey, 2016*
- 42nd—Pasadena, CA, USA, 2018



Pasadena Team

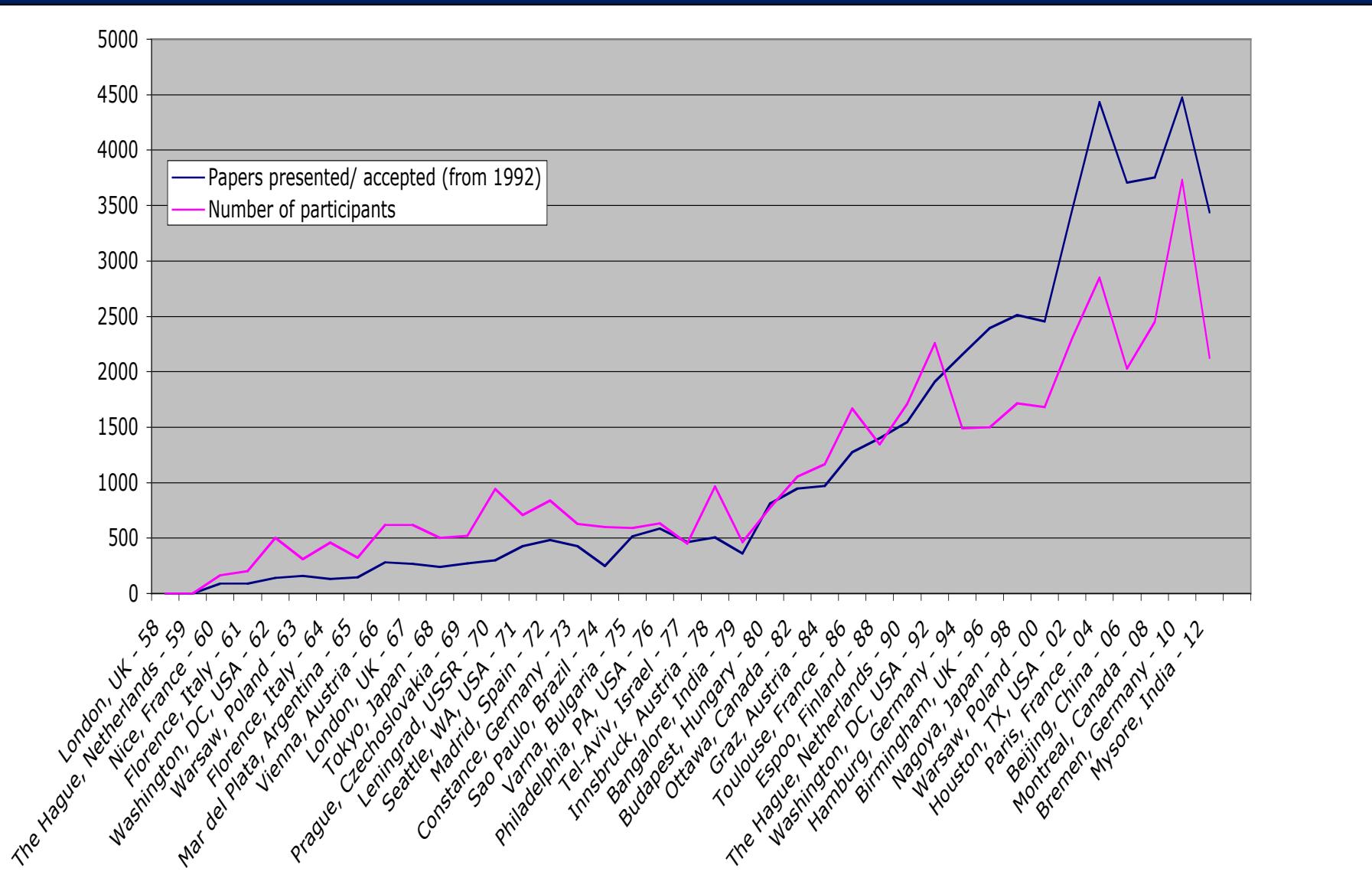
- Local Organizing Committee – LOC
 - Chair: Gregg Vane, JPL
 - Caltech Campus Chair: David Imel, IPAC/Caltech
 - Members: SSB, David Smith; Lockheed Martin, Mary Snitch & Scott Fouse; JPL contracting managers; IPAC staff members; ICS, Ltd. (our PCO) staff
 - Ex-Officio: Rosaly Lopes
- Scientific Program Committee – SPC
 - Chair: Tom Prince, Caltech professor of astrophysics, director of KISS
 - Deputy Chair: Rosaly Lopes, JPL planetary scientist and manager of JPL Planetary Science Section
 - Ex-Officio: Gregg Vane

Pasadena Convention Center



- Proven capability to host 5,000+ attendees
- Our base plan is 3,000
- Our “stretch goal” is 3,500

Participation in COSPAR Assemblies



Sponsorship Status

- 132 Candidate (plus confirmed/committed) sponsors
- 5 Confirmed with sponsorship level agreed upon
- 3 Commitment made at high level; details in negotiation
- ~25 Initial contacts have been made

Support to “Move Forward” activity (1)

- Cancelation of the Istanbul Assembly left some key gaps
 - Filling of Commission and Panel leadership openings
 - Initiation of draft scientific program for 2018 Pasadena Assembly
- We have to date “orchestrated” the nomination of **leadership candidates** in the following areas:
 - SC-A (Earth Science from Space):
 - Commission Chair, nomination supported
 - Sub-commission A2 (Oceans), Chair, nominated
 - SC-B (Planetary Science)
 - Sub-commission B4 (Terrestrial Planets), Chair and three vice-chairs nominated
 - Sub-commission B5 (Outer Solar System), Chair and three vice-chairs nominated
 - SC-E (Astrophysics)
 - Sub-commission E4 (Exoplanets), Chair nominated

Support to “Move Forward” activity (2)

- Initiation of draft **scientific program** for Pasadena Assembly
 - 51 proposals for “scientific events” received by COSPAR to date
 - The Pasadena team motivated 17 of them and more are coming
 - The Pasadena “team” is comprised of scientists from JPL and the Caltech Campus, GSFC, ARC, several US universities, and several international institutions.
 - The primary focus has been on Earth science, planetary science, astrophysics, astrobiology, exoplanets, and on the exploration and planetary protection panels.