

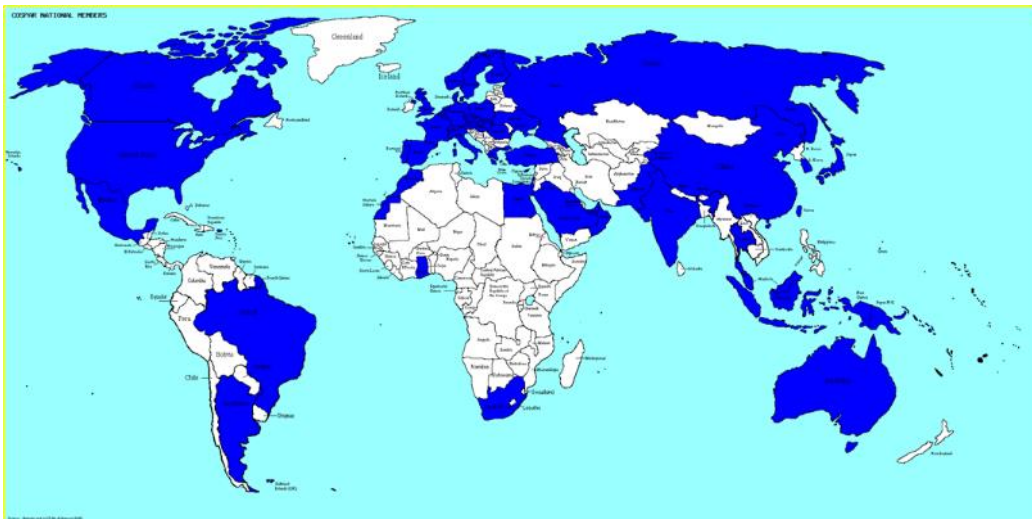


COSPAR UPDATE

Dr Jean-Louis Fellous

**Executive Director
COSPAR Secretariat
Montpellier, France**

ESSC-58, Brussels, 2-3 October 2019



- **46 countries**
 - **New members**
 - Saudi Arabia, UAE, Ethiopia
 - **Recently lost members**
 - Belgium (!!!)
 - Portugal (!!!)
 - Norway (!!!)
- **13 International Scientific Institutions**

THE COSPAR WORLD



SC		Chair
A	Space Studies of the Earth's Surface, Meteorology and Climate	R. Kahn (USA)
B	Space Studies of the Earth-Moon System, Planets, and Small Bodies of the Solar System	O.I. Korablev (Russia)
C	Space Studies of the Upper Atmospheres of the Earth and Planets Including Reference Atmospheres	T. Nakamura (Japan)
D	Space Plasmas in the Solar System, Including Planetary Magnetospheres	K. Scherer (Germany)
E	Research in Astrophysics from Space	P. Ubertini (Italy)
F	Life Sciences as Related to Space	T. Hei (USA)
G	Materials Sciences in Space	M. Avila (Germany)
H	Fundamental Physics in Space	C. Lammerzahl (Germany)

COSPAR SCIENTIFIC COMMISSIONS



PANEL	Chair
Technical Panel on Satellite Dynamics (PSD)	H. Peter (Germany)
Panel on Technical Problems Related to Scientific Ballooning (PSB)	T. Yoshida (Japan)
Panel on Potentially Environmentally Detrimental Activities in Space (PEDAS)	C. Frueh (USA)
Panel on Radiation Belt Environment Modelling (PRBEM)	P. O'Brien (USA)
Panel on Space Weather (PSW)	M. Kuznetsova (USA)
Panel on Planetary Protection (PPP)	A. Coustenis (France)
Panel on Capacity Building (PCB) Sub-panel: Capacity Building Fellowship Program and Alumni	C. Gabriel (Spain) M. Mendez (The Netherlands)
Panel on Education (PE)	M. Boer (France)
Panel on Exploration (PEX)	F. Westall (France)
Panel on Interstellar Research (PIR)	R. McNutt (USA)

Red denotes female Chairperson

COSPAR TECHNICAL PANELS



- **The Bureau is composed of nine members, elected for 4 years (renewable once)**
 - **L. A. Fisk (USA), President (second term)**
 - **Karl-Heinz Glassmeier (Germany) and Mikhail Panasyuk (Russia), Vice-Presidents (first term)**
 - **Catherine Césarsky (France) (second term)**
 - **Manuel Grande (UK)**
 - **Masaki Fujimoto (Japan)**
 - **Charles Kennel (USA)**
 - **Pietro Ubertini (Italy)**
 - **Chi Wang (China)**



BUREAU MEMBERS AS OF 22 JULY 2018



- **Topic: “Small Satellites for Sustainable Science and Development”**
- **Program published on the Symposium Web site cospar2019.org**



COSPAR 4TH SYMPOSIUM 4-8 NOVEMBER 2019, HERZLIYA, ISRAEL



CALL FOR INTENT TO HOST THE 5TH SYMPOSIUM IN 2021 JUST RELEASED

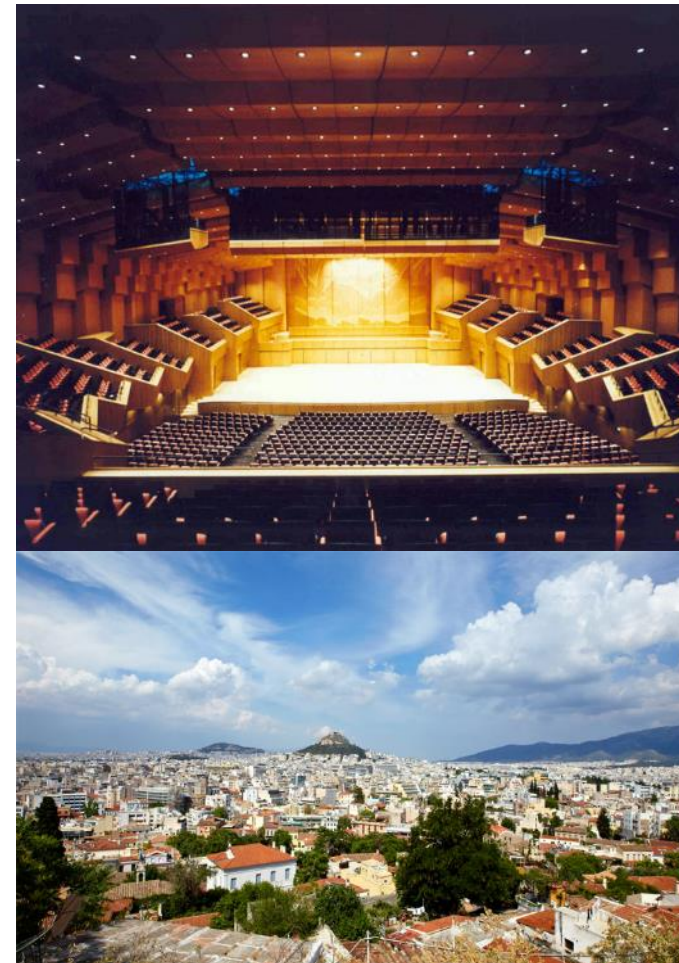
ESSC-58, Brussels, 2-3 October 2019

- **Save the dates: 15-22 August 2020**
- **National Science Week in Australia**
- **Prof. Iver Cairns chairs the Scientific Program Committee**



THE 43RD SCIENTIFIC ASSEMBLY WILL BE HELD IN SYDNEY (AUSTRALIA) IN 2020

- Athens (Greece) will host the 44th COSPAR Assembly in July 2022 for the first time ever



44TH COSPAR ASSEMBLY (2022)



- **So far, one Letter of Intent has been received from South Korea, which proposes to host COSPAR in Busan in 2024**
- **Japan had expressed interest, but finally informed COSPAR that they will not bid**
- **Decision will be made in Sydney**

45TH COSPAR ASSEMBLY (2024)



- **Purpose**
 - To chart the future of COSPAR in the evolving environment
- **Two main issues**
 - Financial sustainability
 - Increasing COSPAR' influence and impact

COSPAR STRATEGIC SEMINAR CARNON, FRANCE, 3-4 DECEMBER 2018



- COSPAR promotes scientific research in space at an international level, with emphasis on the exchange of results, information, and opinions, and provides a forum, open to all scientists.
- COSPAR endeavors to ensure that a vibrant international space research effort can be conducted without impediment from geopolitical tensions or differences.
- COSPAR requires that presentations at its meetings and publications in its journals are the result of scientific research that was conducted with the highest ethical standards.
- COSPAR discloses any financial support that might be perceived as influencing its activities or positions it might advocate.
- COSPAR promotes diversity and gender equality in all of its activities, and does not tolerate any form of discrimination or harassment.
- COSPAR encourages meaningful roles in all activities for younger scientists, who are the future of international space research.

STATEMENT OF PRINCIPLES

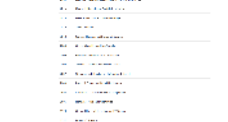
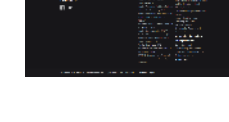


- **Based on discussions and recommendations of the Seminar, a Strategic Action Plan approved by the COSPAR Bureau is aiming at:**
 - **Enhancing the value and attractiveness of Scientific Assemblies**
 - **Streamlining the Scientific Assembly program**
 - **Supporting gender equality, younger Associates – new Panels**
 - **Improving COSPAR Scientific Publications – ASR, LSSR, SRT**
 - **Improving COSPAR Communication – Electronic newsletter, Web site, social media, book series**
 - **Reconstituting the Associated Supporter Program**
 - **Strengthening joint activities of COSPAR and UNOOSA in support of COPUOS**
 - **Improving COSPAR Support to Developing Space Programs**
 - **Launching a possible new bold initiative**

A STRATEGIC ACTION PLAN



- **Scientific Assembly (through the Secretariat, the LOC and the Scientific Program Chair)**
 - Abstract fee is implemented
 - Scientific Program being streamlined
- **Publications (through the Publications Committee)**
 - ASR and LSSR Impact Factors steadily improving
 - SRT being revamped
 - Book series to be initiated
- **Communication (through the Secretariat)**
 - **New web site open soon**
 - Electronic newsletter first issue in November
 - Club of journalists friends of COSPAR
- **Associated Supporters (through the President and Bureau members)**
 - New Industry Partners – Northrop Grumman, Lockheed Martin (but Airbus withdrew)
- **Support to developing space programs**
 - Capacity building program under review by the Panel
- **New Panel on Social Sciences and Humanities – Invitations released**
- **New Panel on Innovative Solutions in preparation**



ONGOING IMPLEMENTATION



Available online at www.sciencedirect.com

ScienceDirect

Advances in Space Research 64 (2019) 1466–1517

**ADVANCES IN
SPACE
RESEARCH**
(a COSPAR publication)
www.elsevier.com/locate/asr



Review

Small satellites for space science A COSPAR scientific roadmap

Robyn M. Millan^{a,*}, Rudolf von Steiger^{b,c,*}, Meir Ariel^d, Sergey Bartalev^e,
Maurice Borgeaud^f, Stefano Campagnola^g, Julie C. Castillo-Rogez^g, René Fléron^h,
Volker Gassⁱ, Anna Gregorio^{j,k,l}, David M. Klumpar^m, Bhavya Lalⁿ,
Malcolm Macdonald^o, Jong Uk Park^p, V. Sambasiva Rao^q, Klaus Schilling^r,
Graeme Stephens^g, Alan M. Title^s, Ji Wu^t

COSPAR SMALL SATELLITES ROADMAP JUST PUBLISHED “OPEN ACCESS”

The International Planetary Protection Handbook



Planetary protection
of Outer Solar System

THE INTERNATIONAL PLANETARY PROTECTION HANDBOOK

by

Gerhard Kminek (ESA, Noordwijk, The Netherlands), Jean-Louis Fellous (COSPAR, France), Petra Rettberg (DLR, Germany), Christine Moissl-Eichinger (Medical Univ. Graz, Austria), Mark A. Sephton and Samuel H. Royle (Imperial College London, UK), J. Andy Spry (SETI Institute, CA, USA), Hajime Yano (ISAS/JAXA, Japan), Toshihiro Chujo (formerly JAXA, now Tokyo Institute of Technology, Japan), Diana B. Margheritis (Thales Alenia Space, Italy), John R. Brucato (INAF, Italy), and Alissa J. Haddaji (formerly COSPAR, now Harvard University, MA, USA)



THE INTERNATIONAL PLANETARY PROTECTION HANDBOOK

Soon to be released as an
“Open Access” Special Issue
of Space Research Today

DOI: 10.1016/j.srt.2019.09.001



AND NOW, LET ME INTRODUCE TO YOU,
THE ONE AND ONLY...



... NEW COSPAR EXECUTIVE DIRECTOR AS OF JANUARY 2, 2020

ESSC-58, Brussels, 2-3 October 2019



- I have served in the ESF/ESSC since at least 2002 in different capacities
 - As a scientist (including chairing the Earth Sciences Panel and representing the ESSC in the ESA/ESAC)
 - As an *ex officio* member representing COSPAR
- My appreciation of the quality and importance of this Committee can be directly deduced from my assiduity (not only to the group dinners!)
- Long live to the ESSC!

**IT'S TIME FOR ME TO SAY
"GOOD BYE AND THANK YOU!"**