



# COSPAR update

**Prof. Dr. Karl-Heinz Glassmeier**

**COSPAR Bureau member, TU Braunschweig, Germany**

**Dr. Jean-Louis Fellous**

**Executive Director, COSPAR Secretariat, France**



# Bureau renewal expected in 2018



**Professor Lennard A. Fisk** is a renowned scientist in the field of solar and heliospheric physics and a former NASA Associate Administrator and Chief Scientist

- The Bureau is composed of nine members, elected for 4 years (renewable once)
  - *L. A. Fisk (USA), President*
  - *Ji Wu (China), V.-Pres.*
  - *A. Jayaraman (India), V.-Pres.*
  - *I.S. Batista (Brazil)*
  - *C. Césarsky (France)*
  - *K.H. Glassmeier (Germany)*
  - *M. Panasyuk (Russia)*
  - *Sho Sasaki (Japan)*
  - *J.-P. St-Maurice (Canada)*
- Blue denotes non-renewable members in 2018



# European situation re: COSPAR membership

- **21 European countries members of COSPAR (out of 43)**
- **Comparison with ESA's membership**
  - *Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland and the United Kingdom.*
  - *Bulgaria, Cyprus, Malta, Latvia, Lithuania, Slovakia and Slovenia have cooperation agreements with ESA.*
  - *Canada takes part in some projects under a Cooperation agreement.*
- **Issues with several European members of COSPAR**
  - *Portugal and Belgium are suspended*
  - *Cyprus new member*



# 42<sup>nd</sup> Scientific Assembly

- **The 42<sup>nd</sup> COSPAR Scientific Assembly will be held in Pasadena, California, USA, 14-22 July 2018**
  - *The Scientific Program Committee is chaired by Dr. Thomas Prince (Caltech)*
  - *Preparatory work is well underway for this Assembly which is likely to set a new record in COSPAR Assembly attendance*







# Attending the Pasadena Assembly



- **Assembly Venue:**  
<http://cospar2018.org/>
  - *Registration and housing opened on 1<sup>st</sup> September*
  - *Early registration deadline 27 April 2018*
  - *Potential visa issues...*
- **Assembly Program:**  
<https://www.cospar-assembly.org/>
  - *Abstract submission opened on 19 August*
  - *Abstract submission deadline 9 February*



# The 43<sup>rd</sup> Scientific Assembly will be held in Sydney (Australia) in 2020



- The selected Australian bid was competing with Prague, Shanghai and Lausanne
- The 86<sup>th</sup> Bureau meeting opted in March for the period **15-23 August 2020**, which coincides with the National Science Week in Australia



# 44<sup>th</sup> COSPAR Assembly (2022)

- The selection of the 44<sup>th</sup> Assembly site will occur in Pasadena
  - *With 2018 Assembly in the Americas (USA) and 2020 Assembly in Asia (Australia), it is likely to be held in Europe*
- Indication or letters of intent to bid have been received from the Czech Republic (Prague), Switzerland (Lausanne), Poland (Warsaw), Greece (Athens). An Italian bid (Rome?) is still to be confirmed.
- Formal proposals must reach the COSPAR Secretariat **one month in advance of the Bureau meeting.**
  - *Deadline for 2022 Assembly bids ~15 February 2018*



# Publications

- **Advances in Space Research**
  - *The 2017 Impact Factor is 1.409, up from 1.238 in 2013 and at its highest ever*
- **Life Sciences in Space Research**
  - *First appeared in April 2014*
  - *Already referenced in PubMed*
  - *2015/16 Journal Impact: 1.97*
- **Space Research Today**
  - *Freely distributed to 10,000 COSPAR Associates*

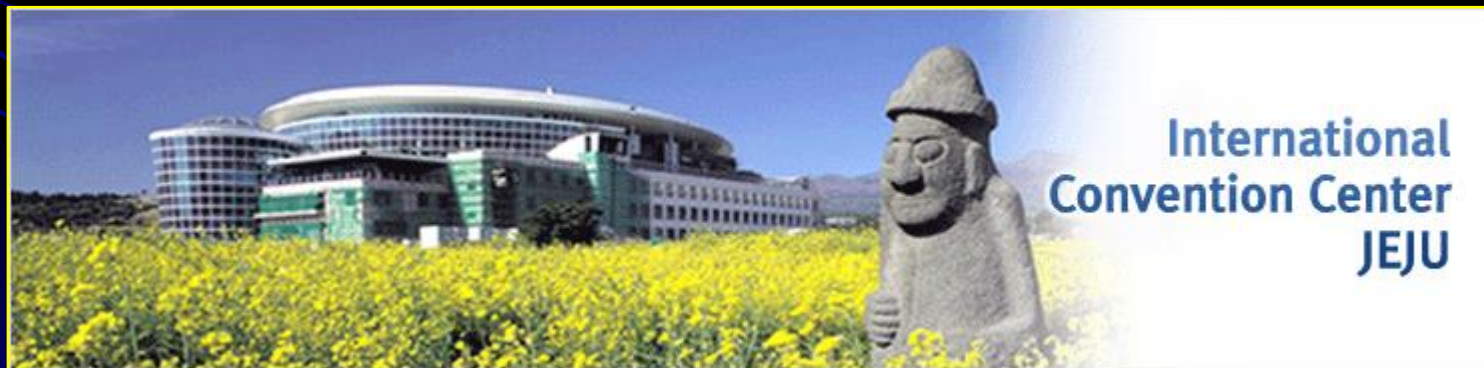






# COSPAR 3<sup>rd</sup> Symposium 2017

- **South Korea through KASI hosted the 3<sup>rd</sup> COSPAR Symposium**
  - *It was supported by the National Committee, the Ministry of Science, ICT and Future Planning and the Governor of the Jeju Special Province*
- **The theme: “Small Satellites for Space Research” attracted 370 abstract proposals, out of which 347 were accepted**
  - *A CB workshop on “Conceptual design for Nano and Micro Satellite Missions” was held in Daejeon in the two preceding weeks*
- **The venue was the ICC in Jeju Island, 18-22 September 2017**





# Symposium program overview

- **Keynote/Plenary/Interdisciplinary talks were given by leaders and visionaries in the field of small satellites**
  - *S. Nakasuka (Japan), L. Paxton (USA), S. Clarke (USA), F. Fiore (Italy), L. Li (China), M. Daly (Canada), D. Klumpar (USA), M.K. Wook (Korea), A. Freeman (USA), V. Angelopoulos (USA), A. Petrukovich (Russia), & M. Fujimoto (Japan)*
- **There was a Space Agency Roundtable on “Small satellites as a vehicle for international cooperation”**
  - *S. Tsuneta (JAXA/ISAS, Japan), J.-Y. Le Gall (CNES, France), R. Boyce (USW, Australia), A. Petrukovich (Space Research Institute, Russia), T. Spohn (DLR, Germany), A. Giménez (ESA), Wu Ji (NSSC, China), and T. Zurbuchen (NASA).*





# Symposium program overview (cont'd)

- Four parallel sessions covered the many scientific and technical topics proposed by the Scientific Committee
- The Symposium hosted 220 oral presentations and 127 posters
- An exhibition was held at the Symposium venue
- Social events included a welcome reception (17 September), an opening ceremony (18 September), an excursion and gala dinner (21 September), and a closing ceremony (22 September)







# Scientific roadmaps initiated in 2013

- **Roadmap on “Space Weather”**
  - *Understanding space weather to shield society: A global road map for 2015–2025 commissioned by COSPAR and ILWS*
  - *Published in ASR (55, n°12, 15 June 2015)*
- **Roadmap on “Integrated Earth System Science”**
  - *Observation and Integrated Earth-system Science: a Roadmap for 2016 - 2025*
  - *Published in ASR (57, n°10, 15 May 2016)*





# New scientific roadmaps

- **Two new roadmaps are underway:**
  - ***“Small Satellites for Space Sciences (4S)” (including Earth sciences)***
    - The Study Group is led by Rudolf von Steiger (ISSI) and Robyn Millan (Dartmouth College) and include Maurice Borgeaud (ESA/ESRIN) and many other experts.
    - It held its first meeting in Bern on 23-24 May and interacted with the Symposium participants in South Korea.
    - A second meeting will be held at ISSI in March 2018. The final report should be presented in Pasadena at the 42<sup>nd</sup> Assembly and released shortly thereafter.
  - ***“Exoplanets”, as a multidisciplinary topic involving a wide variety of scientific disciplines***
    - The Study Group led is still under formation through Pietro Ubertini.



# COSPAR-UNOOSA Collaboration

- **COSPAR relationship with UNOOSA has been subject to “highs and lows” in the past few years**
  - *The new UNOOSA Director Simonetta Di Pippo expressed interest in reviving and strengthening this relationship, based on her appreciation of the importance of science and research with respect to the Peaceful Uses of Outer Space*
- **A two-day COSPAR-OOSA workshop was held on 22-23 May in Vienna in preparation of UNISPACE+50**
  - *Three splinter groups of COSPAR experts and OOSA staff looked at the most relevant UNISPACE+50 Thematic Priorities from the perspective of space research*
  - *The COSPAR President presented the outcomes to the 60<sup>th</sup> session of the COPUOS on 7 June in Vienna. Particular emphasis was put on planetary protection, space weather, global health and resilient societies*



# The PPOSS (Planetary Protection of Outer Solar System) Project

- **The ESF/ESSC is the Coordinator of a 3-year project named PPOSS. The PPOSS partnership includes DLR (Germany), COSPAR – through the PPP Chair (G. Kminek, ESA), the Executive Director, an intern, and a few experts. COSPAR leads two WPs – Eurospace, INAF (Italy), Space Tech Ltd. (Ireland) and Imperial College (UK).**
- **Associated (non-funded) partners include CAS and CAST (China), IKI (Russia), JAXA (Japan) and NAS/SSB (USA).**
- **1<sup>st</sup> PPOSS Project Review held in Paris on 31 January 2017**
  - *Web site developed ([pposs.org](http://pposs.org))*
  - *Interviews with industry*
  - *2 workshops held in 2016 (Noordwijk, Köln), 1 in 2017 (Florence)*
  - *PP “Handbook” available (still requiring refinement)*
  - *1 tutorial held in mid-May in Japan*
  - *European Engineering Roadmap kick-off meeting held in Paris, October 2017*
- **Next steps: Science requirements, 2<sup>nd</sup> PPOSS Project Review in Paris (15 Feb), 2<sup>nd</sup> tutorial (China), 3<sup>rd</sup> tutorial (Pasadena?)**



# New COSPAR Office in Montpellier

- Since September 1<sup>st</sup>, the COSPAR Secretariat is relocated in Montpellier, in the premises of the “Maison de la Télédétection”, on a University scientific campus
  - *COSPAR Headquarters remains in Paris, in the CNES building, where regular meetings in March (Assembly and Symposium Program Committees, CSAC, Bureau) will still be held*
  - *New activities will develop in Montpellier, taking advantage of the active scientific environment (remote sensing, small satellites, astronomy, planetary studies, etc.)*
- COSPAR will be delighted to host an ESSC meeting in Montpellier at any future opportunity







# Thank you for your attention!

- Visit the COSPAR Web site

<http://cosparhq.cnes.fr>

COMMITTEE ON SPACE RESEARCH (COSPAR)  
Expanding the knowledge frontier of space for the benefit of humankind

About Scientific Structure Events Publications Awards Associated Supporters Young Scientists Associates Links

## 1st COSPAR Symposium

Bangkok, Thailand, site of the first COSPAR Symposium,  
11 - 15 November 2015

[Read more](#)

### HIGHLIGHTS

**COSPAR 2014**  
The 40th COSPAR Scientific Assembly will be held in Moscow from 2 - 10 August 2014. For a look at the preliminary scientific program please visit <http://www.cospar-assembly.org>.

**10TH NORDIC HF CONFERENCE**  
Of interest to members of Scientific Commissions C, E, F and G: the 10th Nordic HF Conference (NH'13) will take place on 12-14 August 2013, on Färö in the Baltic Sea. It will cover HF and include VLF/LF and long-haul VHF/LFHF. The dates have been chosen so as to allow the BLOS and HFIA meetings to be held in Stockholm immediately afterwards on Thursday and Friday. For further information, see <http://www.nordic-hf.org>.

**COSPAR 2016**  
Congratulations to Istanbul, the host for COSPAR 2016! Exact dates to be determined.

### CALENDAR

MARCH						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

**COSPAR Associates**  
[Update your contact information](#)

All rights reserved - copyright COSPAR © 2012 - [Contact](#) | [Legal](#)