



**International
Academy of
Astronautics**

IAA Commission 5 Space Policies Law & Economics

Scientific Activities Committee Report

October 2021 Autumn meeting



Attendance (online meeting)

Athena Coustenis, Danielle Wood, Didier Alary, Fabrice Dennemont, Geir Hovmork, Isabelle Duvaux-Bechon, Jean-Michel Contant, Ken Davidian, Lansard Erick, Les Tennen, Lesley Jane Smith, Mariella Graziano, Marius-Ioan Piso, Martha Mejia-Kaiser, Natalia Archinard, Pelszus Regina, Rao Fu, Bernhard Schmidt-Tedd, Scott Pace, Sergio Camacho Lara, Setsuko Aoki, Shawn HE, Virgiliu Pop, Walter Peeters, Yukihiro Kitazawa.



- **Completed / Current Studies**

- **Study Group 5.10** Chairs: *Williamson/Smith LJ*
Orbital Debris Removal: Policy, Legal, Political and Economic
⇒ *To be printed – action on DLR (could support) and IAA Study Centre*
- **Study Group 5.16** Chairs: *Prof. Liu Jizhong*
Study on International Policy and Legal Regimes for Space Natural Resources Exploitation and Utilization (SREU)
⇒ *New outline Table of Contents was issued in March and online meeting with identified experts was planned in late October / November*



- **Completed / Current Studies (*continued*)**

- **Study Group 5.17 – Chair: *Bonnal/McKnight***
Space Debris Situation Report

- ⇒ *Work was restarted after the COVID*

- ⇒ *Riccardo Bevilacqua is in charge and has started organizing the action*

- ⇒ *Several positive answers have been received, but not yet enough*

- ⇒ *Ongoing – working to produce rapidly an updated version*

- **Study Group 5.18 - Chair or representative: *Denis / Jorgenson***
Space and disasters management: new systems, new usages and opportunities for international cooperation

- ⇒ *Nothing received*



- **Completed / Current Studies (*continued*)**

- **Study Group 5.19 : – *Chair: Wood***

- Opportunities for National Governments to Foster Space Traffic Management using the Space Sustainability Rating**

- ⇒ *Study approved in March, working well*

- ⇒ *Finalisation of the participants on-going*

- ⇒ *Wish to provide a system for industry to highlight behaviours and recommendations to governments*

- ⇒ *Will integrate work from various organisations*

- ⇒ *Presented at various meetings in IAC*

- ⇒ *Several indication of interest from members and identification of studies / activities to take into account*



- **New Studies Proposals**

- **Studies on STM** – LJ Smith proposed to make a list of what exists
- **Ecotax to fund space debris removal** – *D Alary*
 - ⇒ *Analysing legal / economics / technical grounds of such tax that could have to be paid when registering a space object*
 - ⇒ *IAA could be in a position to set a reference*
 - ⇒ *proposes to work on the scope of such study*



Current IAA Conferences

- **3rd IAA Conference on Space Situational Awareness**

Program Committee Chair or representative: Riccardo Bevilacqua

will be held in Madrid (with GMV) – 4-6 April 2022 - www.icssa2022.com

- **11th IAA Conference on Space Systems as Critical Infrastructures**

Program Committee Chair: Marius-Ioan Piso

10th conference held in Murighiol, Romania (hybrid mode) 5-6 August 2021

Conference will be held in Romania, in August 2022 (or hybrid)

- **(3rd) IAA Private Human Access to Space (PHAS)**

Program Committee Chairs : Chern Jeng-Shing / K. Davidian (proposed)

First 2 in 2008 and 2011 – continuation still under consideration

- **STM 2022 Conference (IAA STM Committee)**

Austin, USA – 2-3 March 2022



IAA Symposia at IAC 2021, Dubai, UAE

- **34th IAA symposium on space policy regulation and economics (IAC E3)**
Program Committee Chairs or representatives: B. Schmidt-Tedd / J. Masson
- **19th IAA Space Debris Symposium (IAC A6)**
Chair : C. Bonnal
- **22nd UN/IAA workshop on small satellite at the service of developing countries, (IAC B4.1)**
Chairs: S. Mostert / N. Ricard – alternate Chair: D. Wood
- **35th IAA/IISL scientific legal round table: Conversations about Commercialisation (IAC E7.6)**
Program Committee Chairs : M. Ferrazzani / P. Martinez / A. de Silva Curiel



Report from the IAA Permanent Committees

- **IAA Permanent Committee on Space Debris**
Chair: C. Bonnal, Co-Chair: H. Klinkrad, Liou Jer-Chyi
Committee meeting held on 24th October – always great interest on the topic – report available online