

# UNITED NATIONS

2014 IISL-ECSL SPACE LAW SYMPOSIUM  
HELD ON THE OCCASION OF THE 53rd SESSION  
OF THE LEGAL SUBCOMMITTEE OF UNCOPUOS

VIENNA, AUSTRIA

REGULATORY NEEDS FOR VERY SMALL  
SATELLITES  
(MARCH 2014)

# **Program of the Symposium**

**International Institute of Space Law (IISL) and  
European Centre for Space Law (ECSL)**

**SPACE LAW SYMPOSIUM 2014**

**Regulatory needs for very small satellites**

Monday, 24 March 2014  
15.00 – 18.00h

Board Room D  
Building C  
Vienna International Centre

On the occasion of the 53rd Session of the Legal Subcommittee of the United  
Nations Committee on the Peaceful Uses of Outer Space



## Introduction

Recent years have seen a marked/rapid increase of the number of very small satellites with a weight of less than 50 kilograms. Technological miniaturization is progressing steadily and allows for ever smaller sized satellite missions. While such missions still cannot (yet?) compete in terms of capability and endurance with their larger counterparts, they already provide valuable instruments for education, experimentation, validation as well as rudimentary services. However, though small and rather short-lived, these missions face the same regulatory requirements as 'fully fledged' space missions. They have to comply with international space law, be authorized and registered, fulfill the requirements of orderly frequency management and last but not least, respect space debris mitigation guidelines. This Symposium will cover all these aspects in order to raise awareness of the need to carefully apply the regulatory framework to such very small missions, just like any other space mission, in order to contribute to sustainable space activities.

Regulatory needs for very small satellites will continue to be discussed at a workshop organized by the Law Faculty of the University of Vienna on Saturday, 29 March 2014, to which all delegates will receive a separate invitation.

*Coordination Committee of the Symposium:*  
*Corinne Jorgenson (Executive Secretary, IISL)*  
*P.J. Blount (Assistant Executive Secretary, IISL)*  
*Joanne Gabrynowicz (Board of Directors, IISL)*  
*Sergio Marchisio (President, ECSL)*

## **Programme**

### *Welcome by Chair LSC and Presidents IISL and ECSL*

Kai-Uwe Schrogl, Tanja Masson-Zwaan, Sergio Marchisio

### *Status and overview on very small satellites: Definition, purposes, and projects*

Abe Bonnema, Innovative Solutions in Space (ISIS) Delft, The Netherlands

### *Small satellites for scientific-technical development and capacity-building*

Lulu Makapela, Council for Scientific and Industrial Research (CSIR), South Africa

### *International space law and the authorization on the national level*

Philippe Achilleas, University of Paris XI Sud, France

### *Frequency management on the international and at the national level*

Yvon Henri/Attila Matas, International Telecommunication Union (ITU)

### *Requirements for debris mitigation*

Christophe Bonnal, representing the Inter-Agency Debris Coordination Committee (IADC)

### *A best practice case study*

Otto Koudelka, TU Graz, Austria

### *Concluding Remarks*

Kai-Uwe Schrogl, Chair of the Legal Subcommittee of COPUOS

Tanja Masson-Zwaan, President IISL

Sergio Marchisio, President ECSL

