

61st IISL COLLOQUIUM ON THE LAW OF OUTER SPACE (E7)
Integrated space applications, EO telecoms navigation (3)

Author: Mrs. Mihoko Shintani
Japan Aerospace Exploration Agency (JAXA), Japan, Mihoko_Shintani@tmi.gr.jp

INTELLECTUAL PROPERTIES OF THE SATELLITE IMAGES ANALYZED BY A.I.

Abstract

1. The main question of my research is who will possess the intellectual property rights of remote sensing images, obtained from observation satellites, analyzed through big data analysis conducted by A.I.

2. In consideration of this theme, I am aiming to organize the controversial points which will potentially arise from the sale of satellite data as follows:

@Ownership and/or Intellectual Property Rights attributed to raw data; @Copyright of the results of A.I. data analysis; and @Rights (Copyright and Patent rights) of the firms creating the algorithms.

3. To further examine this issue, I will start off by discussing two topics from international space law aspects:

1) Studying the points of contention regarding the attribution of copyright for satellite data extracted from Observation Satellites; and 2) “The denial of preferential access right for the remote sensing data of surveyee’s countries” that was provided in the 1986 Remote Sensing Principles.

4. In addition to the above, I aim to raise points on the problematic areas of the new era for the space industry, as well as notable points for business players, by superimposing the study of actual data analytic methodology with the outcome of the discussions of the relationships of the rights of A.I. deliverables. The highlight of this paper is that integrating space law issue (rights of remote sensing images) with intellectual property law issue (traditional ones and rights of A.I. in discussion).

5. In the conclusion, I will point out not only opinions from a legislative perspective, but also the critical importance of strategic contractual coverage of these issues.