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Legal and policy aspects of space big data: legal implications of the use of large amounts of space data - regulatory solutions and policy recommendations

Stefoudi, D.

Citation

Stefoudi, D. (2024, May 29). *Legal and policy aspects of space big data: legal implications of the use of large amounts of space data - regulatory solutions and policy recommendations*.

Meijers-reeks. Retrieved from

<https://hdl.handle.net/1887/3754919>

Version: Publisher's Version

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Note: To cite this publication please use the final published version (if applicable).

Propositions relating to the dissertation

LEGAL AND POLICY ASPECTS OF SPACE BIG DATA

*Legal implications of the use of large amounts of space data –
Regulatory solutions and policy recommendations*

by Dimitra Stefoudi

1. Space law should be applied as part of international law, rather than as a unique field of international law that only governs activities that take place in outer space.
2. The majority of the provisions found in the international space treaties are not relevant to space applications.
3. The applications of space technology, also referred to as the downstream space sector, are more accessible to governmental and non-governmental entities, compared to the launching of space objects and space exploration, which are part of the upstream space sector and require significant technological and financial investment.
4. Sovereign privacy, as in the right of States to determine the collection and distribution of information that specifically relate to issues under their jurisdiction, is a legitimate concern under international law.
5. Cybersecurity is crucial to maintain a consistent flow of reliable space big data.
6. Interdisciplinary research and teaching can help scholars and practitioners to overcome legal challenges in the application of the provisions of the international space treaties.
7. Space big data are not defined solely by the volume, variety, veracity, and velocity of data, but by the uses they can enable, as compared to conventional space data.
8. The supply of Earth observation (EO) data is not a sustainable business application of space technology when it is not directly paired with the development of an EO value-added solution.

9. The stakeholders who can benefit from the use of space data and space big data are active in fields of economic and social activity that are not connected to the space sector. Therefore, efforts to increase the uptake of space data and space big data should incorporate the views of these stakeholders, along with the input of the space stakeholders that supply the data.
10. The pursuit of a PhD should be mainly driven by a passion for the subject, rather than the desire to conduct academic research.
11. The answer to the question of life, the universe, and everything is data.
12. It is frustrating to be the only woman in the room, especially in a professional setting.