

Legal aspects of Active Debris Removal (ADR): regulation of ADR under international space law and the way forward for legal development Tian, Z.

Citation

Tian, Z. (2024, September 5). Legal aspects of Active Debris Removal (ADR): regulation of ADR under international space law and the way forward for legal development. Meijers-reeks. Retrieved from https://hdl.handle.net/1887/4082461

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Legal Aspects of Active Debris Removal (ADR)

Regulation of ADR under International Space Law and the Way Forward for Legal Development

Legal Aspects of Active Debris Removal (ADR)

Regulation of ADR under International Space Law and the Way Forward for Legal Development

PROEFSCHRIFT

ter verkrijging van de graad van doctor aan de Universiteit Leiden, op gezag van rector magnificus prof.dr.ir. H. Bijl, volgens besluit van het college voor promoties te verdedigen op donderdag 5 september 2024 klokke 10.00 uur

door

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geboren te Guangzhou, China

in 1991

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ISBN: 978-94-6473-541-3

Lay-out: AlphaZet prepress, Bodegraven Printwerk: Ipskamp Printing

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Aknowledgements

My appreciation goes first to my supervisors, who have very kindly and patiently instructed, guided and supported me to accomplish my PhD thesis. Thank you, Professor Steven Truxal, for arranging the regular meetings with me, leading me to head towards the finish line, and telling me that your door is always open if I have any needs in doing my research. Thank you, Professor Daniëlla Dam-de Jong, for mentoring me closely to navigate through the complex system of public international law, especially international environmental law. And thank you, Assistant Professor Tanja Masson-Zwaan, for introducing me to the fantastic world of space law, enlightening me with your wisdom and expertise in this fascinating field, and reviewing deeply my draft manuscript and providing me with your thoughtful feedback. Many thanks go also to Professor Pablo Mendes De Leon for your support and insight in my master's studies and in the early stages of my PhD research.

I would also like to express my great appreciation to my nice colleagues at the International Institute of Air and Space Law (IIASL) of Leiden Law School at Leiden University. The Institute has not only granted me enormous support, but the team activities, such as the cheese-making on a farm and the visit to a brewery, have enriched my experiences in the Netherlands. Specifically, thank you Hilkje for helping me to extend my enrolment and scheduling the supervision meetings for me. Thank you Natascha for your kind help in my PhD application process and for aiding me with my onboarding. Thank you Dimitra, it is my great pleasure to co-coach the IIASL space law moot court with you, and I have learned a lot from you in this process. And thank you, Benjamyn, Jin, Tuvana, Yuran and Wanlu, it is very pleasant to be your colleague and to work and talk with you.

I am grateful to the Stichting Space Professionals Foundation for your generous financial support that enables me to participate in the Space Studies Program (SSP) at the International Space University (ISU). This once-in-alifetime experience has enabled me to deepen my understanding of space in general, inspired me in the research and practice of space law, and provided me with the opportunity to build connections with many close friends. Many thanks to all the staff and participants in the SSP 21, including in particular Aiden, Alberto, Alexandra, Antonio, Charlotte, Claudiu, Federico, Gary, Gautier, Grant, Joao, Ori, Stefan, Victor, and Xiaochen. Space is beyond doubt gorgeous, but what is even more stunning for me is our friendship built through our common enthusiasm for space.

X Aknowledgements

To my dad Ziguang and my mom Qinzhen, and my grandparents, Muyan and Lanxiang, thank you for raising me up and providing me with endless love and support that have enabled me to reach this point. I would also like to thank my dear friends Annemarie, Feiye, Mike, Moyu, Octavie, Tian, Weidong, Wenlan, Wensen, Yilin, and Xuezi, and many other friends who have played badminton, board games and video games with me. The time with you has created many enjoyable memories during my stay in Leiden. My thanks go also to the China Scholarship Council for the PhD scholarship sponsoring my research at Leiden University.

A special thanks goes to our fluffy friend Mimimo. He is a talkative cat as he often shouts "lai shua ma" (an attempted translation from feline language into Sichuan dialect meaning "come play with me") in days and nights and does not stop shouting until we play fetch using garlic, blueberries or grapes. He is also a consoling cat as he gives me a hug most of the time when I need, which has great healing effects after a long day of PhD research.

Thank you, my beloved life teammate Shaoyu. It always gives me power and strength when I recall our fantastic journeys to embrace the gentle summer breeze with the cicadas singing along the Mediterranean coast, to listen to classical music and moist our eyes with tears at the Musikverein, and to enjoy the view of Leiden high from the sky through the Starflyer. I am looking forward to opening more boxes of chocolates with you in the future. While pursuing a PhD may be described as a lonely journey as it focuses on independent research, it is not anymore with you accompanying me along the way. Together as a team, I am confident that we can achieve the goals we set, become the persons we want, and most importantly, live a happy life.

List of Principal Acronyms and Abbreviations

ADR Active Debris Removal

CAM Collision Avoidance Manoeuvre

CONFERS Consortium for Execution of Rendezvous and Servicing Operations

COPUOS Committee on the Peaceful Uses of Outer Space (UN)

COSPAR Committee on Space Research ESA European Space Agency

FCC Federal Communications Commission (US)

GEO Geostationary Orbit

GGE Group of Governmental Experts
IAA International Academy of Astronautics

IADC Inter-Agency Debris Coordination Committee

ICJ International Court of Justice
IGA Intergovernmental Agreement (ISS)
IISL International Institute of Space Law
ILC International Law Commission

ISO International Organization for Standardization

ISS International Space Station

ITAR International Traffic in Arms Regulations (US)
ITU International Telecommunication Union
JAXA Japan Aerospace Exploration Agency

LEO Low Earth Orbit

LSC Legal Subcommittee (COPUOS)
LTS Long-Term Sustainability

NASA National Aeronautics and Space Administration (US)

NDCs Nationally Determined Contributions

OECD Organisation for Economic Co-operation and Development

OEWG Open-Ended Working Group

OOS On-Orbit Servicing
OST Outer Space Treaty

RPO Rendezvous and Proximity Operations

SSA Space Situational Awareness SSC Space Safety Coalition SSN Space Surveillance Network SSR Space Sustainability Rating

STSC Scientific and Technical Subcommittee (COPUOS)

SWF Secure World Foundation

TCBMs Transparency and Confidence-Building Measures

UK United Kingdom UN United Nations

UNCLOS United Nations Convention on the Law of the Sea

UNGA United Nations General Assembly

UNOOSA United Nations Office for Outer Space Affairs

UNSG United Nations Secretary-General

US United States

VCLT Vienna Convention on the Law of Treaties