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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

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Legal and policy aspects of space big data

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

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List of abbreviations

AIAA	American Institute of Aeronautics and Astronautics
ARRA	Rescue and Return Agreement
BIS	Bureau of Industry (US)
CCDCOE	Cooperative Cyber Defence Centre of Excellence
CCSDS	Consultative Committee for Space Data Systems
CEOS	Committee on Earth Observation Satellites
CFR	Code of Federal Regulations (US)
CJEU	Court of Justice of the European Union
DDTC	Department of Defence Trade Controls (US)
DG	Director(ate)-General
DG DEFIS	Directorate General Defence Industry and Space (EU)
EAR	Export Administration Regulations (US)
EARSC	European Association of Remote Sensing Companies
EEAS	European External Action Service
EGNOS	European Geostationary Navigation Overlay Service
ENISA	European Union Agency for Cybersecurity
EO	Earth Observation
EPO	European Patent Office
ESA	European Space Agency
ESPI	European Space Policy Institute
ESRIN	European Agency Centre for Earth Observation
EU	European Union
EUIPO	European Union Intellectual Property Organisation
EUMETSAT	European Organization for the Exploitation of Meteorological Satellites
EUSPA	European Union Agency for the Space Programme
FAA	Federal Aviation Administration (US)
FAO	Food and Agriculture Organization
GDPR	General Data Protection Regulation (EU)
GEO	Group on Earth Observations
GEOS	Group on Earth Observations System of Systems
GIS	Geographic Information System
GLONASS	GLObalnaya NAVigatsionnaya Sputnikovaya Sistema
GNSS	Global Navigation Satellite Systems
GOVSATCOM	European Union Governmental Satellite Communications
GPS	Global Positioning System
HAS	High Accuracy Service
ICT	Information Communication Technologies
IGA	Intergovernmental Agreement

IISL	International Institute of Space Law
IMO	International Maritime Organization
IoT	Internet of Things
IP(R)	Intellectual Property (Rights)
IRIS ² /IRISS	Infrastructure for Resilience, Interconnectivity and Security by Satellite
ISO	International Organization for Standardization
ISRO	Indian Space Research Organisation
ISS	International Space Station
ITAR	International Traffic in Arms Regulations
ITU	International Telecommunication Union
JAXA	Japan Aerospace Exploration Agency
JRC	Joint Research Centre
LIAB	Liability Convention
LTS	Long-Term Sustainability
NASA	National Aeronautics and Space Administration
NATO	North Atlantic Treaty Organization
NESDIS	National Environmental Satellite, Data, and Information Service
NIS	Network and Information Systems
NOAA	National Oceanic and Atmospheric Administration (US)
NSO	Netherlands Space Office
OECD	Organisation for Economic Co-operation and Development
OFAC	Office of Foreign Assets Control (US)
OS	Open Service
OST	Outer Space Treaty
PRS	Public Regulated Service
REG	Registration Convention
SAR	Search and Rescue
SAR	Synthetic Aperture Radar
SDG(s)	Sustainable Development Goal(s)
SKA(O)	Square Kilometer Array (Observatory)
SSA	Space Situational Awareness
SST	Space Surveillance and Tracking
STM	Space Traffic Management
TEU	Treaty on European Union
TFEU	Treaty on the Functioning of the European Union
TRIPS	Trade-Related Aspects of Intellectual Property Rights
UK	United Kingdom
UN	United Nations
UNCOPUOS	United Nations Committee on the Peaceful Uses of Outer Space
UNGA	United Nations General Assembly
UNIDIR	United Nations Institute for Disarmament Research
UNOOSA	United Nations Office for Outer Space Affairs
UNSDG(s)/ UN SDG(s)	United Nations Sustainable Development Goal(s)
UN-SPIDER	United Nations Platform for Space-based Information for Disaster Management and Emergency Response

US	United States
USAID	United States Agency for International Development
USC	United States Code
WIPO	World Intellectual Property Organization
WMO	World Meteorological Organization

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