



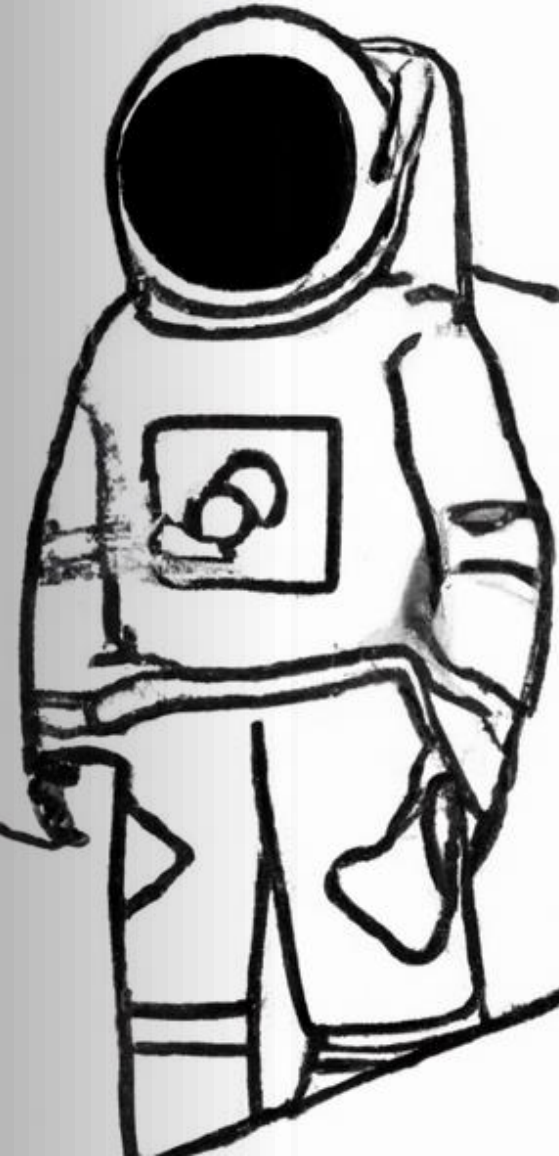
Safety zones: emerging norms in space security?

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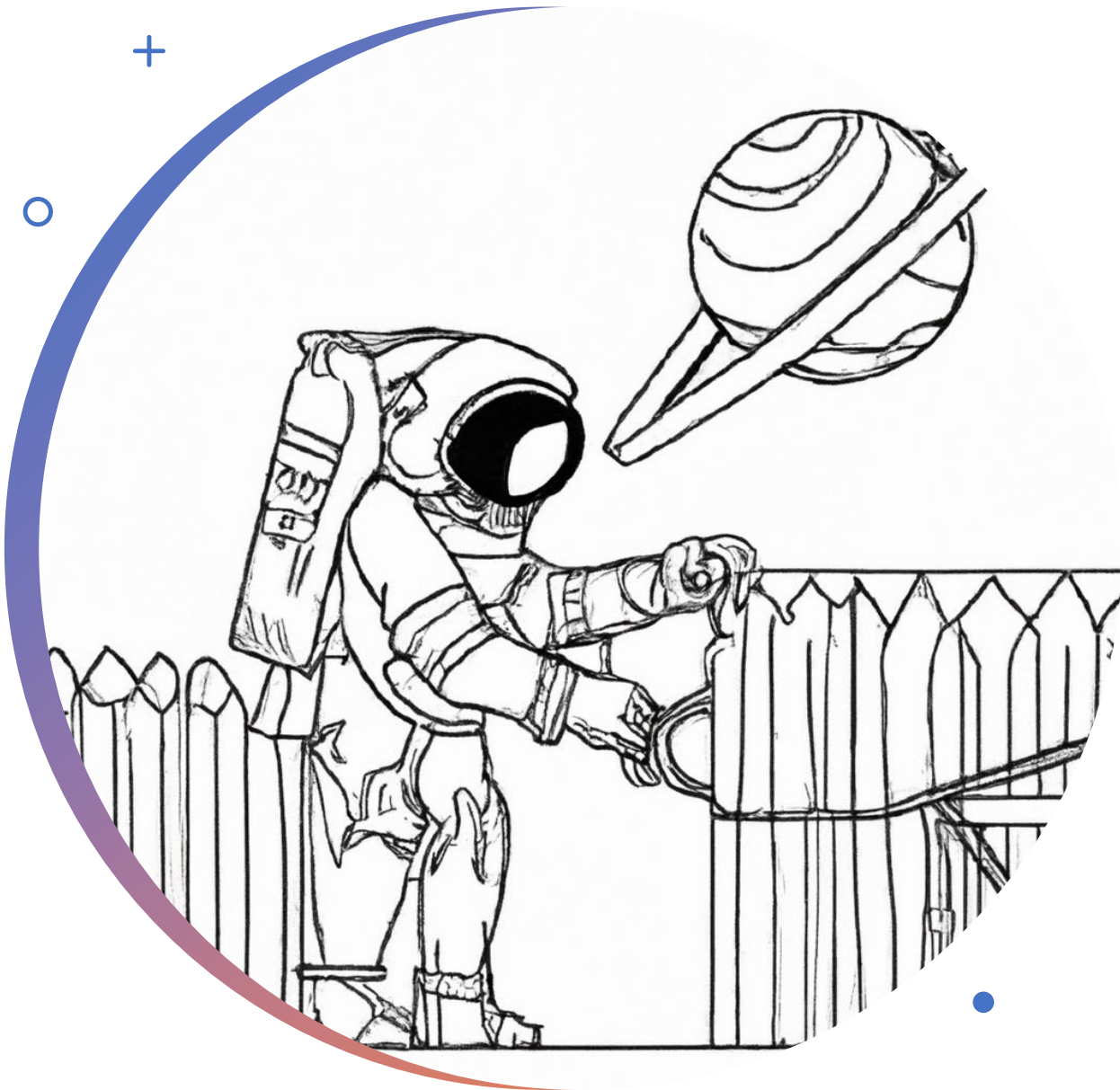


Issues:

- Increasing congestion of space
- Increasing diversity of users
- 'space' not a homogenous environment with uniform characteristics
- Relevant international law
- Concept of 'safety zones'
- Artemis Accords and other models
- Shift from laws (treaties) to norms

Outer Space Treaty

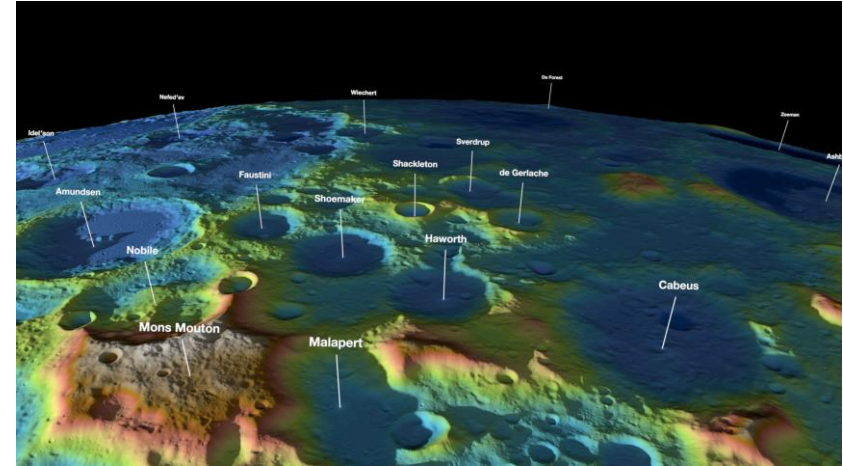
- Art I: outer space is 'free for exploration and use by all States without discrimination of any kind, on the basis of equality and in accordance with international law, and there shall be free access to all areas of celestial bodies'
- Art II: principle of 'non-appropriation' by use, occupation or any other means
- Art IX: States shall conduct all of their activities in outer space with '**due regard** to the corresponding interests of all other States Parties to the Treaty' and if a State has reason to believe that a planned activity or experiment 'would cause potentially **harmful interference** with activities of other States Parties in the peaceful exploration and use of outer space' it 'shall undertake appropriate international consultations before proceeding with any such activity or experiment.'



Safety zones

- Precedents of 'keep out' zones in air and maritime laws
- International Space Station has a (contractual) keep out zone
- The Consortium for Execution of Rendezvous and Servicing Operations (CONFERS)
- SpaceX/ NASA give-way agreement

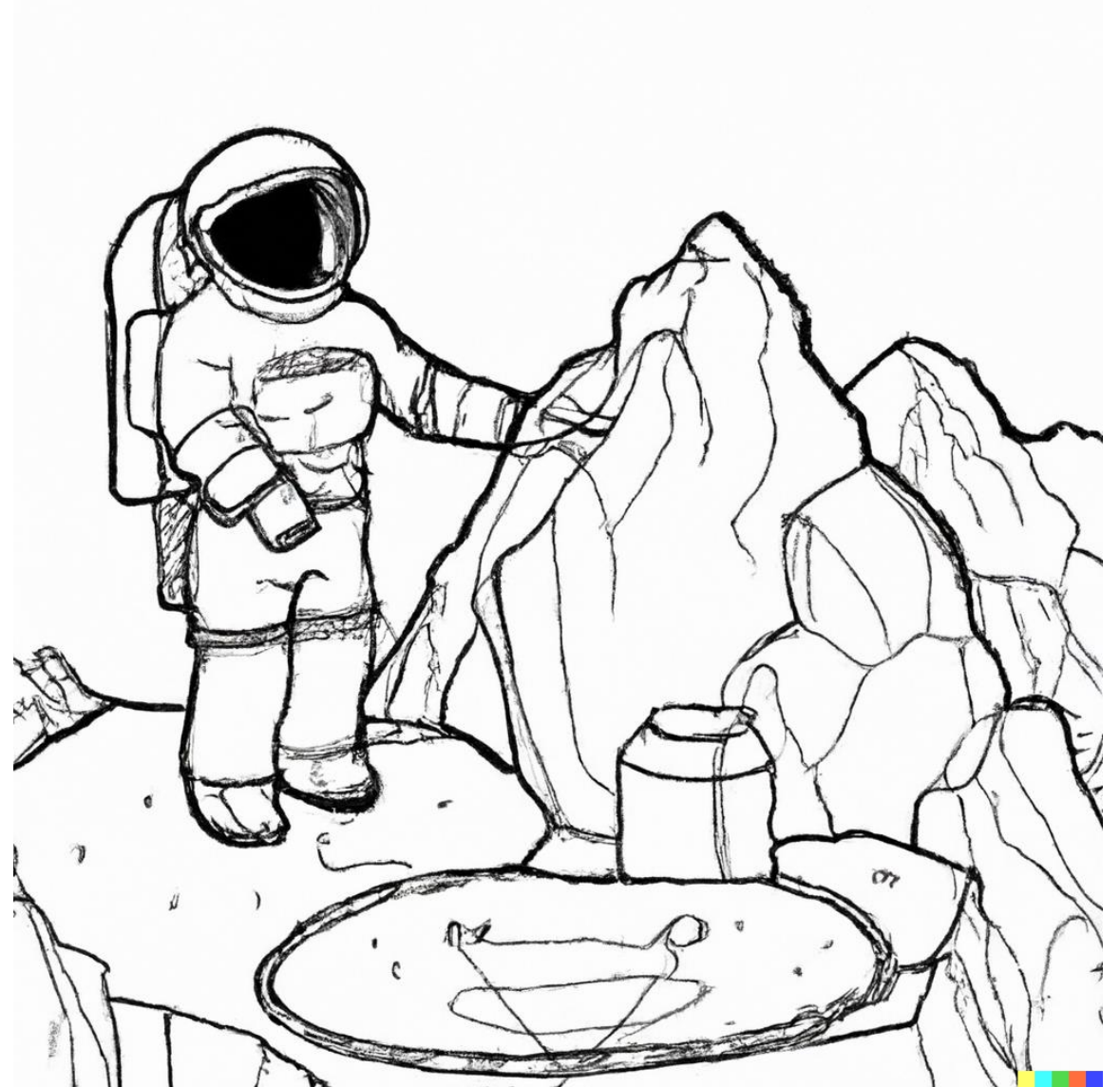
Artemis Accords



- Explicitly based in OST concepts of due regard and harmful interference
- signatories to actively refrain from ‘any intentional actions that may create harmful interference with each other’s use of outer space in their activities under these Accords’.
- may protect: ‘public and private personnel, equipment, and operations from harmful interference’
- Competing projects at Lunar South Pole

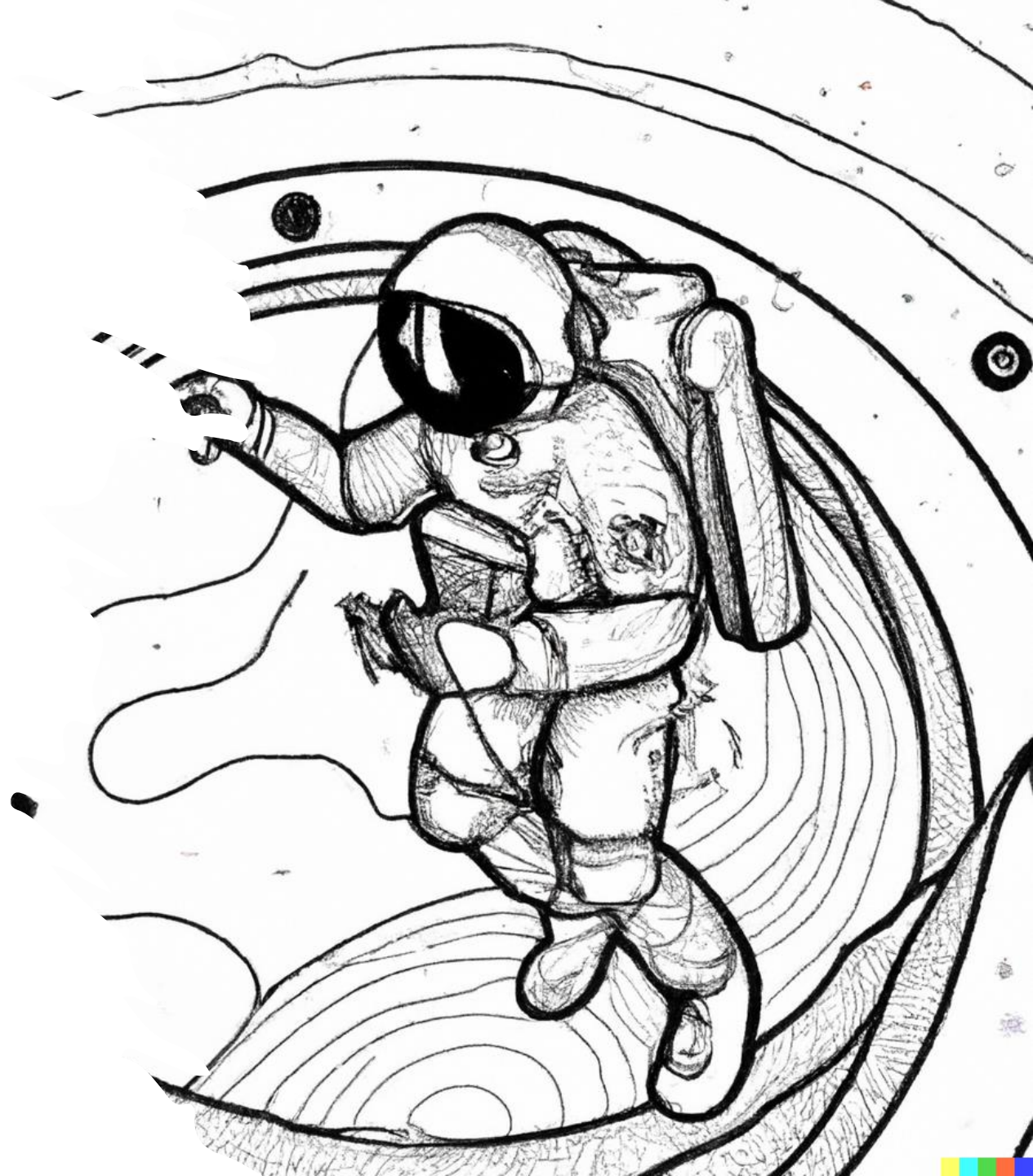
ILRS

- No current binding terms, to be worked out by the participants
- Focus on adherence to the principles of the OST
- ‘joint development of the legal documents regulating relations’
- Acknowledgment of the Artemis Accords and positioning as a counterpoint to that development



China- WG on Legal Aspects of Space Resource Activities (March 2024)

- Art IX OST
- WG should 'formulate initial recommended principles as tools to implement the principle of cooperation and mutual assistance in space resource activities, which would ensure the safe and orderly conduct of such activities, and promote coordination among relevant States'



Safety zones and norms

- Space Situational Awareness and Space Traffic Management
- Increased commercial investment and open source information, global 'follow the sun' Joint Task Force Space Defense Commercial Operations Cells
- Distance vs behaviours
- 'Rules of the Road'

