On-Orbit Servicing and "Tacit" Consent under International Law

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#### Dextre

- Also known as the Special Purpose Dexterous Manipulator (SPDM)
- Canada's contribution to the ISS
- "Two-armed robot"
- Part of the RRM experiment



On-Orbit Servicing to Space Objects with Non-Cooperative Interfaces

- > The target is unknown.
- The target can have any orientation or position at the time of the rendez-vous.
- ➢ For refueling, maintenance and/or repair to be possible, cooperative interfaces are to be given to the space object during the manufacturing stage.
- Dextre is an exception to the above.

# The Principle of Non-Intervention under the ICJ Nicaragua Case

#### Customary nature

- > Article 2 (7) of the UN Charter
- It is defined as the conduct of internal affairs without outside interference.
- The wrongfulness of intervention is determined by the use of means of coercion.

### Applicability of the Principle of Non-Intervention in Space

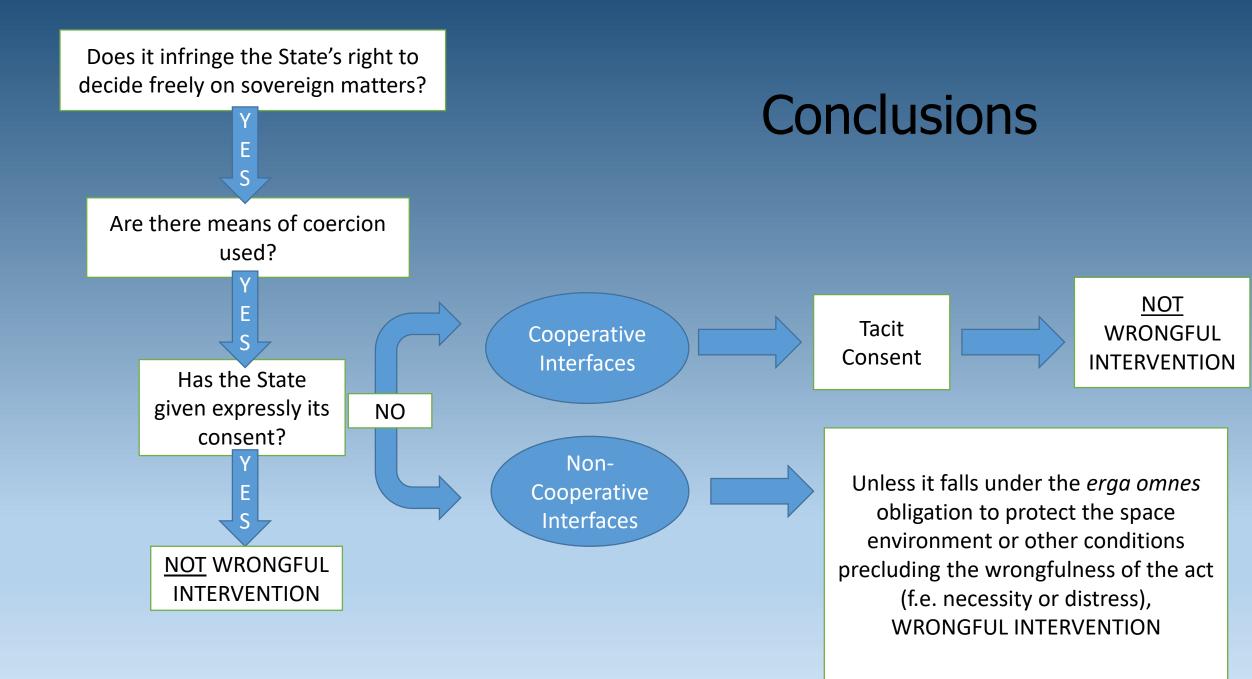
- Does it apply to space objects?
- Article III OST
- Article VIII OST (sentence 1)
- >Does it apply to space debris?
- Controversy on whether they legally constitute space objects
- Article VIII OST (sentence 1 & 2)

### Consent in International Law and under the ARSIWA\* regime

- Article 20: consent as a condition precluding the wrongfulness of an act
- Crucial elements:
- Validity of consent
- Respect of the limits of the consent given
- Tacit Consent as in the context of the creation of custom
- Prior knowledge required

# *Erga Omnes* Obligations in International and Space Law

- Obligations protecting a collective interest, such as "the international community as a whole"
- Interrelation between the protection of the environment and human rights
- "Intra-generational equity"
- Preremptory norm?





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### **Questions/Talking points**

- 1. Incidents of on-orbit servicing to space objects with non-cooperative interfaces
- 2. Environmental obligations as peremptory norms in outer space