

Proposal Open Session

SHOT 2021

Title: Commercial Environmental Satellites. Challenges and Impacts.

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Description:

Over the decades environmental satellites have evolved from an almost exclusively governmental function to one increasingly carried out by private industry. As the critical industrial means for commercialising these systems (or some of their parts) became available, a number of firms have progressively created markets in the domains of GIS, data location, signal frequencies or environmental data.

This panel will explore the organizations, resources, ideologies, legislation, discourses, policies and practices that promote or hinder the growing commercialisation of certain environmental satellite infrastructures, as well as their epistemic, financial, political, geopolitical, juridical, and ethical challenges and impacts. “Environmental satellites” are understood here as the whole technological system involved in producing, disseminating and using environmental knowledge from the orbits. This includes, among other elements, Earth-orbiting satellites by themselves (scientific, weather, GPS, location, etc), sensors, orbital slots, signal frequencies, surface antennas, calibration networks, data processing software, databases or data products. Papers dealing with these and other related topics, from all disciplines, are welcomed.

Procedure: Those interested in proposing presentations for this session should send an abstract (500 words maximum), short CV (300 words maximum), and current contact information. Send to gemma.cirac@gmail.com . Deadline: April 12, 2021.