



7th INTERNATIONAL SPACE RADIO MONITORING MEETING



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BUCHAREST
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Name & Organisation

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Presentation title

Strategic / international perspective on space security, cooperation and relevant UN COPUOS / ATLAC context

Abstract

This presentation offers a strategic and international perspective on space radio monitoring, examining how technical capability can support space security, regulatory decision-making and international cooperation. It argues that future monitoring systems should be designed not only as observation infrastructure, but as trust infrastructure: capable of transforming signals into verifiable evidence that can be understood, assessed and, where necessary, challenged across institutional and national boundaries. Drawing on experience within UN COPUOS, including the Scientific and Technical Subcommittee and the Action Team on Lunar Activities Consultation (ATLAC), the presentation explores the role of reliable information, institutional accountability, consultation mechanisms and capacity-building in creating a credible common factual baseline. It also considers how these principles relate to the broader international space governance framework, including the Outer Space Treaty, while highlighting the importance of preserving clear responsibility as monitoring becomes increasingly distributed, automated and internationally interconnected.

Short bio

Dr. Ulpia-Elena Botezatu is an expert in space security, specifically on the interplay between governance, protection of critical infrastructure, and outer space security. Within the United Nations Committee on the Peaceful Uses of Outer Space (UN COPUOS), she was Chair of the Scientific and Technical Subcommittee (STSc) 2024-2026, currently she is a Co-Chair of the Action Team on Lunar Activities Consultation (ATLAC) and serves as a delegate to UN COPUOS, the European Space Agency Program Board on Space Situational Awareness, the EU-SST Partnership's Steering, Coordination, and Security Committees, the International Standardization Organization on issues related to Space Traffic Management and Coordination, the International Academy of Astronautics, and the NATO Science and Technology Organization. Additionally, Dr. Botezatu manages numerous research projects centered on space situational awareness, space surveillance, and critical space infrastructure. She has also worked with Romanian governmental bodies and committees on space security has extensive experience in space and science diplomacy.