



Name &
Organisation

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Presentation title

CleanWaves initiative at ESA: towards spectrum sustainability.



Abstract

ESA has started an initiative called “CleanWaves” – which aims to support industrial and institutional initiatives for spectrum monitoring, interference detection and mitigation and more efficient spectrum use. ESA will initiate several activities which seek to demonstrate the added-value of space-based spectrum monitoring to this field. Future space-based means can possibly be embedded into existing regional or international spectrum monitoring frameworks.

Short bio

Frank Zeppenfeldt works in the satellite communications group of the European Space Agency (ESA). Frank has been initiating several activities in IoT, M2M, automotive, and 5G via satellite, and looks after several spectrum and regulatory aspects. Before that, Frank worked on military satellite communications and was responsible for the network architectures in operational deployments and various military technology exercises. Earlier, Frank was implementing ground segment communications in EUMETSAT (European Organization for Meteorological Satellites). Frank works with Teodora Secara and Javier de Pablos from the Directorate of Connectivity and Secure Communications who have a background in satellite communications, regulatory issues and partnership building in international environments.