

## **A new method for spectrum monitoring networks design**

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**Abstract:**

In the ITU Spectrum Monitoring handbook, edition 2011, a model for design of radio monitoring systems is suggested. This model is based on the work of Pavliuk et al. In this paper we propose a modified version on the Pavliuk model, using methods from the mobile networks world, like semi-deterministic propagation models and population information. We apply the method for the design of the monitoring network in Costa Rica.