

SOURCE: Department of Communication Systems, Jožef Stefan Institute, Slovenia

LOG-a-TEC testbed current state and future plans

LOG-a-TEC covers a set of diverse radio testbeds used for research purposes. It initially started 7 years ago as an outdoor environmental sensing facility. It evolved towards spectrum sensing and cognitive radio as its largest component. It is also covering application areas (verticals) such as photovoltaics, air quality and automotive. More recently, it is evolving towards a comprehensive heterogeneous M2M/MTC/dense IoT setup comprising LR-WPAN and LPWAN technologies. All setups are based on a version of the VESNA hardware platform which can be used as standalone or combined with other more powerful machines. VESNA is a modular and configurable embedded hardware platform developed by JSI Department of communication systems.

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