



## UNIGE/Selex Elsag demonstrator

pSHIELD Review Meeting

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# Cognitive radio demo

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- A **cognitive radio** node software prototype was implemented;
- The node is able to sense **signal strength** of detected mobile entities;
- By comparing received signal strengths, the cognitive node is able to detect **jammers** within the monitored environment;
- The software prototype is able to deal with **fixed** and **mobile** jammers;
- After a jammer is detected, the cooperative mobile entity automatically **modifies** its operating frequency

# Cognitive radio demo

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