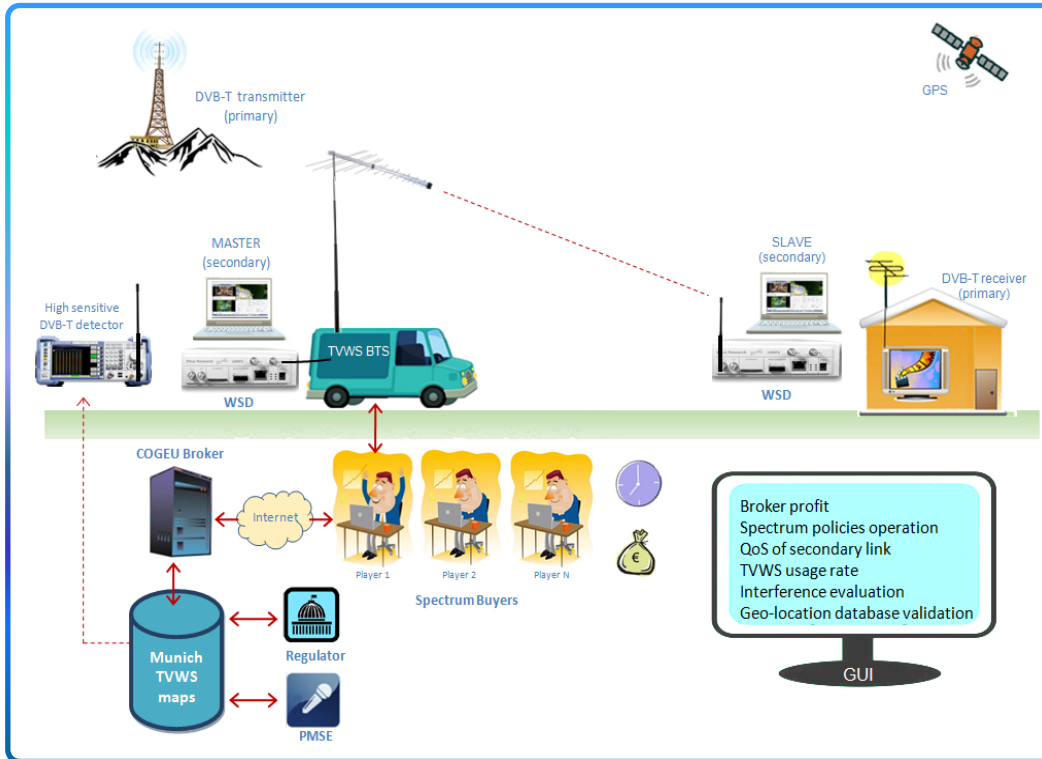


## A secondary Spectrum Trading framework for TV White Spaces in Europe

[www.ict-cogeu.eu](http://www.ict-cogeu.eu)

The main objective of the FP7-ICT COGEU project is to design, implement and demonstrate cognitive radio technologies to allow an efficient use of TV White Spaces in Europe.

- COGEU project will demonstrate a secondary spectrum market of TV White Spaces in Munich and Bratislava area.
- Operators seeking to extend their services through the TV White Spaces with a need for guaranteed QoS, may buy temporary exclusive rights from a broker.
- Secondary users are charged based on spectrum utilization, thus boosting competition and innovation in the telecommunication sector.



### COGEU innovation

- Secondary market of TVWS (beyond current free access regime proposed by regulators).
- Combination of local sensing with geo-location database access.
- Realistic TVWS maps computed by a broadcasters in Germany and Slovakia.
- New in-lab coexistence studies with DVB-T.
- Advance spectrum shaping for an efficient TVWS exploitation.
- New business model with the broadcasters in the value chain.

