



## DATA COLLECTION FROM SEVERAL TRANSMITTERS

*Splitting of time space so that a receiver can intercept several signals without collisions during a small time slice*

### Technological benefits

#### Network autonomy

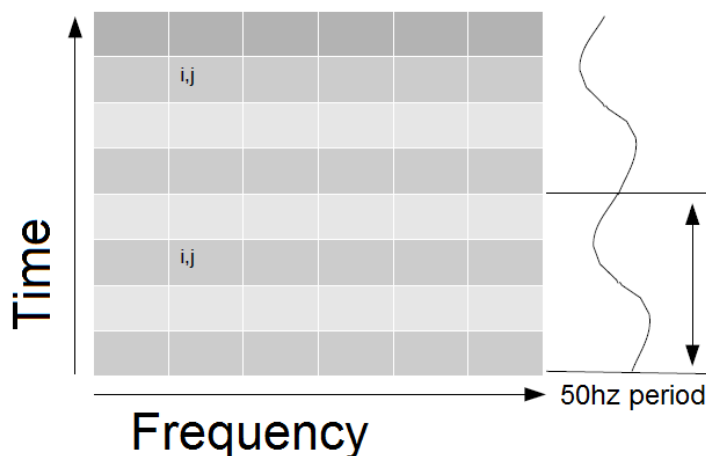
- Transmitters can transmit without internet and potentially without exchange of signals

#### Precision timing

- The cutting is done on the synchronous electrical network phase on a geographical area, it is therefore very precise and global.

#### Prioritization of Received Signals

- Cutting makes it possible to create priority intervals in order to avoid important signals collisions, fire alarms ..



### Invention overview

The time slicing technique is used to optimize the reception of data from several transmitters with a small window of time visibility. Thus, a drone, or a satellite, can recover data from many transmitters in a single pass without collision of messages.



### Potential applications

#### Civil security

- Extraction of data during catastrophic events (earthquake, tsunami) during which Internet and GSM communications are cut off.

#### Military

- Recovery of geographical information of soldiers on mission equipped with transmitter bracelets

#### Internet of things

- Recover data from all objects connected to the sector but not necessarily to the Internet, meter reading of the electricity supplier

#### Spatial

- Data retrieval of hundreds of tags simultaneously, prefiguring a SUPER Cospas-Sarsat

### Commercial benefits

#### Fewer components required

- Extreme simplicity of the electronics required for emission and reception, no Internet, nor of GPS

#### Reliability and resilience

- Robustness, low consumption and high reliability of information transport, even in the absence of traditional channels (Internet, GSM ...)

**TRL : 4**  
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