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**
*Property CNES 100%*