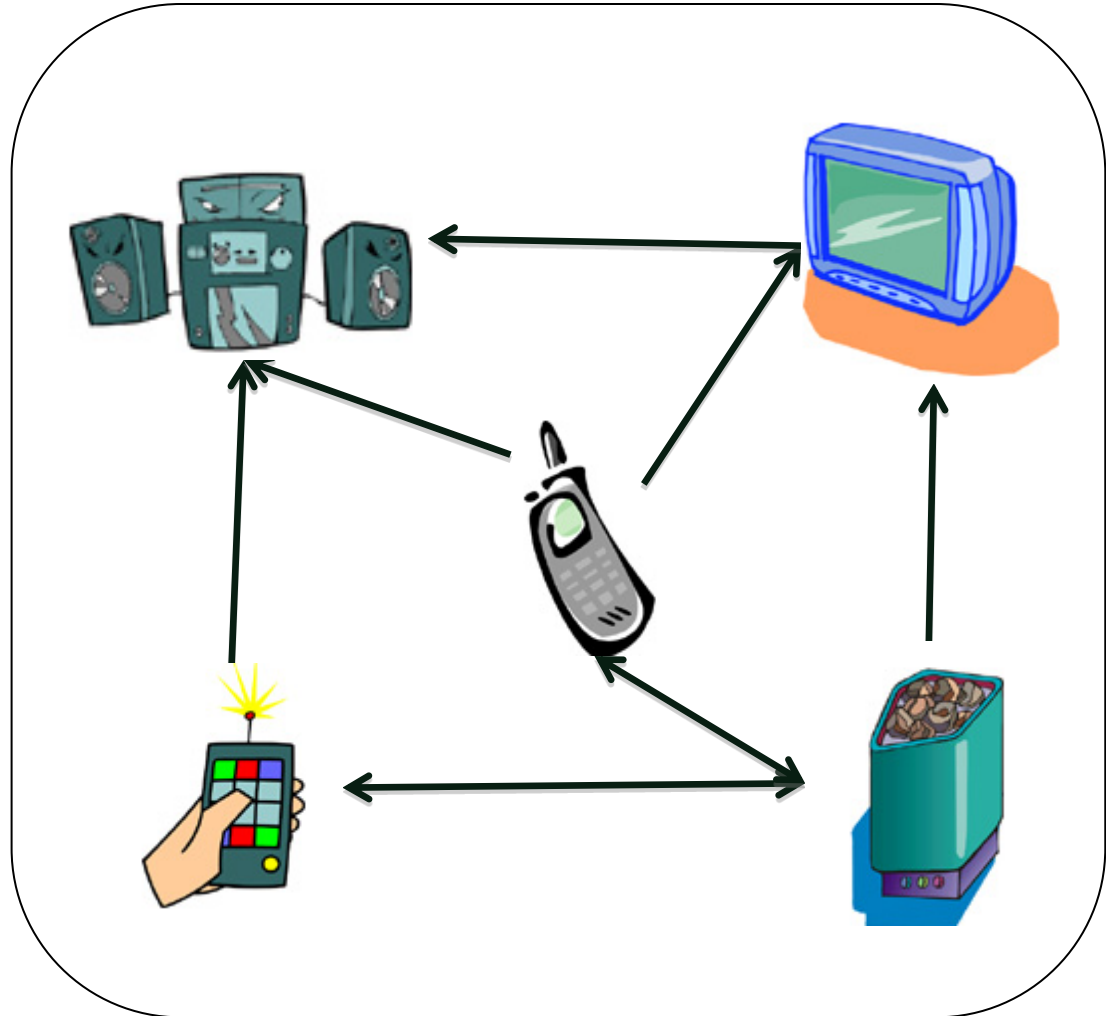


osemi

Ambient Home Vertical Domain

- Espotel (FI)
- mFabrik (FI)
- Prodevelop (ES)
- Telefónica I+D (ES)
- UC3M (ES)
- UVigo (ES)
- Vodafone (ES)
- VTT (FI)





- **Technical challenges**
 - Indoor localization, Multimedia management, Advanced user interfacing, Machine to machine communications, Mobile interfacing, Indoor GIS, Device interoperability, resource awareness, adaptability
- **Used technologies**
 - User interface technologies: JavaFX, QT, Python
 - Communication protocols: UPnP, XMPP,
 - Location Based technologies : GPS, Network-based, bluetooth
 - Communication media: Bluetooth, Sub GHz radio links, native interfaces
- **OSAmI Commons**
 - OSAml Commons provides the abstraction layer to the wide variety of technologies enabling services to communicate across machine borders



- **User stories**
 - Ambient home scenario including consumer electronic and other home systems

- **Business case**
 - New mechanism to collect context information in order to provide the more accurate service management.
 - Reduced time to market.
 - Faster service composition method
 - Interoperable and easy to extend platform for a wide variety of devices.
 - Creates a new value for smart devices as a part of smart home environment

- **Innovations**
 - Enables the inclusion of location, wide sensor-monitoring and interaction with another vertical domain (such as City services)
 - Provides innovations and novelty regarding to existing state-of-the-art