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Fondo Europeo de Desarrollo Regional



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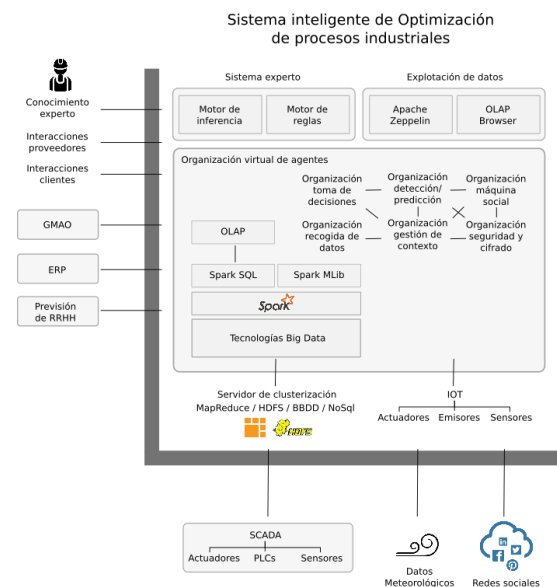
IoT and Digital Data. The real challenges

Javier Parra, PhD

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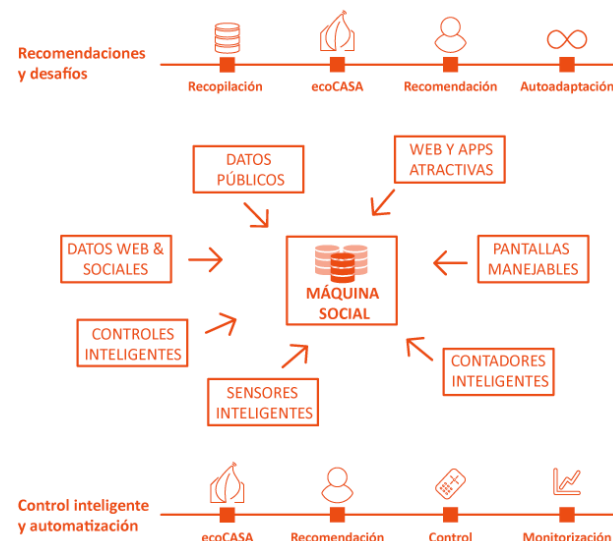
- PRISMA: PlatafoRma BigData and IoT for the optimization of the processes of integrated systems in the value chain
- **Main Objective:** Design a system that facilitates the optimization of the operations and predictive maintenance of the value chain of the manufacturing and logistics industry
- **Technologies:** IoT, Big Data, Cloud Computing, machine Learning



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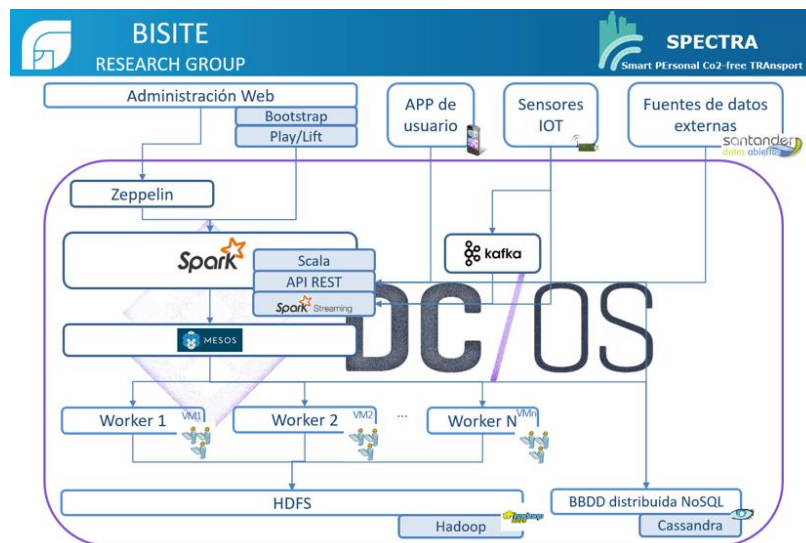
- ECO-CASA: Smart Buildings and Social Computing for Behavior Change in the Final Consumer
- **Main Objective:** Novel Platform that generates a change of Behavior in residential buildings (energy efficient habits, as well as a drastic reduction in consumption / production and emissions without compromising comfort levels)



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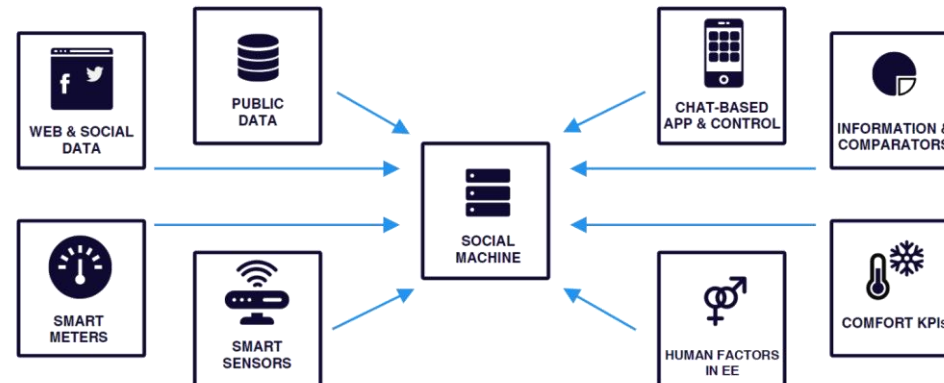
- SPECTRA: Smart Personal Co2-free TRANsport
- **Main Objective:** Integration and massive analysis of information received by sensors (especially vehicles) deployed in Smart Cities
- **Tecnologies:** Big Data, Cloud Computing, NoSQL, Visual



IoT and Digital Data. The real challenges



- CHROMOSOME: CHange and analysis of consumeR behaviOur at sMart hOmes via SOcial MachinE
- **Main Objective:** Develop a web-based Platform that leads to a change in the Behavior of residential energy consumers towards more efficient habits and a drastic reduction in consumption / production and emissions without compromising comfort levels
- **Tecnologies:** Social machine, IoT Smart Meters, Smart Contracts (Blockchain)



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 Rural IoT

- Rural IoT: Optimization of agricultural and livestock production through intelligent IoT (Internet of Things) solutions
- **Main Objective:** Investigate and advance in technologies and intelligent algorithms that allow for the design of an unified sensorization and geolocation platform aimed at optimized Monitoring and management of resources in the agricultural and livestock field
- **Tecnologies:** IoT, Real Time localization, experts





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