Differential

- Tools
  - Middleware
    - Web services
      - BD SQL
      - BD NO SQL
  - Hadoop
  - Cloud computing
    - Support infrastructure
  - Map-Reduce
  - Software packet
  - R
  - Matlab

- Data interaction
  - Data model
    - Programming technologies
  - Data Analysis

- Theoretical and academic
  - Predictions
    - Approximate reasoning
      - Multiclassifiers
        - Classifiers
      - Statistical regression
      - By cases
        - Neuronal nets
      - Fuzzy Logic
      - Fuzzy rules systems
        - Clustering
      - Linguistic summaries
      - Association rules
      - Times series

- Data management model
  - Context knowledge representation model
  - Data fusion
  - Fuzzy data mining
  - Forecast models
  - Generating recommendations for increasing energy efficiency
  - To validate the contributions

- Hierarchical
  - Building
    - Campus
      - City
        - Province
          - Regional
  - Degrees / master degrees
    - Registration data
      - Class schedules
  - Administrative data
    - Activity data
      - Wifi connections
      - Network usage
    - Weather data
  - Institutions
    - University Pablo de Olavide
    - University of Granada
    - University of Castilla-La Mancha