ICT Changing the Global Village: Individual Life-Footprint

- A continuous, real-time measurement of an individual’s impact or “footprint” on the environment and on their own lives

- Own life-styles are managed with new monitoring and decision-making technologies

- Future individuals are bound to be self-sustainable

- Prosumers able to produce own energy and manage all natural resources utilisation

- Individuals will have complete control on their life and trading; this can potentially happen at a global scale

- Environmental monitoring and sustainability

- A big market opportunity on networks, software, and services
Individual Life-Footprint

- **Research Challenges**
  - Modelling of Natural Resources use
  - Modelling life patterns
  - Massive data acquisition
  - Massive data into massive information
  - Massive information into exploitable knowledge

- **Areas**
  - Models and Simulation
    - Natural Sciences (Energy, Environment...)
    - Life Sciences (Bio, Medical...)
  - Networks
    - Hardware
    - Software
  - Data mining, semantics
  - Decision-making systems
  - Social networking
  - Services
  - ...

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A Ferreira – FET Flagship proposal
Individual Life-Footprint

- Encompass many existing ideas

- Needs
  - Federated effort
  - Involvement and prioritisation of several other domains

- Able to rally both European Academics and European Society into Innovation

- Attractive to EIT, Joint Programming, ...
Feedback

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