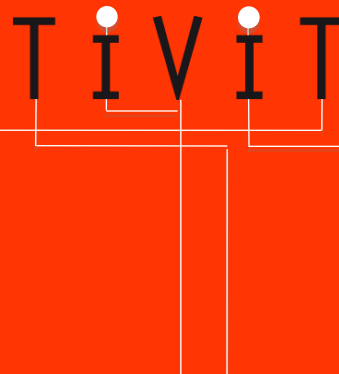




Envitori: Marketplace Architecture

Closing seminar
Olavi Karasti
13.10.2010



Marketplace Architecture: Content

Deals with technical issues not with business issues

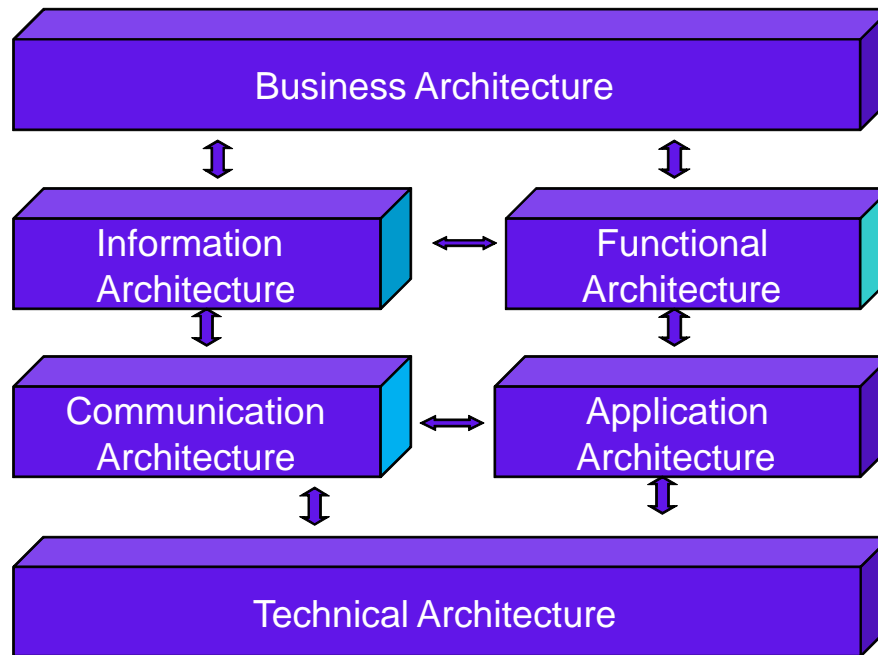
Deliverable: D1.2 Environmental market place service architecture

- General concept
- Marketplace in network of environmental data services
- Environmental Architecture
- Service Interfaces

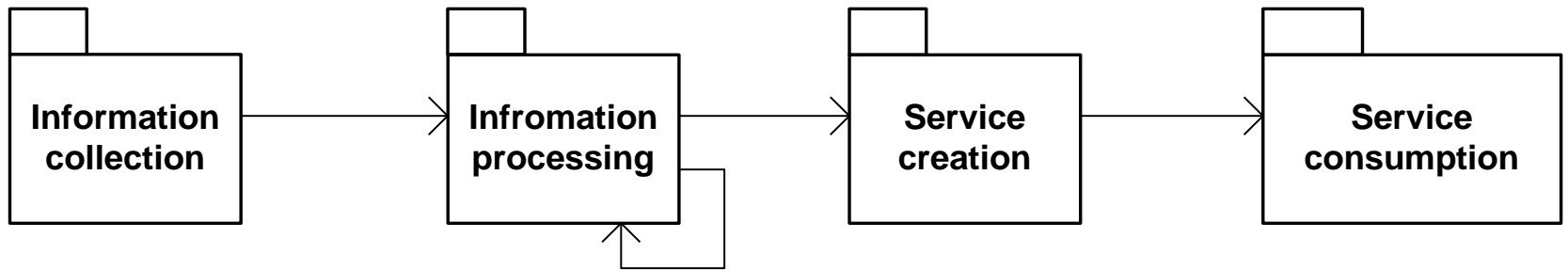
Partners

- VTT: Ville Kotovirta, Markku Huttunen, Joni Niemi
- UEF: Taneli Laavola
- Elisa: Olavi Karasti, Jari Peuralahti
- HiQ: Jukka Koskimäki, Atso Haapaniemi

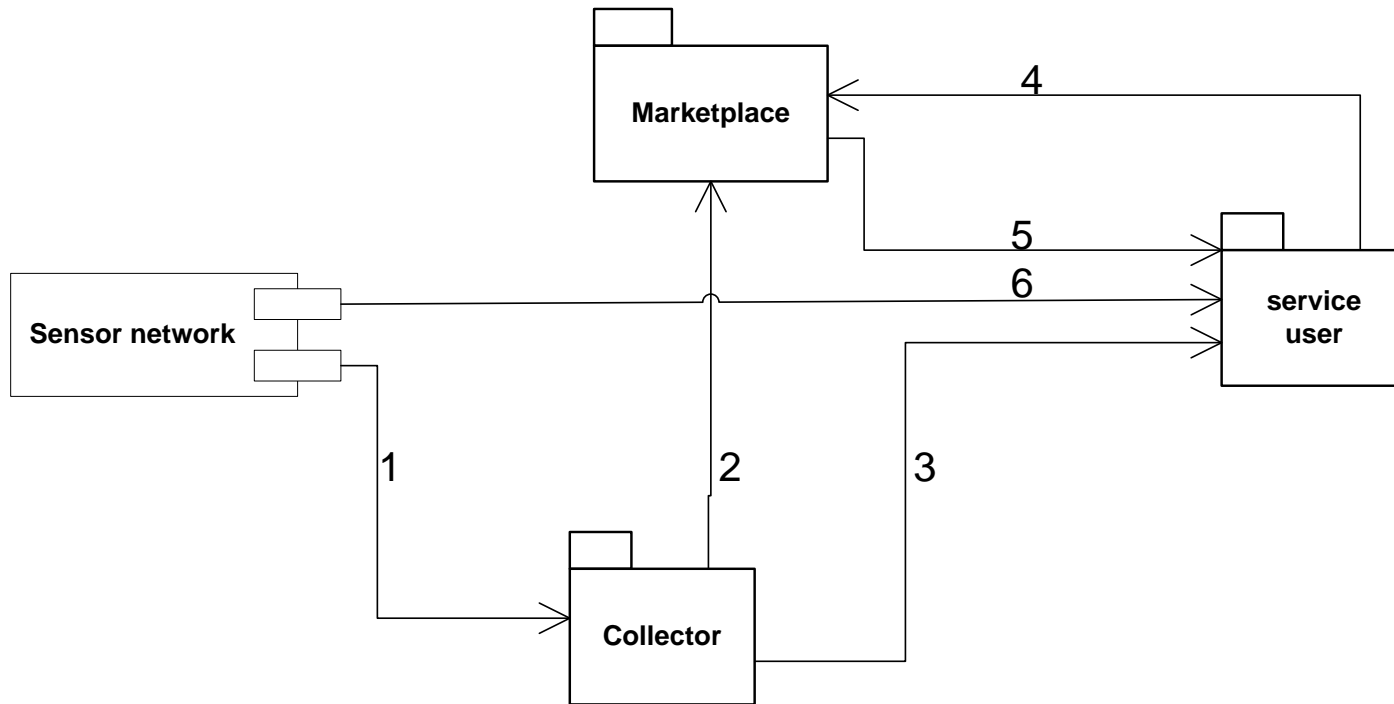
Marketplace Architecture: General Concept



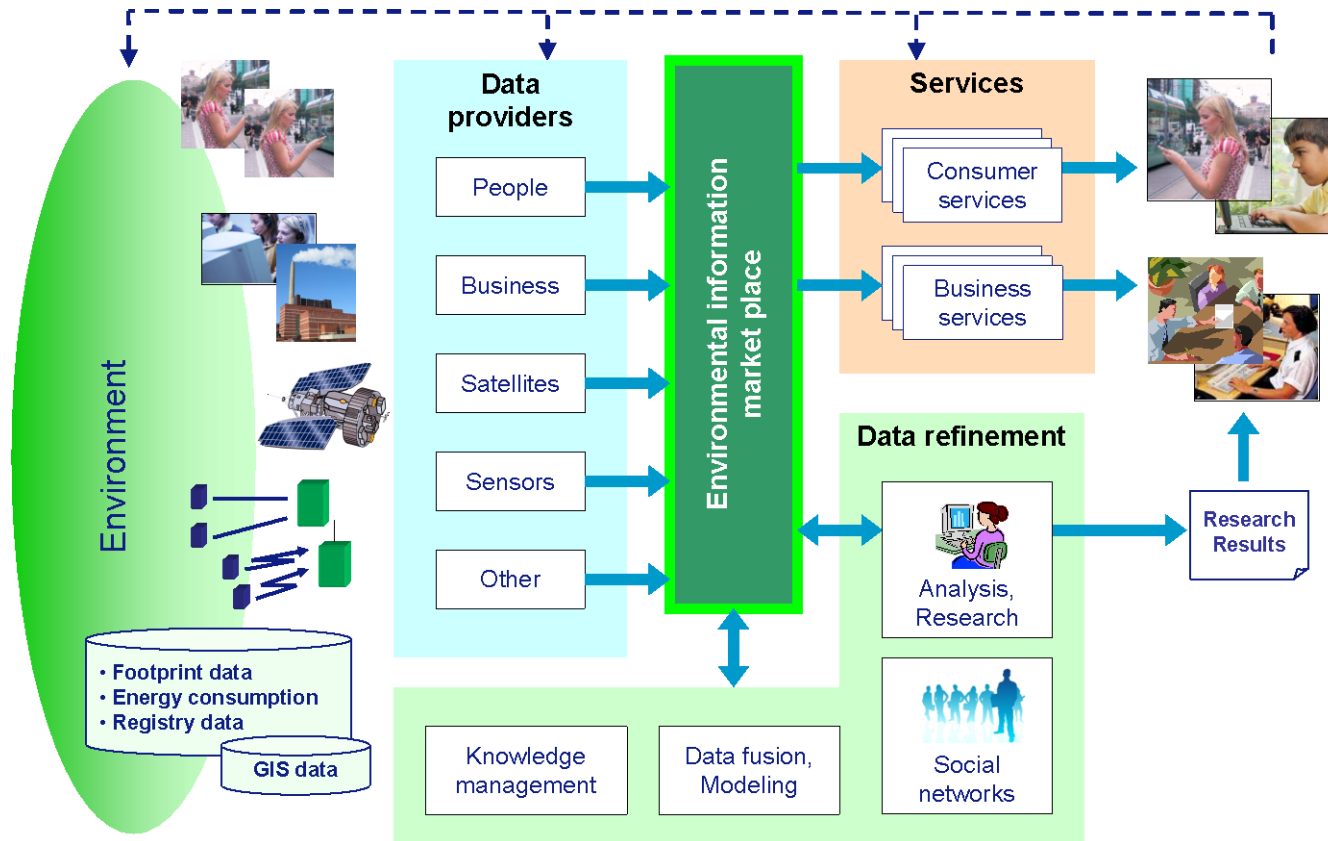
Marketplace Architecture: Basic Functionalities



Marketplace Architecture: Basic Functionalities, example

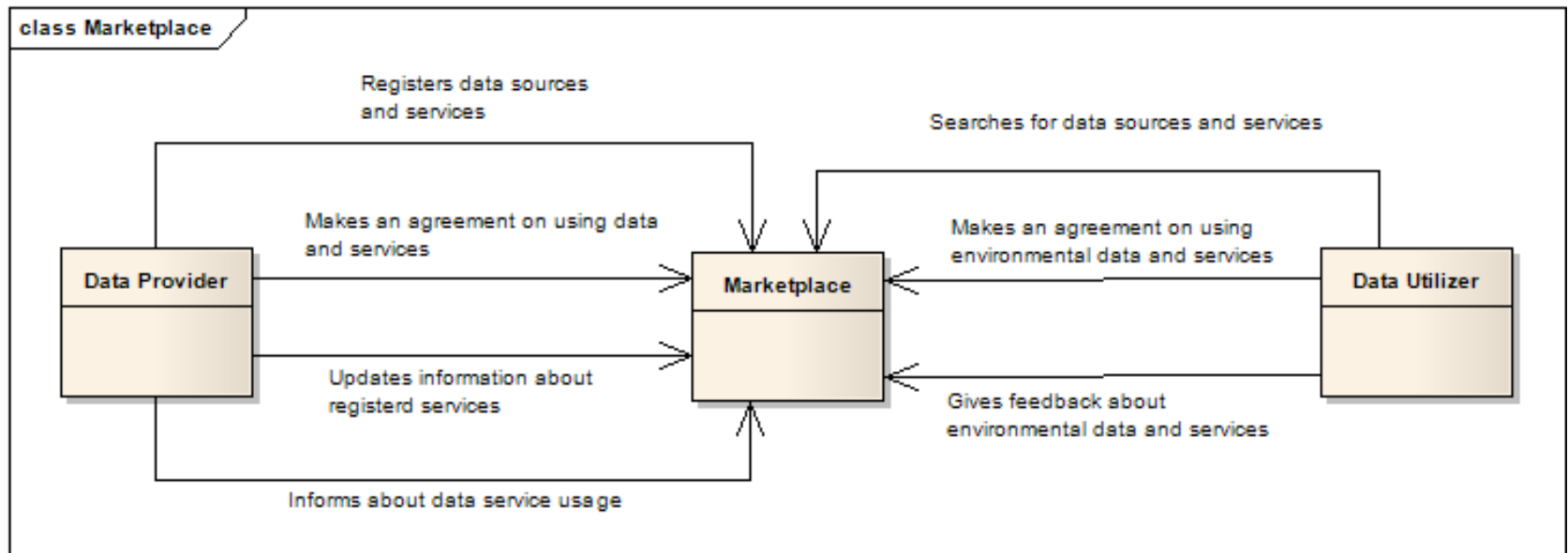


Marketplace

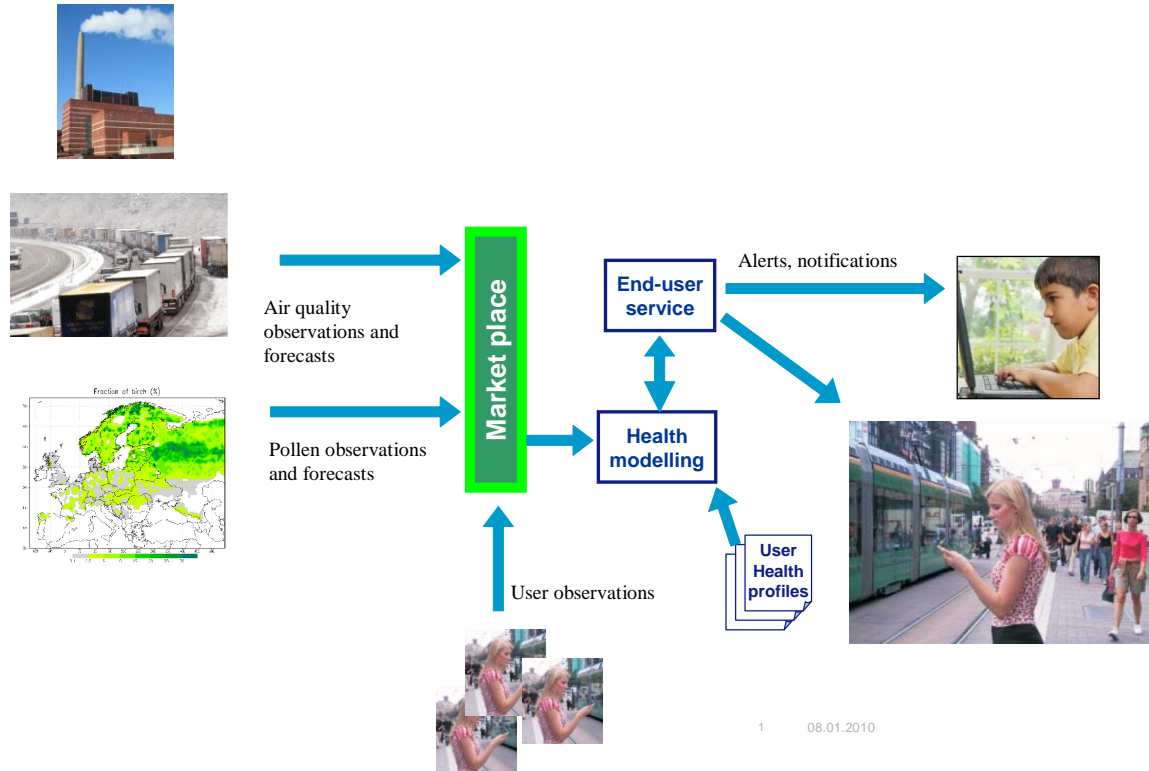


Flexible Services

Marketplace Architecture

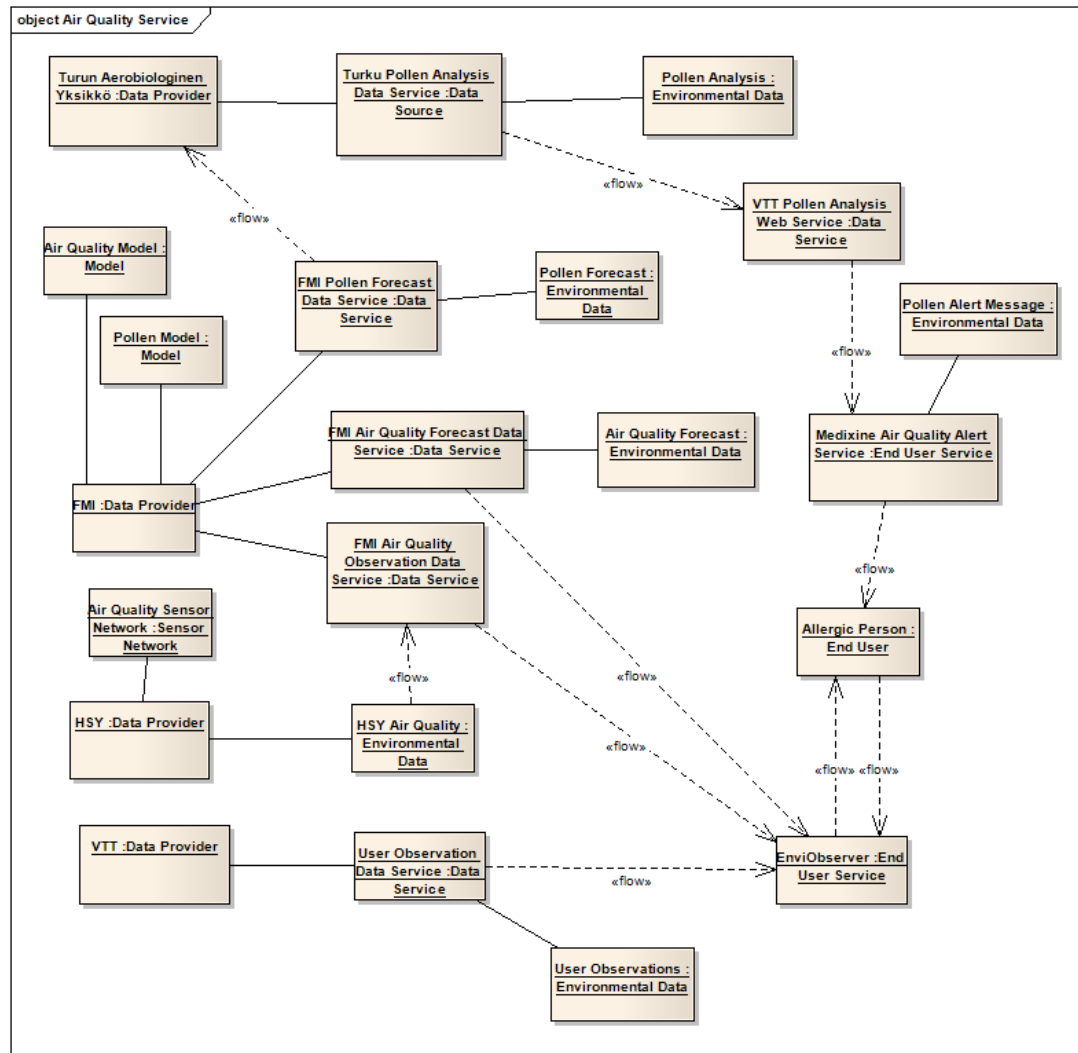


Pilot: Air quality



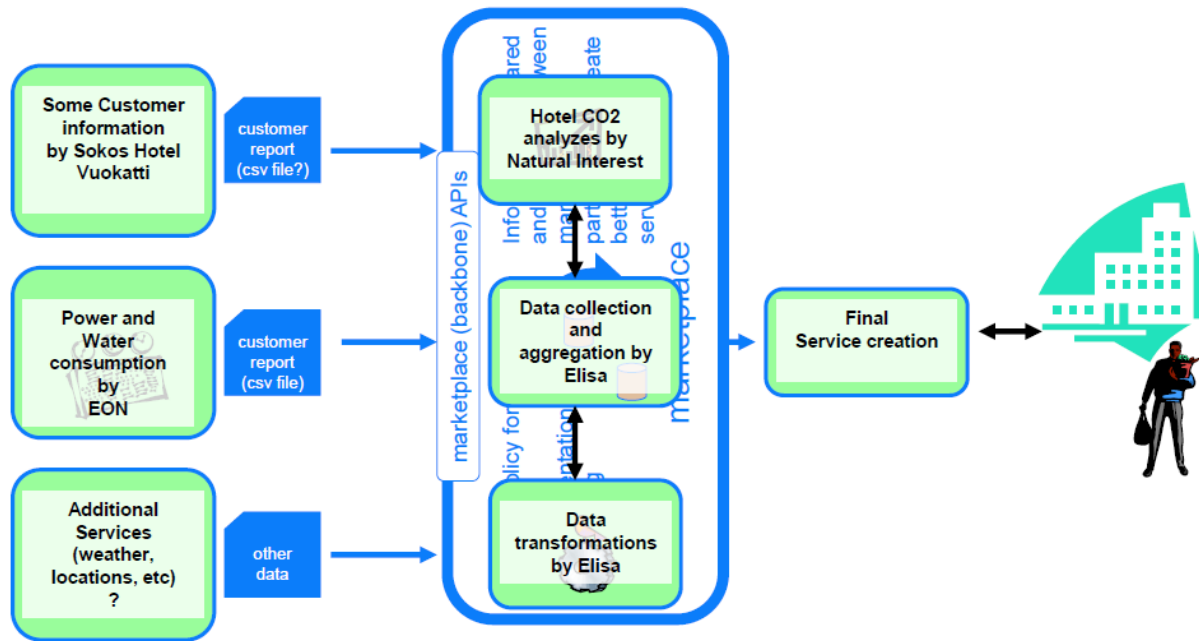
Pilot: Air Quality

service object model: architecture domain model classes



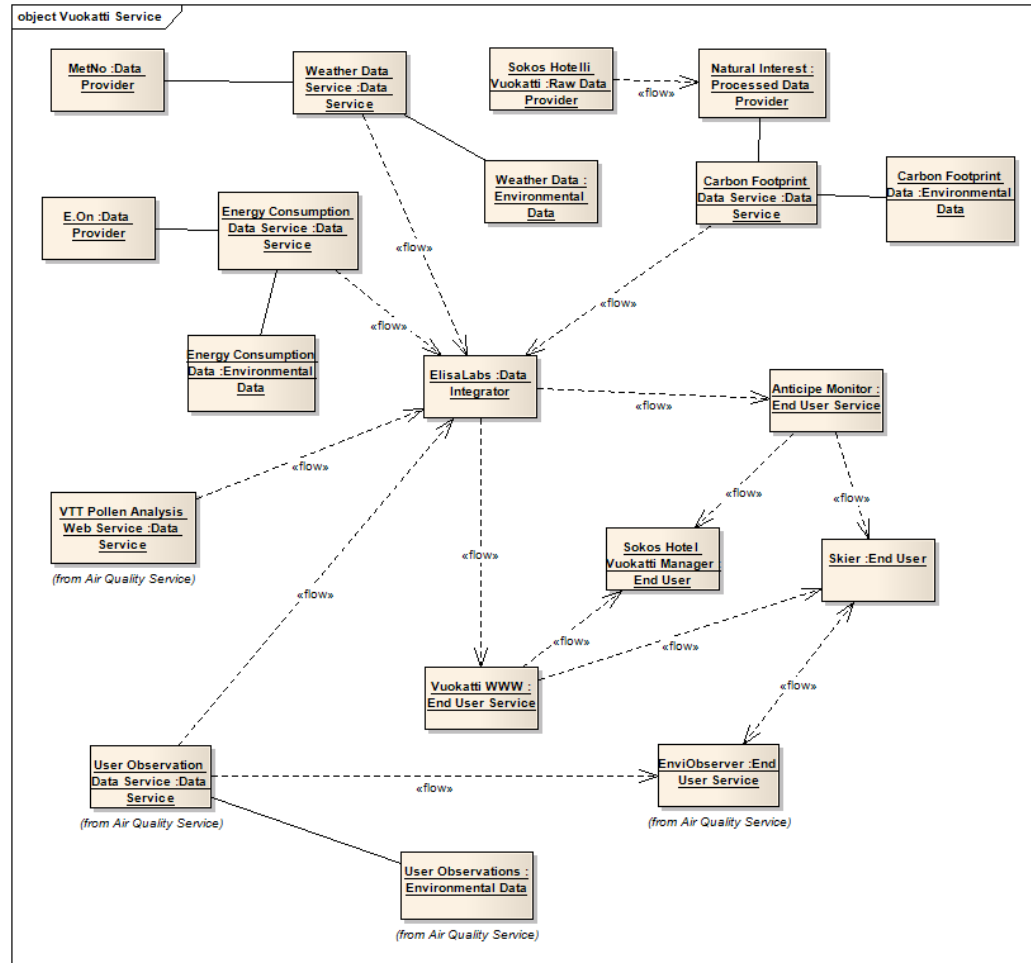
Flexible Services

Pilot: Vuokatti case



Pilot: Vuokatti case

service object model: architecture domain model classes



Service Interfaces

- Since marketplace is information centric interfaces are emphasised
- Catalog Services
 - Find services
 - Publish data service information
 - Modify data service information
 - Remove data service information
- Agreement Manager
 - Announce Contract
 - Accept Contract
- Quality Manager
 - Measures and monitors QoS of services
 - Log and report of Data Service Quality

Environmental Marketplace Architecture

Thank you

Questions?