



DIET4Elders



Dynamic nutrition bEhaviour awareness sysTem FOR the Elders

DIET4Elders

Date (10/09/2014)

The project concept

The current situation

- In Europe more than 15% of the older population is affected by poor nutrition and **malnutrition** caused by the problems of ageing:
 - Decrease in sensitivity
 - Physical difficulties
 - Forgetfulness
 - Other health problems



- There are none/few services that ease the self-feeding activities to the elderly:
 - Doctors and nutritionists monitoring is sporadic
 - The elderly may not understand dietary concepts
 - Usually they don't have any supporting tool when buying food

The idea behind

The idea is not only a food ordering service, the idea is to create a new self-feeding experience for the elderly.

- Healthier diets based on personal profile and activity monitoring
- Nutritional monitoring
- Pseudo autonomously food intake assessment



The idea behind

- Dynamic selection of suitable food providers
- Food ordering based on profiles and nutritional knowledge
- Follow up of prescribed diets and adjustment.
- Reduce the effects of malnutrition on chronic diseases

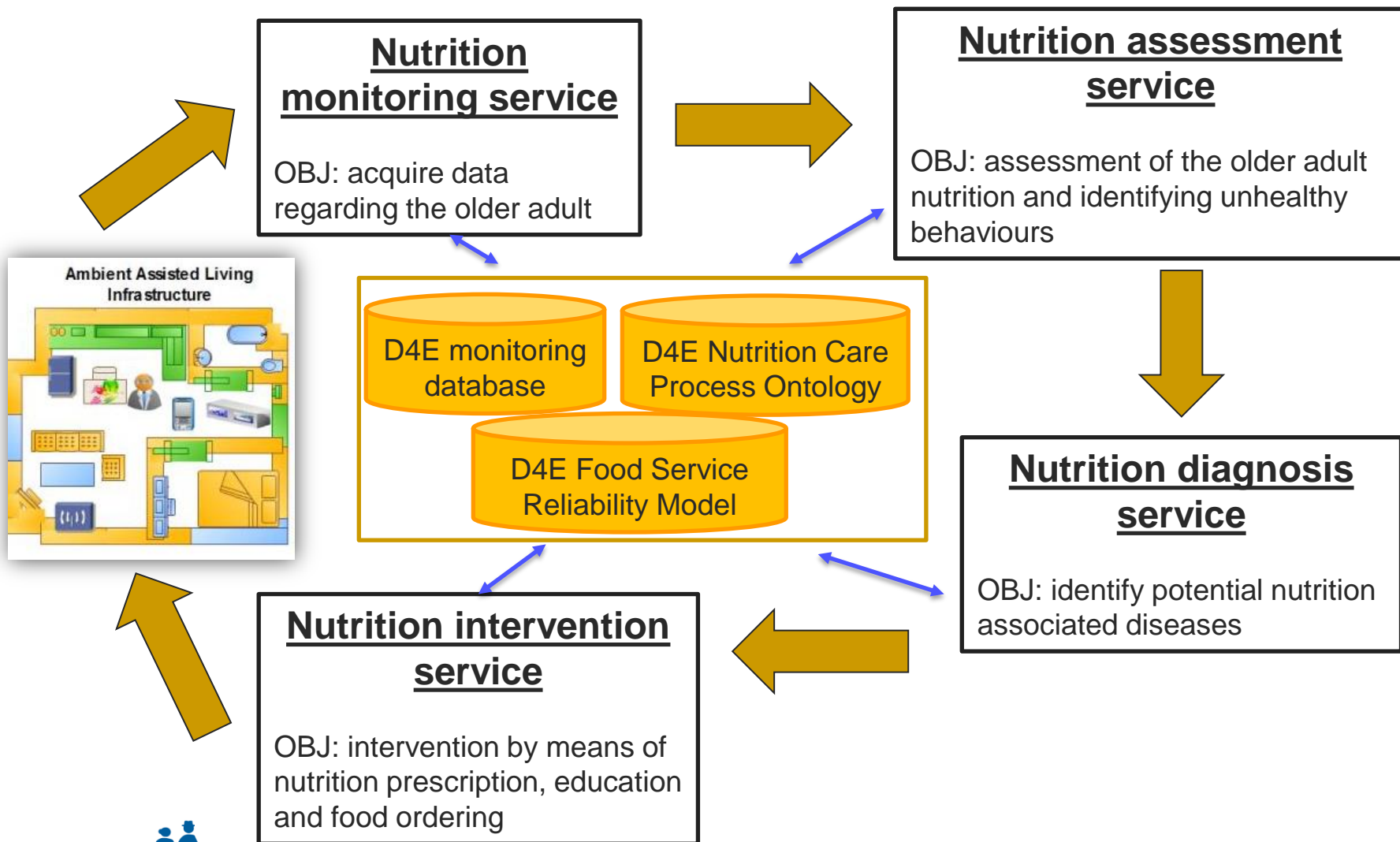
The screenshot shows the 'DIET 4 ELDER' web application interface for a nutritionist. The title 'DIET 4 ELDER' is displayed in orange, with 'Nutricionist' below it. A navigation bar contains buttons for 'Patient' (highlighted in orange), 'Nutricionist diagnosis', 'Intervention mapping', 'Follow up', 'Problem definition', and 'Diagnosis rule definition'. Below the navigation bar, there is a breadcrumb 'Home / Patient' and a search icon with the text 'Search'. A left sidebar lists menu items: 'Personal data', 'Lifestyle information', 'Anthropometry data', 'Biochemistry' (highlighted in black), 'Clinical information', 'Dietary information', 'Type of diet', 'Free Coments', and 'Last ordered food'. The main content area displays a table of clinical data:

Glucose level	5 mmcl/l
Blood pressure	77 mmHg
Heart rate	60 - 80 bpm

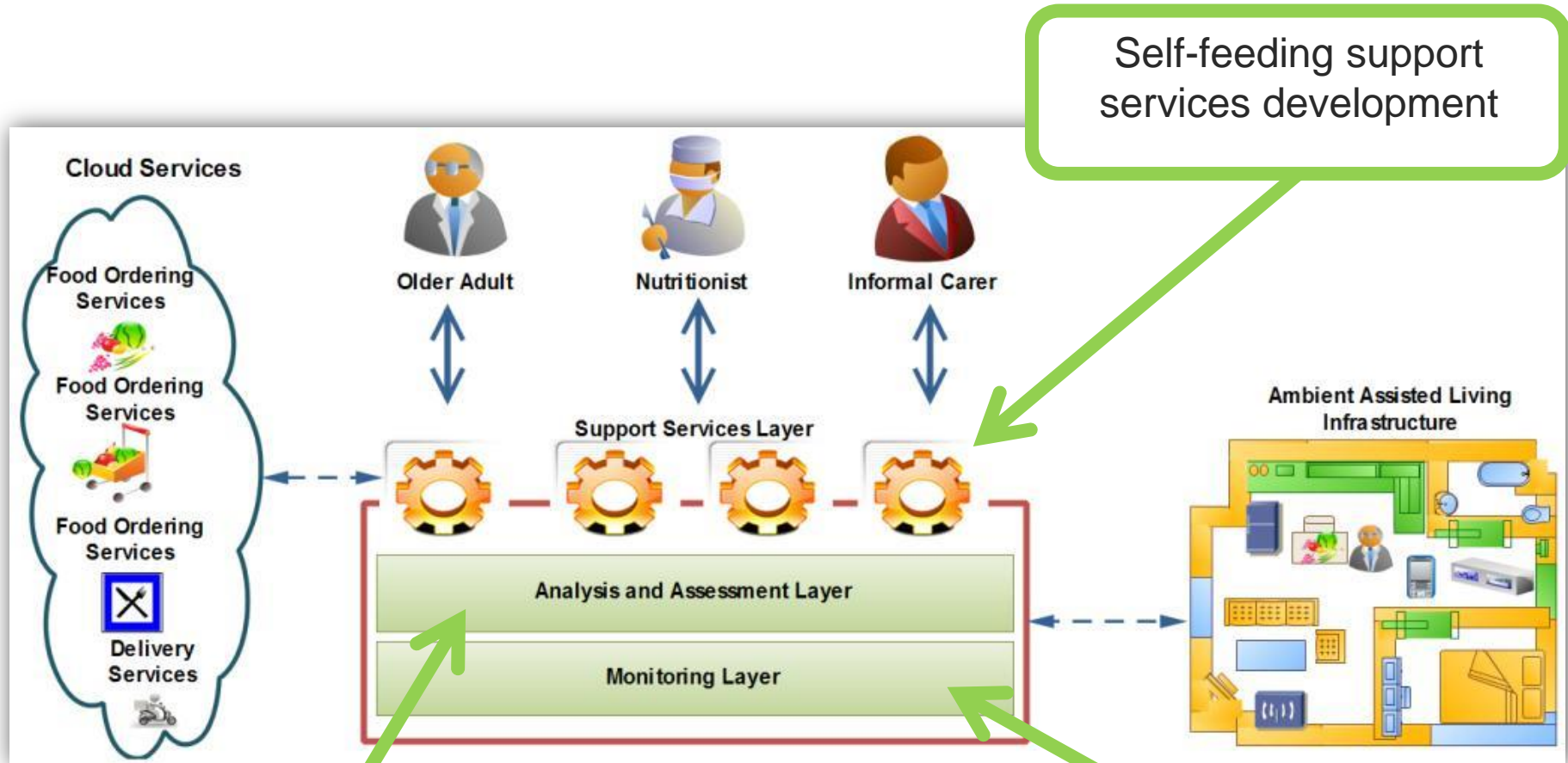
At the bottom of the interface, the URL 'www.isoin.es' is visible.

The structure of the system

The structure: Support Services



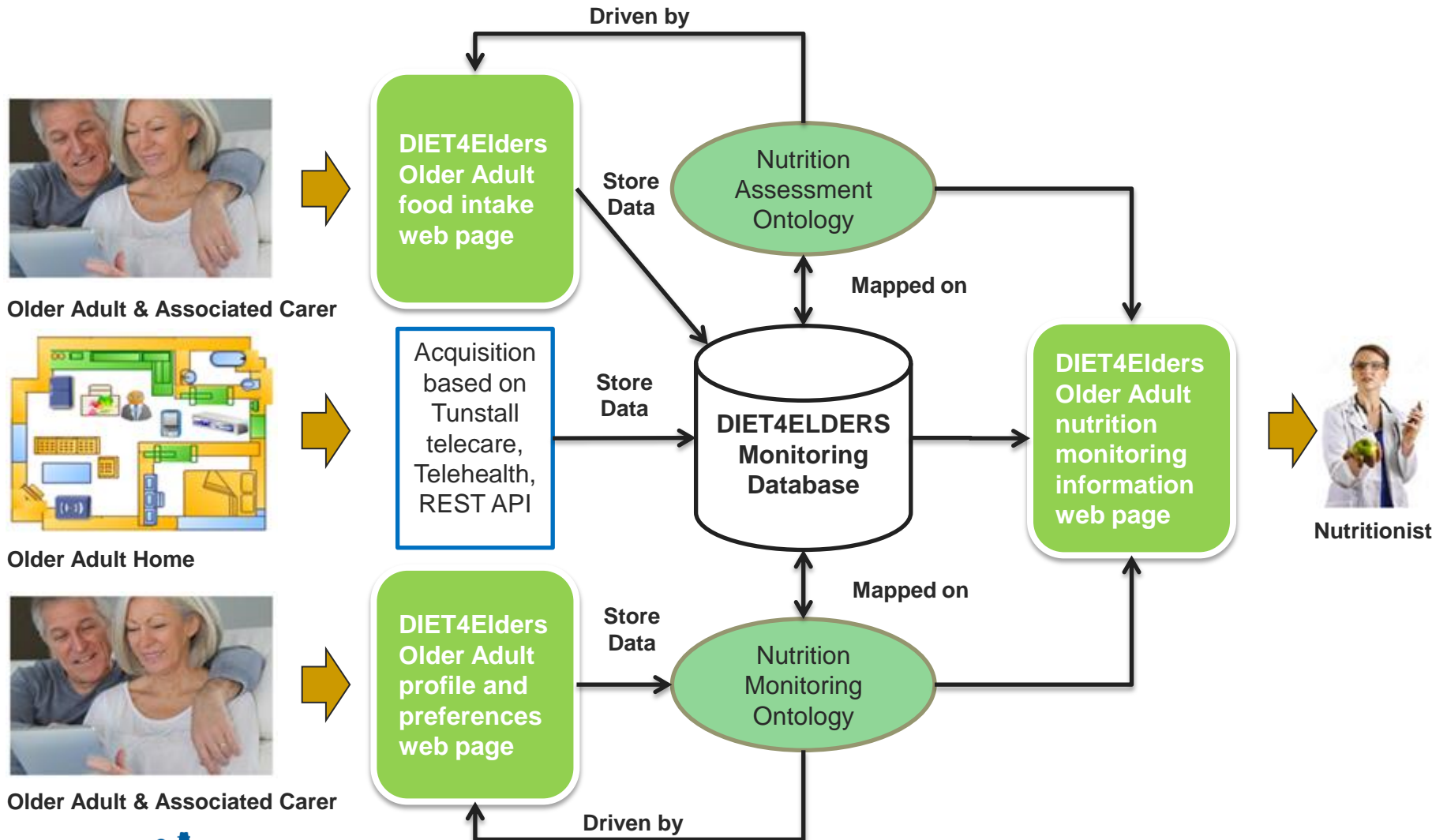
The structure of the system: Overview



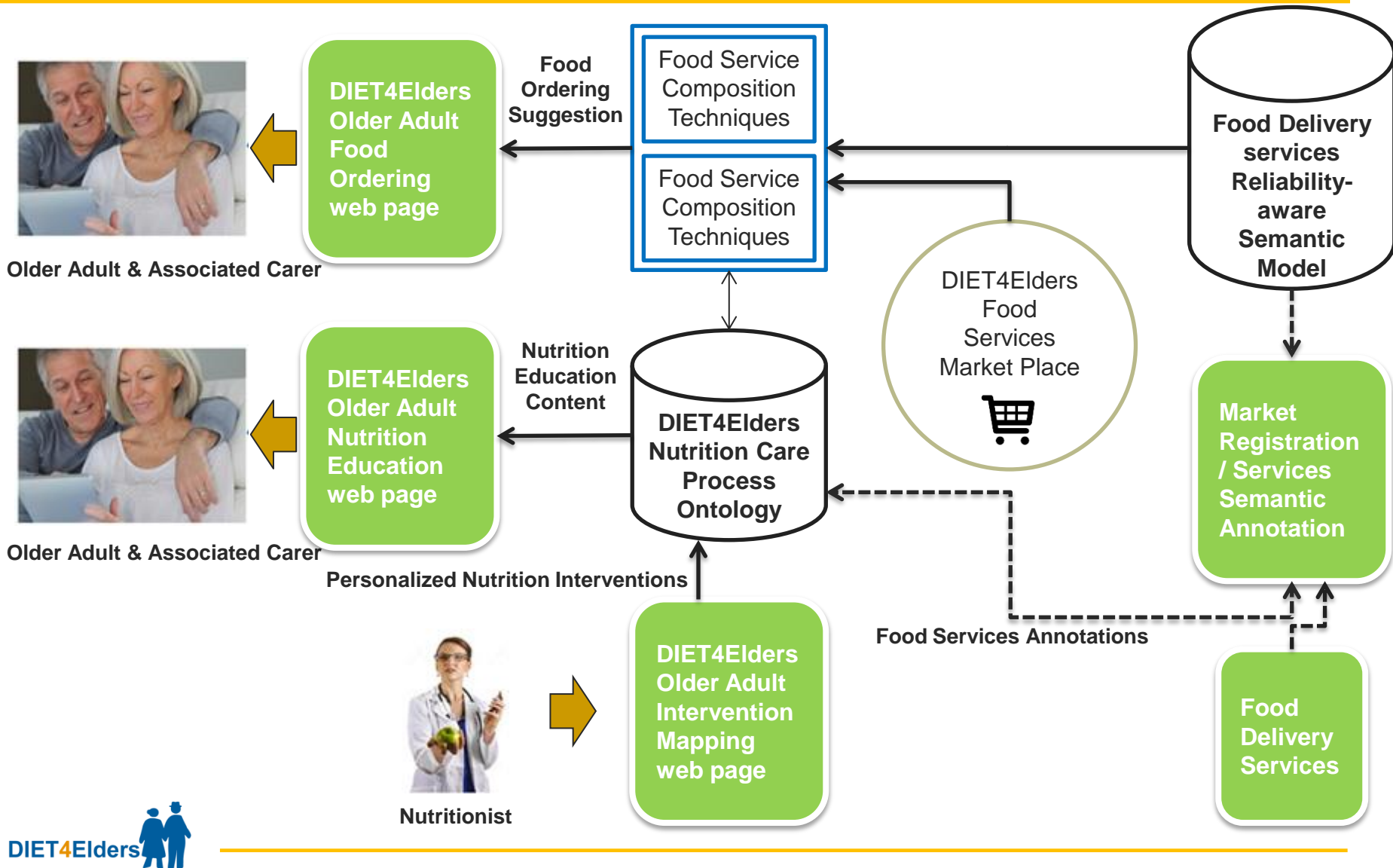
Domain knowledge construction,
Data Analysis and self-feeding
behaviour analysis

Data Monitoring, acquisition and
representation

The structure of the system



The structure of the system



The project services and the users

The users



Elderly



Nutritionists/Doctors



Food companies



Carers

The S&T resources

- Can we build something to solve this situation?

S&T resources

Information and communications technologies

Dietary and medical knowledge

Tools for representing and performing reasoning techniques on the knowledge

An emerging number of food e-services

DIET4Elders

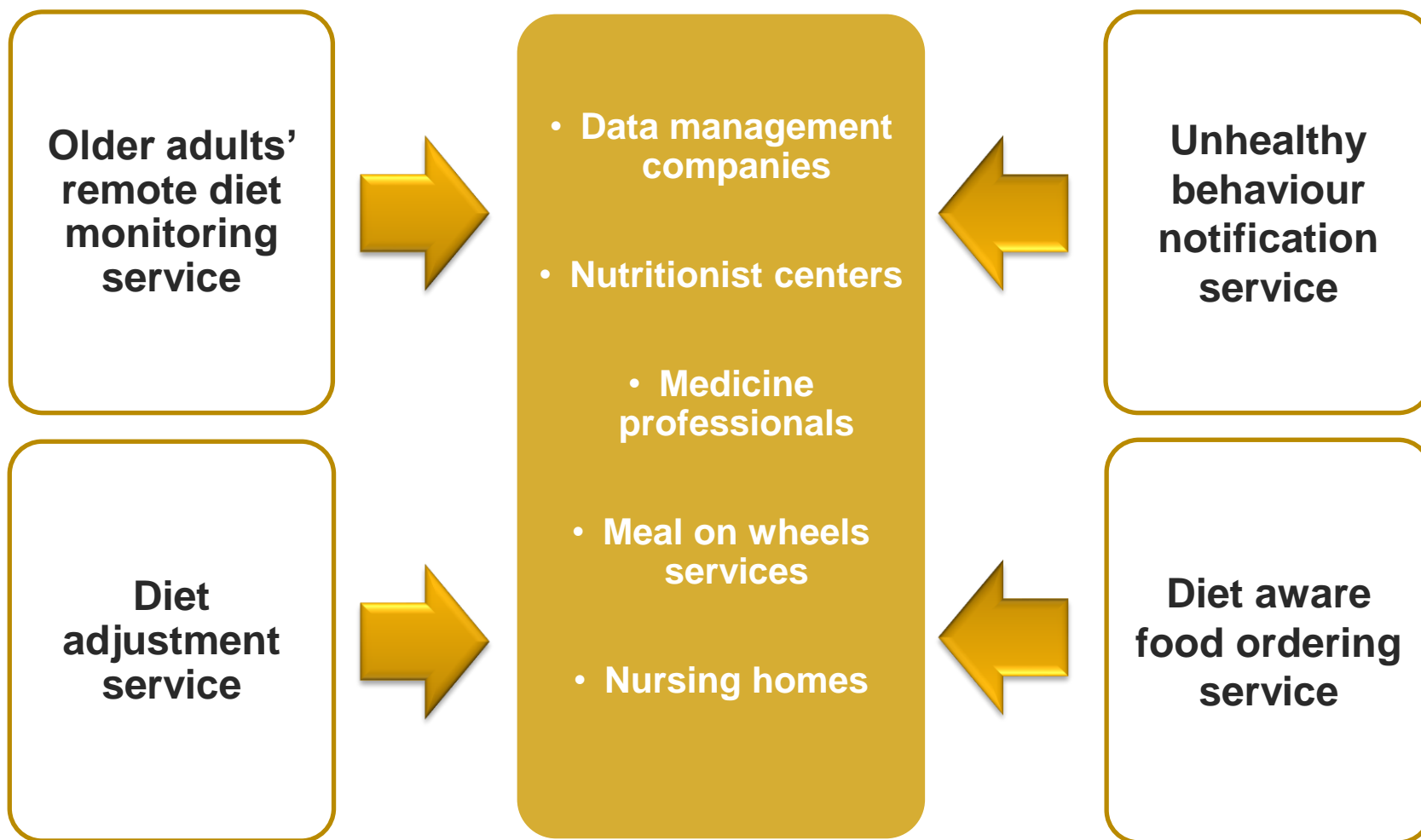
Older adults' remote diet monitoring service

Diet adjustment service

Unhealthy behaviour notification service

Diet aware food ordering service

Services and stakeholders



Thank you for your attention

Questions



Victor Sanchez - ISOIN

vsanchez@iso.in.es

Date (10/09/2014)

