The French Observatory of Food Quality

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• The Oqali project

• The originality of the Oqali database:
  • The Oqali database: at branded product level
  • Application: simultaneous data entry
  • Structure and data

• Data processing for Oqali surveys

• Communication
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The Oqali project

• A recommendation of the French National Nutrition and Health Programme 2006-2010, a nutrition-based programme aimed at improving public health:
  ➢ The monitoring of the evolution of the quality of French foodstuffs is required

• The French Observatory of Food Quality (Oqali):
  - set up in 2008
  - publicly financed
  - implemented by:
    - The French Food Safety Agency (AFSSA)
    - The French National Institute for Agronomic Research (INRA)
The Oqali project

• Oqali objectives:
  - To centralize nutritional data on branded processed foodstuffs, taking into account socio-economic parameters such as:
    - types of brand (national, retailer, discount brands and store brand-low price products)
    - market shares and prices
  - To monitor the global nutritional and labelling changes in the food supply (nutrient content, ingredients, serving size, claims, ...)

• Collaborations with manufacturers and retailers by food category are essential:
  - To facilitate data collection
  - To establish a relevant food classification
  - To identify the relevant nutrients to study
  - To validate the methods used to analyze data
  - To determine the frequency of the monitoring

• Agreements with retailers to take pictures of the studied products.

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The originality of the Oqali database: at branded product level

French reference Food Composition Database (AFSSA-CIQUAL)
- 3 600 Generic foodstuffs
  Collected data:
  - Component contents (Energy, protein, fats, carbohydrates, sugars, fibre, lactose)
  - Other nutrition information
  - Economic data

Online composition table
(on 1 300 generic foods and 37 components)
in French and English
ww.afssa.fr/TableCIQUAL/

The Oqali application: simultaneous data entry

- Step 1: Intermediate Access database
- Step 2: Development of the Oqali application (operational at the end of 2009)

Simultaneous access of both teams on the Internet

Oqali Application (Mysql language):
1. Data capture forms
2. Requests
3. Thesauri

Data processing for Oqali Survey

Database on branded product level: no general public access
- To guarantee data confidentiality
# Structure and data of the Oqali database

## Analyses
- Samples description (code, name, composite or simple) year
- Sampling plan number
- Generic food item code
- Food category
- Type of brand
- Component code
- Laboratory
- Analytical method
- LOQ

## Product sheets
- Branded product (code, name, brand)
- Years
- Food category
- Type of brand
- Generic food code
- Former product code (with the changed parameter(s))
- Links to photographs (quality control and traceability)
- Serving size
- Pack size
- Bar code
- Nutrition guidelines
- Dietary intake guidelines
- Quality labels or other indications (without GMO, organic food, ...)
- Material of the packaging
- By source (packaging, and /or professionals)
- Nutrition and health claims
- List of ingredients
- Nutrient contents (per 100g or 100mL or serving)
- Documentation

### Compatible with Oqali and Ciqual databases

### Studies by food category and type of brand

### Monitoring of the evolutions of products

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- Food categories studied in 2008:
  - 707 fresh dairy products, 355 breakfast cereals, 1118 biscuits.

- Data processing by food category and type of brand (national, retailer, discount brands and store brand-low price products):
  - Calculation of frequencies of information provided on the packaging (type of nutrition labelling, claims, nutrition guidelines, dietary intake guidelines)
  - Analysis of the nutritional variability
  - Monitoring of composition and labelling changes over time

Data processing for Oqali surveys

- Development of new methodologies
  - Definition of food classifications based on nutrient composition, ingredients (e.g., whole-milk, skimmed-milk ...) or food-processing
  - Assessment of nutritional variability and evaluation of the number of samples or the required data to detect a significant evolution of the food composition
  - Identification of the required statistical tests according to the types of collected data (e.g., to detect evolutions in the means or the distributions of nutrient contents in a food category)
Data treatments for Oqali surveys

• In 2009 and 2010:
  – Improvement of the market coverage of the food categories already studied
  – Integration of new food categories:
    – Processed fruit products (stewed fruit, jams, canned fruit)
    – Bakery products
    – Chocolate products
    – Meat products
    – etc

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Communication on the Oqali project

- Leaflets
- Oqali website: http://www.oqali.fr
  - Translation in English in progress
  - Free download of annual reports and food category surveys
  - To contact Oqali teams: oqali@ivry.inra.fr and oqali@afssa.fr

Oqali abstracts or publications:
The French observatory of food quality, R. GOGLIA, M SPITERI, C MENARD, B LABARBE, P COMBRIS, L. VOLATIER, Eurofi, Vienne, 2009
The French observatory of food quality, R. GOGLIA, C MENARD, L. VOLATIER, ICN, Bangkok, 2009

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THANK YOU FOR YOUR ATTENTION

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