

  **Oqali** French Observatory of Food Quality

# Oqali

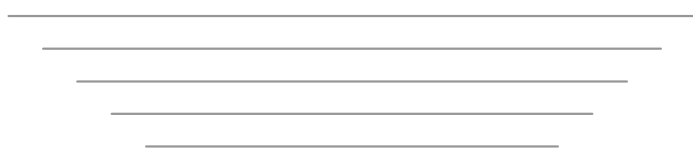
The French Observatory of Food Quality

**8th International Food Data Conference**  
IFDC\_Bangkok\_ 1-3 October 2009

Céline MENARD  
Afssa\_Ciquai  
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 **MINISTÈRE DE L'ÉCONOMIE DE L'INDUSTRIE ET DE L'EMPLOI**  **MINISTÈRE DE L'ALIMENTATION DE L'AGRICULTURE ET DE LA PÊCHE**  **MINISTÈRE DE LA SANTÉ ET DES SPORTS** 



**Contents**

- 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:	
➤ <b>The monitoring of the evolution of the quality of French foodstuffs is required</b>	
• 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)	





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### 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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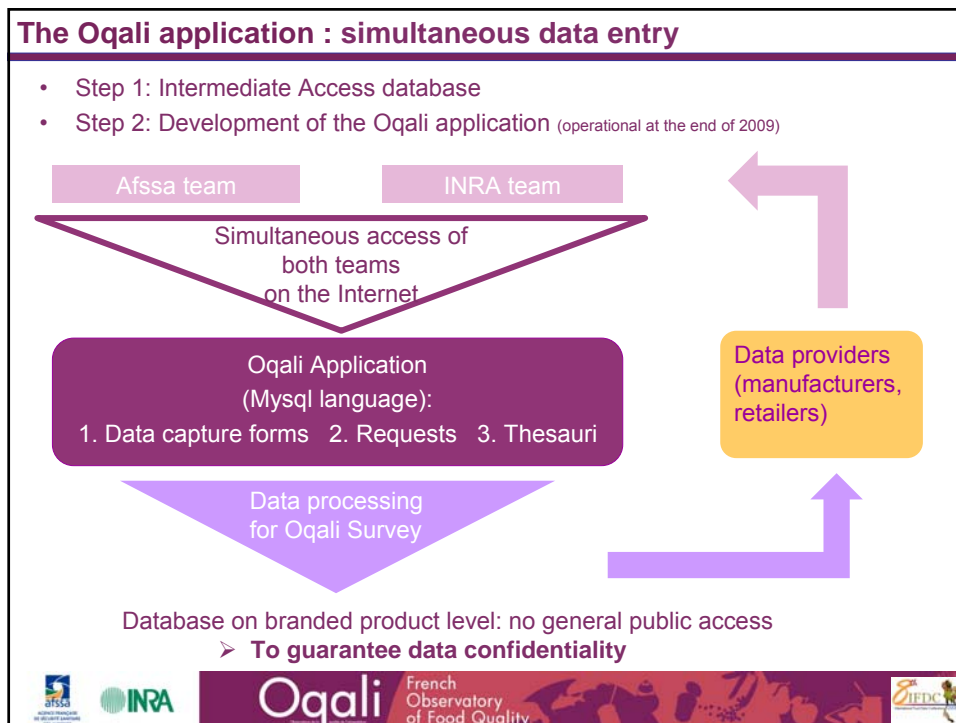
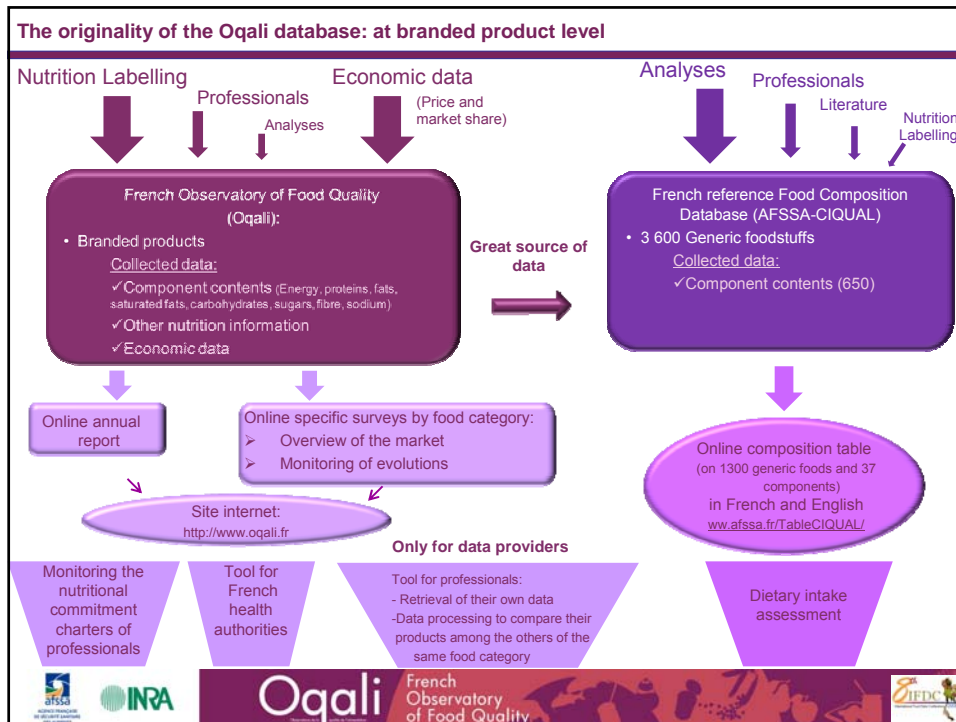
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### Structure and data of the Oqali database

Analyses	Product sheets
<p>Samples description (code, name, composite or simple) year Sampling plan number Generic food item code Food category Type of brand</p> <p>Sample identification</p>	<p>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)</p> <p>Product identification</p>
<p>Component code</p> <p>Component identification</p>	<p>Serving size Pack size Bar code Nutrition guidelines Dietary intake guidelines Quality labels or other indications (without GMO, organic food, ...) Material of the packaging</p> <p>Labels information</p>
<p>Laboratory Analytical method LOQ</p> <p>Documentation</p>	<p>By source (packaging, and /or professionals) Nutrition and health claims List of ingredients Nutrient contents (per 100g or 100mL or serving)</p> <p>Nutritional data</p>
<p>&gt;Compatible with Oqali and Ciqual databases</p>	
<p>&gt;Studies by food category and type of brand      &gt;Monitoring of the evolutions of products</p>	

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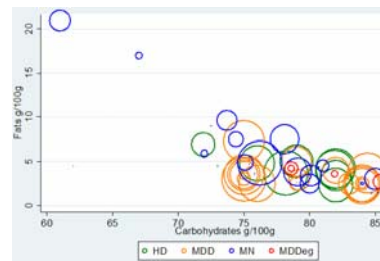
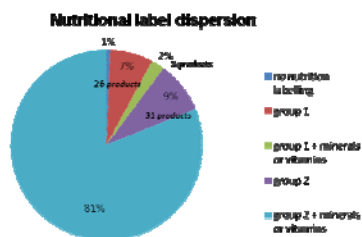
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### Data processing for Oqali surveys

- 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

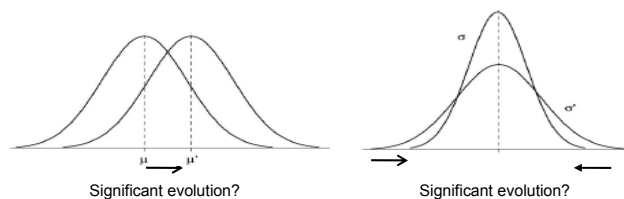


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### Data processing for Oqali surveys

- 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)



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## 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](mailto:oqali@ivry.inra.fr) and [oqali@afssa.fr](mailto:oqali@afssa.fr)



**Oqali abstracts or publications:**  
**The French observatory of food quality, R GOGLIA, M SPITERI, C MENARD, B LABARBE, P COMBRIS, LG SOLER, JL VOLATIER, Eurofir, Vienne, 2009**  
**The French observatory of food quality, R GOGLIA, C MENARD, LG SOLER, JL VOLATIER ICN, Bangkok, 2009**



# THANK YOU FOR YOUR ATTENTION



From left to right:  
 1<sup>st</sup> row: Jean-Luc Volatier (Afssa), Céline Dumas (Afssa), Céline Ménard (Afssa), Christine Boizot-Szantai (Inra), Malwenn Devay (Afssa), Nadège Cillot (Afssa).  
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