

## Identifying new innovative uses of food composition data

8<sup>th</sup> International Food Data Conference

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1 - 3. October, 2009, Bangkok



### Aims

#### Identification and characterization...

- Of (new) users of food information and their needs
- Of new, innovative uses of food information and interfaces or applications based on innovative technologies



15.10.2009

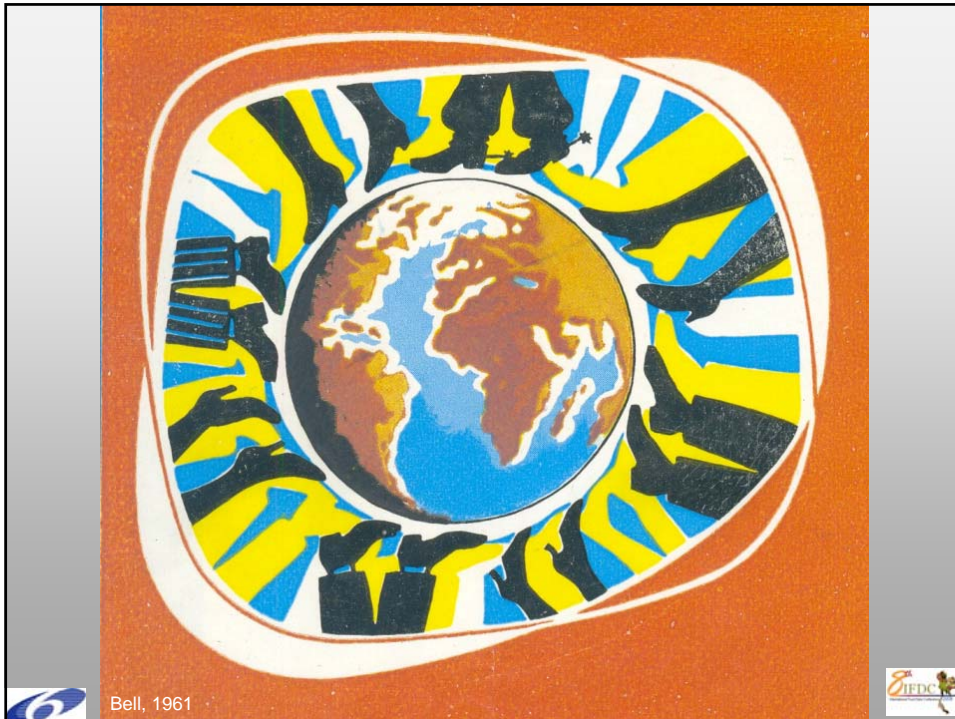
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## EuroFIR eSearch Facility

Simultaneous online search in national and specialized food composition databases

**EuroFIR** eSearch Prototype

Search > Foods > Details

The following information was found. The table can be exported to Excel

Energy	Proximates	Fat	Carbohydrates	Sugars	Organic acids	Polyols	Fat sol. vitamins	Water sol. vitamins	Macro
Id	Dataset	English name	FAT						
IS624	PT INSA FCDB 2008	Avocado	10.5 g						
14-037	UK CoF IDS	Avocado, average	19.5 g						
007490	IT INRAN FCDB 2000	AVOCADO, FRESH	23.0 g						
13004	FR AFSSA FCDB 2008	Avocado, pulp, raw	13.9 g						
09038	USDA SR20	Avocados, raw, California	15.41 g						

All contents are per 100g edible portion unless otherwise stated. A blank field (cell) means that the information was not provided in the dataset.

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## Better Eating: Making Life Easier

**Nutrition consultation software for Nintendo DS & Apple iPhone**

- Aim: Better eating and feel better!
- 35 lessons for a better nutrition are **playfully** learnt
- 100 **recipes** for breakfast, lunch and dinner
- Daily planner enables individual dietary goals and **objective scrutiny**

**Bunter Fruchtsalat**

170 kcal  
3 g  
2 g  
31 g  
15 min.

Zutaten  
Anleitung  
In Speiseplan eintrag  
In Einkaufsliste eintra

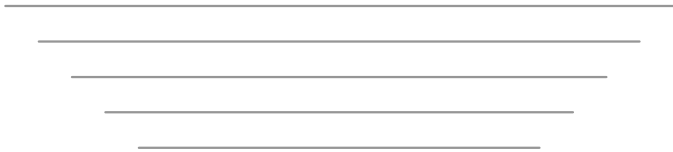
**Julia**

weiblich - 21 Jahre  
62 kg - 167 cm  
BMI: 22.2  
Ziel: 60 kg

**Tagesübersicht**

Verplant	Bedarf
950 kcal	1576 kcal
52 g	59 g
45 g	52 g
80 g	216 g

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## The Cookery Course for Nintendo DS Lite

**Kochkurs™**  
Was wollen wir heute kochen?

Etwas für jeden Geschmack!

Über den Nintendo DS

**Was soll ich kochen?**

Der „Kochkurs“ enthält 250 Rezepte aus aller Welt, die hier von den Meisterköchen der Tsuji Academy zubereitet wurden.

Dank der riesigen Auswahl an leckeren Gerichten und der benutzerfreundlichen Suchfunktionen werden Sie in kürzester Zeit etwas finden, das Ihnen das Wasser im Munde zusammenlaufen lässt.

Praktische Auswahl

Internationale Küche

**Gericht des Tages**

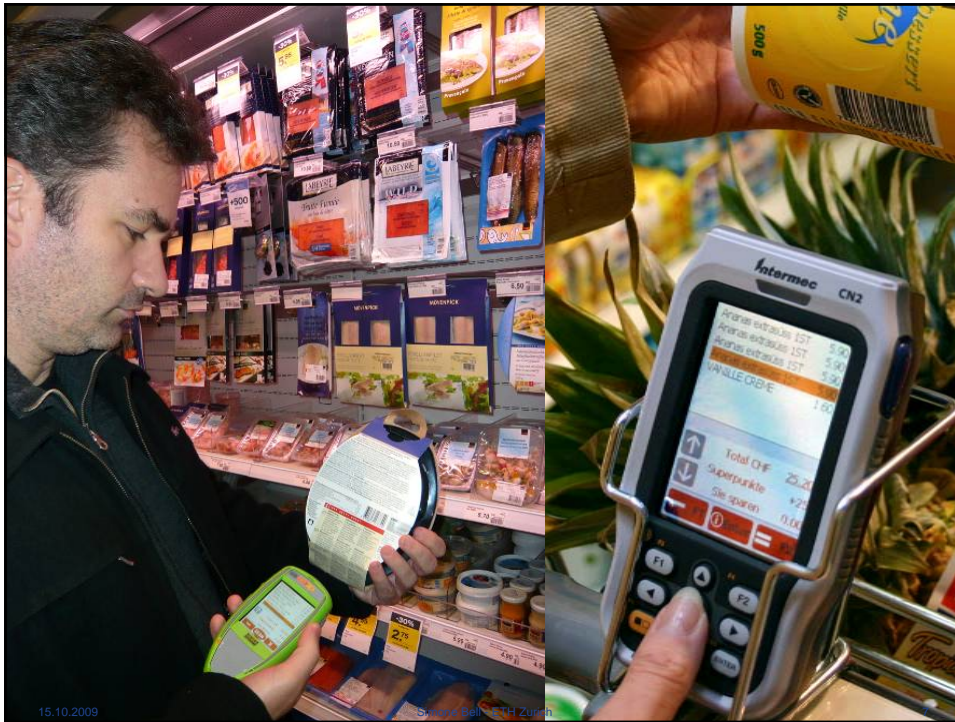
**24**  
Sep

Anregende Zutaten

Home Hilfe in der Küche Was soll ich kochen? Küchen-ABC FAQ

Source: [http://www.nintendo.de/NOE/de\\_DE/games/nds/kochkurs\\_was\\_wollen\\_wir\\_heute\\_kochen\\_7960.html](http://www.nintendo.de/NOE/de_DE/games/nds/kochkurs_was_wollen_wir_heute_kochen_7960.html)

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## Food Information and Catalogues

- Data linking with the library catalogues or even data search directly within the library catalogues...

Catalogues?

Digital Ressource



Nährstoffgehalt pro 100 g essbarer Anteil	Einheit	Erfindl.	Nichtlfdl.	Quantil	Quelle
Energiegehalt					
Cholesterin	mg	1.52	0	1	2
Kohlenhydrate	g	9	2	2	2
Protein	g	17.1	0	AG	A
Faser	g	0	0	2	2
Wasser	g	26.0	0	52	5

Vitamin	Einheit	Erfindl.	Nichtlfdl.	Quantil	Quelle
Vitamin A (Retinol)	µg	AG	A	2	2
Beta-Carotin (Retinoläquivalent)	µg	2	C	250	
Vitamin B2 (Riboflavin)	mg	AG	A	2	2
Vitamin B6 (Pyridoxin)	mg	AG	A	2	2
Vitamin C (Ascorbinsäure)	mg	AG	A	2	2
Vitamin E (Tocopheroläquivalent)	mg	AG	A	2	2
Niacin	mg	AG	A	2	2
Thiamin	mg	AG	A	2	2
Vitamin K	µg	AG	A	2	2

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**Falk M-Holiday**

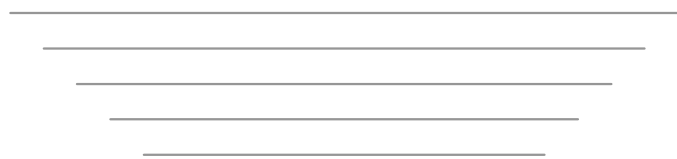
**Mobility and total location independency**

- Travel guide and navigation system combined
- Categories: amongst others „Food & Beverages“
- Restaurants, cafés, bars

*Why not food information as well?*



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**Conclusion & Outlook**

- Successful management of food information requires **multidisciplinary functioning** and **constant monitoring** of the market and consumers
- Publication of food information and data supply should be accompanied by **communication** and **consumer-friendly education**
- Implementation of European **standards**, international **networks** and **data linking** are crucial
- Technology is **already available** and provides a **fast, uniform** data transfer
- Improved **data quality** and capturing, as well as **single point of access** and availability of user-relevant data are still needed in the **standardization** of food composition databases

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## Food information

**Develop, exploit and publish it in an understandable and user-friendly manner**



