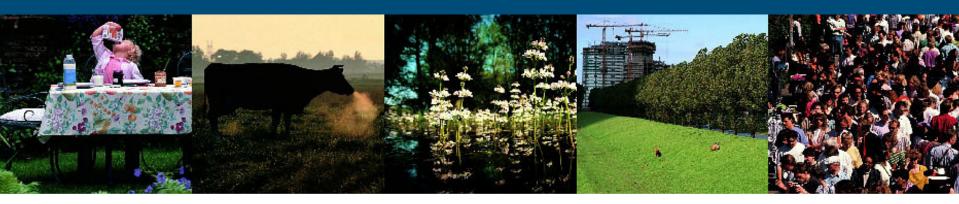
Restaurant of the Future

"Really understanding consumer behaviour"

Visit Cofresco 21-10-08

Dick Stegeman





Restaurant of the Future is....



A normal university cafeteria?



Look inside...



Consumers being observed



Drawbacks of current methods Why a new approach

- Almost 90 % of new food products have a life span of less than one year and the flop rate has been growing steadily
- Too many questions, too little observation of actual behaviour
- Too many single first impression preference tests, too little attention to changes in preference over time and situations
- Too little attention to the role of incidental learning and implicit memory in food expectation and food memorability
- Too little attention to the role of satiety on perception and liking
- Segmentation of consumers merely based on typologies and attitudes than on situation and behaviour

The interplay between product, individual and situation has hardly been studied



Restaurant of the Future: joint investment project

- Consortium: university, large enterprise, two SME's
 - Wageningen UR: University/contract research organisation
 - Sodexo: World second largest foodservice company
 - Noldus IT: Software tools for observational research
 - Kampri: Professional kitchen manufacturer
- Budget: \$ 4,75 million
- November 2004: Consortium agreement signed
- October 2007: official opening Restaurant of the Future
- Third parties can join through research foundation: in July 2008, already 38 participants









RoF: investment project Reasoning

- Food choice is predominant subconscious behaviour
- Discrepancies between what people tell you what they will do and what they are actually doing
- Traditional methods of consumer research (interviews, surveys, focus groups) thus have limited value, hence the measurement of food selection and consumption when and where it occurs ->
 - observation of consumers in naturalistic context as prerequisite for product development and market introduction









RoF: a multi purpose research lab ...

- A fully equipped sensory laboratory and kitchen
 - 16 cabins, incl. physiological sensors and face reading camera's
- A product development unit
 - Development kitchen with an adjacent panel room for individual testing and group discussions
- A fully equipped company restaurant and experimental kitchen
 - 200 regular visitors, 14 camera's, automatic registration systems
 - to develop and test new preparation techniques incl. molecular cooking



RoF: a multi purpose research lab cont.

- A set of 4 identical rooms for situational studies
 - Variation of ambient odour, lighting, temperature, furniture
 - To study effects on eating behaviour, emotions, well being, and/or performance
- A psychological and physiological laboratory
 - EEG registration, olfacto and gusto meter, articulograph, eye tracking
- A café and bar
 - Parties up to 50 people, camera's, variation of furniture, lighting, wall and ceiling projection

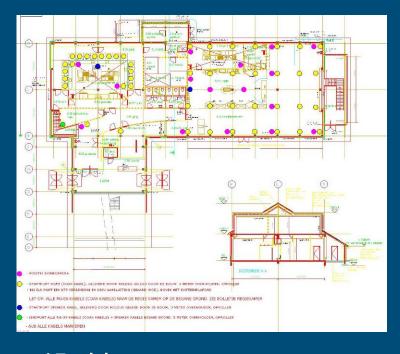
All rooms are equipped with video camera's



The Restaurant of the Future: a living lab



- Company restaurant
- Experience lab annex grand café
- Research kitchens
- Sensory laboratory
- Mood rooms
- Physiological labs



- 45 video cameras
- 7 video analysis workstations
- 3 kms of cabling



Observational research: big brother in action...



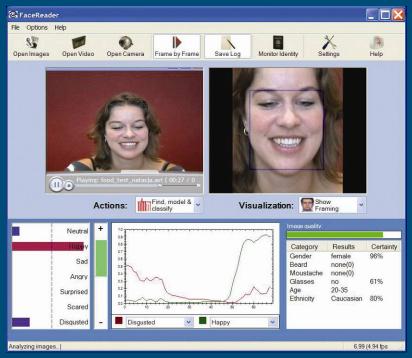
 Observe food choice and consumption – 480 guests signed an informed consent



 Study effects of ambient variables on long term behaviour



Sensory and physiological research



 Measuring physiological and emotional responses



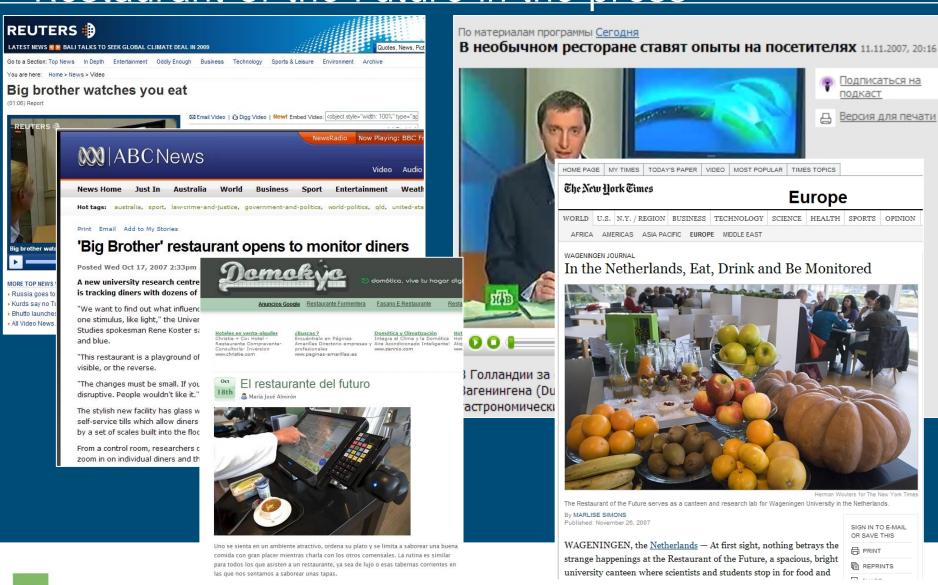
 Study multimodal effects of food odor, taste and texture



Restaurant of the Future in the press

VAGENINGEN UR

For quality of life



Thank you for your attention

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