

Policy Brief

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DREAM

Design and development of REAListic food Models with well-characterised micro- and macro-structure and composition

Summary

Quality food, that is at the same time safe and healthy, prepared in a suitable and ethical manner and whose prices are affordable is probably one of the most seeking characteristics in food production area. To come along with these demands the DREAM project, whose overall goal is to develop food models, is being set up. DREAM will foster common approaches in food science and integrate scientists of different disciplines, manufacturers and other stakeholders. It will help the food industry to develop added-value food products, targeted at consumer needs and competitive in national, regional and global markets.

What is DREAM

DREAM – Design and development of REAListic food Models with well-characterised micro- and macro-structure and composition, is an EU-funded Research & Technological Development Project lead by the INRA (Institut National de la Recherche Agronomique), France.

The overall goal

The overall goal of DREAM is to develop realistic, physical and mathematical food models to be used as standards that can be exploited across all major food categories to facilitate development of common approaches to risk assessment and nutritional quality for food research and industry.

Scientific approach and methodology

The scientific and conceptual framework of the project was set up by the senior researchers and experts from participating institutes. The content areas addressed by the project objectives were developed in a series of workpackages which focus on the development of food models, project management and dissemination of expected project outcomes.

New knowledge and European added value

The project provides a basis for extending the knowledge in:

- Food science: progress in knowledge on: food processing-structure relationships, food structure-function relationships, food safety and bioavailability.
- Food modeling: progress in numerical modeling, progress in realistic model foods.
- Technology transfer

Expected results & impact

The expected results and impacts will be shown as progress in food science, food modeling and technology transfer.

Project identity

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