

## WHAT IS RISK-BENEFIT ASSESSMENT?

Human diet leads to public health benefits and potential risks. The balance between risks and benefits is of interest to food authorities developing food policy and consumer advice, to businesses developing new food products, and to consumers considering dietary changes.

The new approach of Risk-benefit assessment (RBA) intends to estimate the overall impact of food consumed on human health by assessing benefits and risks associated with exposure (or lack of exposure) to a particular food or food component or diet and by integrating all into a comparable measure.

Within the EU, the RBA methodologies are far from being developed, representing a research gap needing attention from academics, researchers and policy makers.

The aim of this project is to strengthen the EU capacity to perform RBA in foods, considering risks and benefits in the areas of microbiology, nutrition and chemistry, through the development of a harmonized framework that will be available to EU member states organizations.



## RISKBENEFIT4EU/TEAM MEMBERS

RiskBenefit4EU is funded by EFSA and coordinated by the National Institute of Health Dr. Ricardo Jorge (INSA), in a joint initiative of 5 organizations from 3 EU member states:

Instituto Nacional de Saúde  
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U. PORTO



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## RISKBENEFIT4EU

Partnering to strengthen  
the Risk Benefit Assessment within  
EU using a holistic approach

Partnering Grant Project

Funded by European Food Safety Authority



## RISKBENEFIT4EU/OBJECTIVES

To promote European capacity building on food RBA (risk-benefit assessment)

To develop RBA tools that can estimate the overall health effects of foods, food ingredients and diets

To develop a harmonized framework for RBA that can be applied to data from different countries

To validate the generated framework through the application to a case study

To disseminate and promote the harmonized framework to potential EU users



Kick-off meeting at EFSA, Parma, Italy, 17<sup>th</sup> January 2018



## PROJECT ACTIVITIES

Project Activities will include training (where project partners will transfer and exchange knowledge), research (framework development and its application to a case study), dissemination and promotion activities (through web-site dissemination, publications and international conference organization).

The harmonized framework to be developed and applied will take advantage of previous partners' expertise on different domains that are considered essential for RBA, such as food consumption and food contamination data, risk assessment and health-impact assessment. This tool will allow a Risk-Benefit optimization regarding diseases prevention and public health promotion.

## RiskBenefit4EU | Partnering to strengthen the risk assessment within EU using holistic approach

**Task 1:**  
Project management and coordination

**Task 2:**  
Capacity building & Framework development

**Task 3:**  
Framework application

**Task 4:**  
Sustainability and dissemination activities

**Task 5:**  
Quality assurance and impact evaluation

**Task 1** Management and coordination activities. Coordinated by the National Institute of Health Dr. Ricardo Jorge IP, Lisboa (INSA, Portugal).

**Task 2** Capacity building activities and framework development. Coordinated by the Institut National de Recherche Agromique, Paris (INRA, France).

**Task 3** Application of the generated framework to a case study on cereal-based foods including the three components – microbiological, nutritional and toxicological. Coordinated by the National Food Institute, Technical University of Denmark, Lyngby (DTU, Denmark).

**Task 4** Sustainability of the generated capacity building and dissemination activities. Coordinated by the National Institute of Health Dr. Ricardo Jorge IP, Lisboa (INSA, Portugal).

**Task 5** Quality assurance and impact evaluation of project activities. Coordinated by the Faculty of Food Sciences and Nutrition, Porto (UPORTO, Portugal).