



Chance



University of Belgrade
Institute for Medical Research
Centre of Research Excellence in
Nutrition and Metabolism
www.srbnutrition.info

LOW COST TECHNOLOGIES AND TRADITIONAL INGREDIENTS FOR THE PRODUCTION OF AFFORDABLE, NUTRITIONALLY CORRECT FOODS IMPROVING HEALTH IN POPULATION GROUPS AT RISK OF POVERTY

According to 2007 Eurostat statistics, there is a robust need to better understanding the nutritional existing barriers to healthy nutrition of 79 million EU-27 citizens at-risk-of-poverty.

CHANCE project will i) define an innovative strategy based on a socio-economic study of the composition of the most significant EU populations at-risk-of-poverty and ii) verify the relative existing nutritional deficiency via a holistic approach ensured by metabonomics investigations correlating the non-healthy diet to real metabolism alterations.

CHANCE intends to adopt a new multidisciplinary approach, leading to nutritional strategies for the prevention of malnutrition in population groups at risk of poverty.

CHANCE aims at considering a new health-value-added diet as a whole by developing food products which could act in concert.

The synergic collaboration of nutritionists, food chemists, economists and technologists allow a robust strategy to by pass all barriers to healthy nutrition by the lab-scale development of affordable but nutritionally-rich food products, new packaging and portioning.

The R&D activities planned in the enlarged European Union will facilitate a proactive collaboration among food research centers and food processing and packaging SMEs that will be further transferred with the generated foreground.

During the processing of food products, nutrient content and stability will be assessed, then the whole technology process will undergo the examination of the European Committee for standardization in order to ensure consumers - represented by the European Food Information Council- with a controlled quality.

CHANCE nutritional and educational strategies will produce guidelines for European Public Health policy dealing with the prevention of malnutrition in such population groups.

<http://chancefood.org/>

Objectives

- The scientific objective is to deepen the understanding of nutritional criticalities and barriers to healthy food choice which are specifically related to population groups at ROP and to correlate them for modification of the metabolic profile.
- The technological objective is to develop protocols (via economical and environmentally sustainable processes/ technologies) for producing foods and meals having both a high nutritional value and affordability as well as acceptability characteristics for EU low income populations.
- The overall objective is to match the nutritional needs of population groups at ROP with those methodologies suitable for food SMEs and large companies enabling (1) the preparation of healthier, affordable, and (2) tasty meals having a right nutritional balance to converge.

Specific Objectives

- Identification of the main nutritional criticalities as well as those of barriers and promoters to healthy diet and healthy eating actually characterizing populations at risk of poverty.
- Selection of ingredients and raw materials to be exploited for the formulation of new food prototypes (labeled as CHANCE foods within the project only)
- Exploitation of CHANCE foods at two levels: 1) selection of the most suitable (affordable but healthy) food ingredients, and 2) food design and prototypes obtainment (including meals) based on the developed ingredients or other raw materials.

PARTNERS:

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2. Valtion Teknillinen Tutkimuskeskus (VTT) FI
3. University of Leeds (UL) UK
4. Institute for Food Technology of Novi Sad (FINS) RS
5. Københavns Universitet (UCPH) DK
6. Vilniaus Universitetas (VU) LT
7. Budapesti Muszaki Es Gazdasagtudomanyi Egyetem (BME) HU
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9. Consorzio Interuniversitario Risonanze Magnetiche di Metalloproteine Paramagnetiche (CIRMMP) IT
10. Institut Za Medicinska Istrazivanja (IMR) RS
11. European Food Information Council Aisbl (EUFIC) EU
12. Comite Europeen De Normalisation (CEN) EU
13. VALIO Ltd (VALIO) FI
14. Zdravo Organic d.o.o. (ZDRAVO) RS
15. Proteus Gold Kft (LIPÓTI) HU
16. Lietpak (LP) LT
17. Prerada mesa Strand d.o.o. (STRAND) RS

WP1: Identification of population groups at risk of poverty and ways to overcome barriers to unhealthy dietary habits along food chain

WP2: Conversion of nutritional criticality data into targets for new foods

WP3: Nutri-metabonomics to assess the metabolic consequences of critical diets for individuals at ROP

WP4: Development of methodologies for food production and packaging

WP5: Processing scale up and technology optimization

WP6: Technology transfer and test of production

WP7: Communication, Dissemination and Exploitation

WP8: Coordination and Management