

# Brokerage Event

Food Security | Sustainable Agriculture and Forestry |  
Marine, Maritime and Inland Water Research |  
Bioeconomy | KET-Biotechnology |

**Brussels, 15th November 2017**



Sustainable Food Security

## THE RECYCLING OF URBAN BIOWASTE TO ANTIMICROBIALS, CHEMICALS AND BIOGAS

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[www.ncp-biohorizon.net](http://www.ncp-biohorizon.net)

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**CE-SFS-25-2018: Integrated system innovation in valorising urban biowaste**

**Project idea:** develop an integrated system to recycle and valorise urban biowaste for the production of high-value bio-based products

**Novel technological solutions,** including biological, physic-chemical and thermal processes, will be pursued

**RUR-04A-2018: Analytical tools and models to support policies related to agriculture and food**

**Project idea:** develop analytical tools to screen grains in combination with biological treatment to reduce occurrence of Fusarium in cereal grains

**Novel technological solutions,** including physic-tools and bio-products, will be pursued

## **SFS-11A-2018: Antimicrobials and animal production / Rethinking management of health of farm animals**

**Project idea:** develop antimicrobial products and detergents using antimicrobial microorganisms and dairy by-products

KTU expertise: EU Patents

**(1) PROBIOTIC FERMENTED FEED ADDITIVES**

**(2) FERMENTED FEED OF PLANT ORIGIN**

Implementation in JSC 'BALTIJOS BIOTECHNOLOGIJOS' production

## **DT-STS-14-2018: Personalized nutrition**

**Project idea:** establish dietary requirements for the prevention of depression based on screening of emotional response to different foods

**Relevant KTU projects:** "Development of early diagnostic methods of depressive disorder: computer-based screening of emotional responses to different taste of food" (Lithuanian Research Council)

## KTU involvement in related projects:

- 1) SUSMILK (FP7)
- 2) Coordination of ACOUSTICS (ITEA2 Eureka)
- 3) Participation in EMPATHIC (ITEA2 Eureka)
- 4) National projects: BIOEKOTECH, BIOFITAS, GelFix, etc.

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