

Final Multiplier Event

THE LEGO PROJECT OUTCOMES

Erasmus+ Programme - Key Action 2 Cooperation for Innovation and the Exchange of Good Practices

Webinar (Zoom), 20/12/2021



Introduction

The project “LEarning GenOmics for food safety” (LEGO), funded in the framework of Erasmus + Programme, Key Action 2, Higher Education - Cooperation for Innovation and the Exchange of Good Practices, aims to define, train and promote the recognition in Europe of a new professional profile at the crossroad between different disciplines, the Food Microbial Bioinformatician.

Recent developments in scientific research in the field of Next Generation Sequencing (NGS) have not been accompanied by a simultaneous updating of the university curricular offer. In fact, despite indications of the European Commission and the Food and Agriculture Organisation of the United Nations (FAO, 2016), specific, transversal and multidisciplinary university programmes merging classical food microbiology education with advance training in Statistics, Epidemiology and Bioinformatics are still missing at European level.

In this framework, LEGO aims to fill-in this gap through a series of specific inter-related actions, in particular:

- ✓ To design and develop an ad hoc profile: the Food Microbial Bioinformatician (FMB)
- ✓ To develop an innovative and multi-functional web platform ("LEGO platform"), equipped with a self-assessment tool of knowledge and skills that will allow project beneficiaries to identify their training needs with respect to the new profile
- ✓ To develop, test and validate a multidisciplinary eLearning course consistent with the new profile of the FMB. The eLearning programme will be associated with an intensive 10-day work training program to be tested at IZSAM on students selected in the partner countries
- ✓ To promote the certification of the new profile through a dedicated online system ("Open Badges")
- ✓ To facilitate self-employment, international mobility and matching labour demand/offer through innovative tools available in LEGO platform
- ✓ To increase synergies and share innovative practices between HEIs, research institutes, VET providers and private companies adopting trans-disciplinary approaches and ensuring that education and research are mutually reinforcing.

Objective

The final multiplier event aims to present the overall results and specific outcomes, innovative in purpose, contents and dissemination.

Draft agenda

20 December, 2021

Chairman: F. Pomilio, IZSAM

Time	Subject	Speaker
8.30	Opening of the platform and technical test	IZSAM Staff
9.00	Welcome addresses	F. Pomilio, IZSAM
9.10	The LEGO Project: a general overview	F. Pompei, IZSAM
9.30	The "Food Microbial Bioinformatician" (FMB) - A new professional profile that meets the research needs for exploitation	S. Del Vecchio, UNIVAQ
9.50	The multidimensional learning pathway developed and piloted by the LEGO project	A. Chiaverini, IZSAM A. Falconi, IZSAM
10.10	Useful tools to facilitate employment and stimulate entrepreneurship in the field of Genomics applied to Microbiology of Food Safety: the Startupper's bricks	M. Siwek, PBS A. de Benito, AINIA
10.30	The Intensive training on the job: some experiences	Teachers and students
10.50	Panel discussion: Key-players' perspectives to promote the FMB in the European and international contexts	F. Pomilio chairs
11.00	Closing remarks	F. Pomilio, IZSAM

Beneficiaries

The event will be addressed to the following target groups:

- Students (II or III level) in Veterinary Sciences, Bioinformatics, (Micro)biology or Biotechnologies, Biomedical Engineering, Statistics, Informatics, Mathematics, Medicine
- Recent graduates in the above-mentioned disciplines
- Universities teachers and researchers
- Microbiologists and bio informaticians, especially working in the field of microbiology
- Experts from private /public institutions working in Food Safety field
- Representatives of governmental institutions and municipalities
- Representatives of the industries and companies from the food sector
- VET Training institutions
- the Italian Erasmus + National Agency.

Speakers

Alexandra Chiaverini, IZSAM, Veterinarian, Food Hygiene and Technologies, a.chiaverini@izs.it

Amparo de Benito, AINIA, Scientific researcher at the Microbiology and Molecular Biology Laboratory, abenito@ainia.es

Sasha Del Vecchio, UNIVAQ, Research team member, sashadelvecchio92@gmail.com

Annalisa Falconi, IZSAM, Trainer, International Centre for Veterinary Training and Information (CIFIV), a.falconi@izs.it

Francesco Pomilio, IZSAM, Head, Food Hygiene and Technologies, f.pomilio@izs.it

Francesca Pompei, IZSAM, Senior Trainer, International Centre for Veterinary Training and Information (CIFIV), f.pompei@izs.it

Maria Siwek, Bydgoszcz University of Science and Technology, Professor, Animal Biotechnology and Genetic Department, siwek@pbs.edu.pl

Language

The language will be English.

Contacts

LEGO - "LEarning GenOmicS for food safety" (2018-2021)

Erasmus Plus Programme - KA2 HE

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