



**National Information Day, Horizon Europe,
Life Sciences, New opportunities for widening
countries, 18th October 2021**



RECOMMENDATIONS TO APPLICANTS FROM THE EXPERT EVALUATORS

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EVALUATION OF RESEARCH PROJECTS – EU EXPERIENCES



2013

7FP, Knowledge Based Bio-Economy 2013, Food, Agriculture and Fisheries, and Biotechnologies

- *KBBE.2013.3.1-01: Plant high value products - from discovery to final product.*
- *KBBE.2013.3.1-02: EU-Latin America partnering initiative on sustainable biodiversity in agriculture.*



Since 2017

AXA Research Fund - Post-Doctoral Fellowships, Chairs

University of Turin - Excellent young principal investigator grants, Research for territory

University of Naples - Junior principal investigator grants

Shota Rustaveli National Science Foundation of Georgia - Fundamental research grants



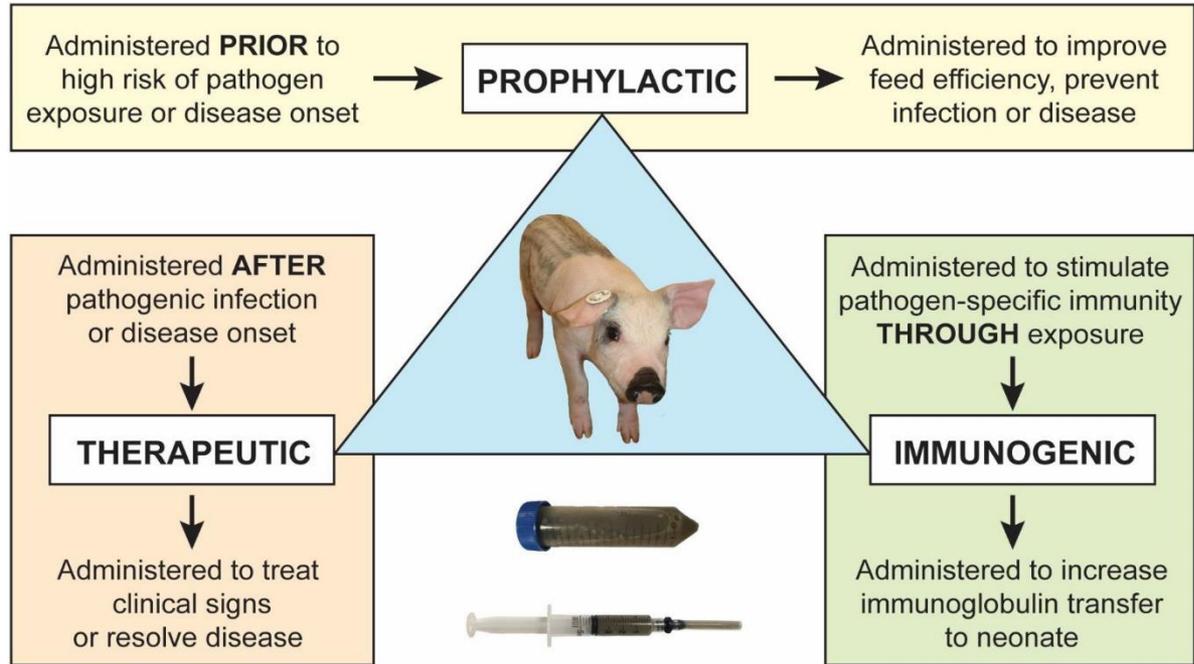
2019

Horizon 2020, Work Programme 2018-2020, Food security, sustainable agriculture and forestry, marine, maritime and inland water research and the bioeconomy

- *SFS-11-2018-2019: Anti-microbials and animal production, B. Alternatives to anti-microbials.*

I. ORIGINAL IDEA

Alternatives to **V**eterinary **ANT**imicrobials **AVANT**



Fecal microbiota transplantation

EASY TO REMEMBER ACRONYM

From DISCOvery to products: A next generation pipeline for the sustainable generation of high-value plant products



II. HIGH-QUALITY PROPOSAL

**Each single aspect of the call must be fully reflected
in the project proposal!!!**

B. [2019] Alternatives to anti-microbials (IA)

Activities shall focus on developing and testing new, efficient and targeted alternatives to anti-microbials in farmed animal production. This could be any type of alternative intervention measures (prophylaxis/prevention or treatment), other than vaccines - such as the modulation of host immunity and/or of microbial flora, feed additives or novel molecules. Basic research on gut microbiome should not be covered under this topic. Proposals should take into account the guidelines, standards and legislation in the field, to facilitate the marketing of the measures the project will identify. Proposals should fall under the concept of **multi-actor approach**³⁶, involving at least representatives of practitioners (e.g. veterinarians), of the feed/feed additives and pharmaceutical industries.

Actor: taking active part in project activities

Stakeholder: person expressing a view at a certain moment during the project

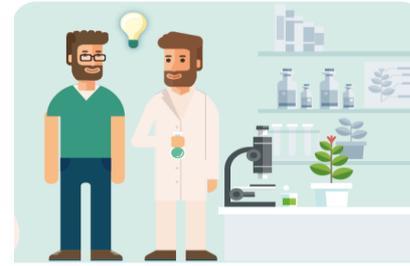
How to build a successful Horizon 2020 multi-actor project?



Target **real-life needs, problems or opportunities**



Choose consortium partners with **complementary types of knowledge and skills** (for "cross-fertilisation")



including **farmers, foresters or other end-users** to benefit from their entrepreneurial skills



Involve **"multipliers"** - people who can bring in practical knowledge and help disseminate the results in the long term



Set up a plan with a **clear role for each of the different partners**



Organise **knowledge exchange activities** between the partners



Bridge the gap between research and practice **by facilitating discussions**



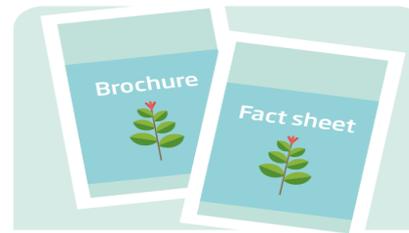
Involve interactive innovation groups such as **EIP-AGRI Operational Groups**



All partners must **co-create and co-decide** throughout the project



Illustrate how the project **complements existing research and best practices**



Produce practical information which feeds into the most common **existing dissemination channels ...**



... and write easily understandable **practice abstracts in the common EIP format**

EXCELLENCE

Methodology credibility

because prebiotic oligosaccharides do not produce direct antimicrobial effect, it is not clear how the resistance of pathogenic microorganisms will be induced and measured

Innovation potential

since the application of tannins and saponins as feed additives is common concept, the innovative potential of the proposal is very limited

IMPACT

application of alternative products to antimicrobials in the fish components of the mixed agriculture system is expected to increase productivity and reduction of plant disease in rice fields; however, this concept is not supported by relevant experimental data

IMPLEMENTATION

Risk management

risk strategy does not cover certain aspects related to the efficiency and safety of novel alternatives to antibiotics

PROPOSAL SCORING

Scores are between 0 and 5 for each criterion based on evaluators comments

| Criteria | Maximum |
|----------------|-----------|
| Excellence | 5 |
| Impact | 5 |
| Implementation | 5 |
| TOTAL | 15 |

| Project | Excellence | Impact | Implementation | Total | Financing |
|---------|------------|--------|----------------|-------|-----------|
| 1 | 5 | 4.5 | 5 | 14.5 | No |
| 2 | 4.5 | 5 | 5 | 14.5 | Yes |

III. GOOD LUCK



EUROPEAN
COMMISSION

Number of eligible proposals to be evaluated

| <u>Area 2.3.1 Novel sources of biomass and bioproducts</u> | No proposals |
|---|--------------|
| KBBE.2013.3.1-01: Plant High Value Products - from discovery to final product The topic aims at financing a limited number of large collaborative projects within an overall maximum budget of 20M€ | 41 |
| KBBE.2013.3.1-02: EU-Latin America Partnering Initiative on sustainable biodiversity in agriculture One project may be funded -1M€ | 9 |
| <u>Area 2.3.2 Marine and fresh-water biotechnology (blue biotechnology)</u> | |
| KBBE.2013.3.2-02: The CO2 algae biorefinery The topic aims at financing a limited number of large collaborative projects within an overall maximum budget of 20M€ | 29 |
| <u>Area 2.3.3 Industrial biotechnology: novel high added-value bio-products and bio-processes</u> | |
| KBBE.2013.3.3-01: Support for demonstrating the potential of biotechnological applications The topic aims at financing a limited number of small to large collaborative projects within an overall maximum budget of 20M€ | 6 |
| KBBE.2013.3.3-02: Bioeconomy and bioregions One project may be funded -1M€ | 7 |
| KBBE.2013.3.3-03: Opening markets for bio-based products: Standardisation, labelling and procurement One project may be funded - 6M€ | 1 |
| KBBE.2013.3.3-04: Optimal and cost-effective industrial biocatalysts The topic aims at financing a limited number of large collaborative projects within an overall maximum budget of 20M€ | 14 |



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