

# АНАЛІЗ ПРОГРАМИ «ГОРИЗОНТ-2020» ЗА НАПРЯМКОМ “ХАРЧОВА БЕЗПЕКА, СТАЛЕ СІЛЬСЬКЕ ГОСПОДАРСТВО ТА БІОЕКОНОМІКА”

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#### **CALL: SUSTAINABLE FOOD SECURITY – RESILIENT AND RESOURCE-EFFICIENT VALUE CHAINS**

Call identifier: H2020-SFS-2016-2017

Publication date: 14 October 2015



Horizon 2020

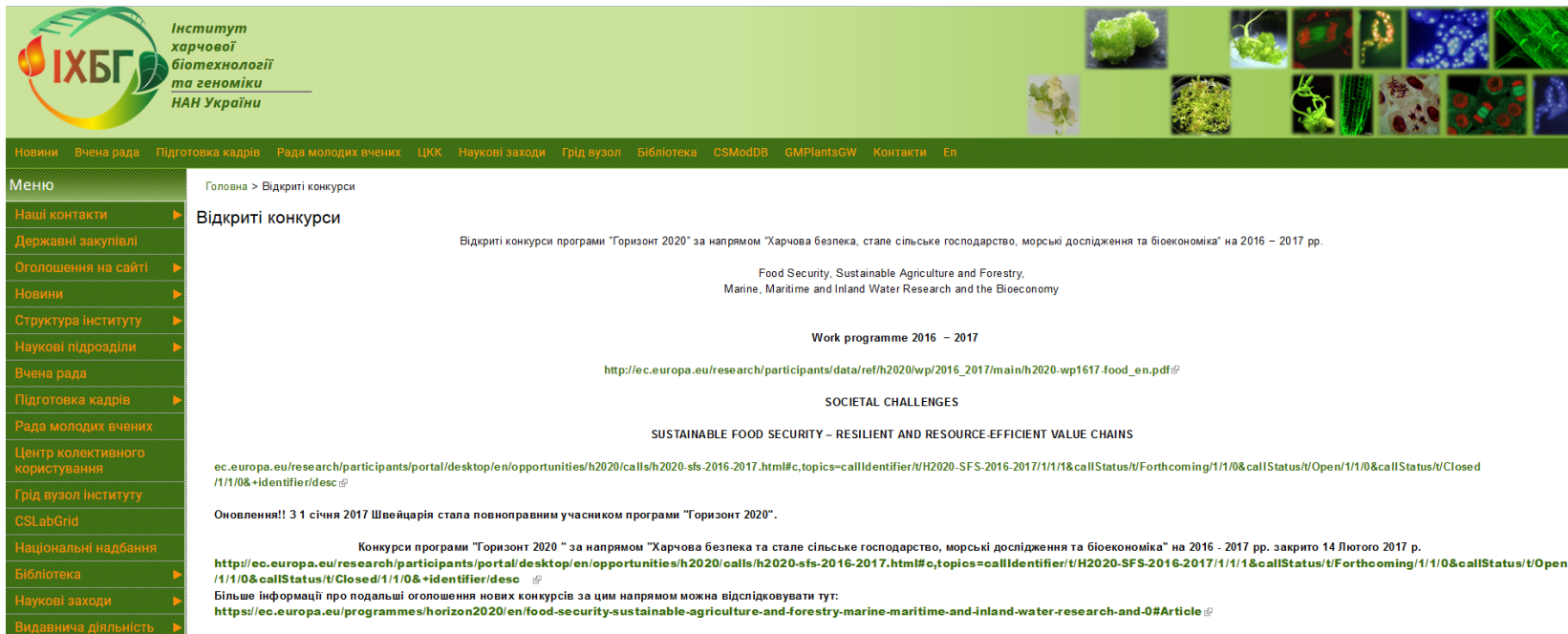
Pillar: Societal Challenges

Work Programme Year: H2020-2016-2017

Work Programme Part: [Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy](#)

[H2020 website](#)

# НАЦІОНАЛЬНИЙ КОНТАКТНИЙ ПУНКТ ПРОГРАМИ ЄС «ГОРИЗОНТ-2020» ЗА ТЕМАТИКОЮ “ХАРЧОВА БЕЗПЕКА, СТАЛЕ СІЛЬСЬКЕ ГОСПОДАРСТВО, МОРСЬКІ ДОСЛІДЖЕННЯ ТА БІОЕКОНОМІКА”



**ІХБГ** Інститут харчової біотехнології та геноміки НАН України

Новини Вчена рада Підготовка кадрів Рада молодих вчених ЦКК Наукові заходи Грід вузол Бібліотека CSMoDB GMPlantsGW Контакти En

Головна > Відкриті конкурси

## Відкриті конкурси

Відкриті конкурси програми "Горизонт 2020" за напрямом "Харчова безпека, стале сільське господарство, морські дослідження та біоекономіка" на 2016 – 2017 рр.

Food Security, Sustainable Agriculture and Forestry,  
Marine, Maritime and Inland Water Research and the Bioeconomy

Work programme 2016 – 2017

[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016\\_2017/main/h2020-wp1617-food\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-food_en.pdf)

SOCIETAL CHALLENGES

SUSTAINABLE FOOD SECURITY – RESILIENT AND RESOURCE-EFFICIENT VALUE CHAINS

[ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-sfs-2016-2017.html#\\_c\\_topics=callIdentifier/H2020-SFS-2016-2017/1/1/1&callStatus/Forthcoming/1/1/0&callStatus/Open/1/1/0&callStatus/Closed/1/1/0&+identifier/desc](https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-sfs-2016-2017.html#_c_topics=callIdentifier/H2020-SFS-2016-2017/1/1/1&callStatus/Forthcoming/1/1/0&callStatus/Open/1/1/0&callStatus/Closed/1/1/0&+identifier/desc)

Оновлення!! 31 січня 2017 Швейцарія стала повноправним учасником програми "Горизонт 2020".

Конкурси програми "Горизонт 2020" за напрямом "Харчова безпека та стале сільське господарство, морські дослідження та біоекономіка" на 2016 - 2017 рр. закрито 14 Лютого 2017 р.

[http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-sfs-2016-2017.html#\\_c\\_topics=callIdentifier/H2020-SFS-2016-2017/1/1/1&callStatus/Forthcoming/1/1/0&callStatus/Open/1/1/0&callStatus/Closed/1/1/0&+identifier/desc](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-sfs-2016-2017.html#_c_topics=callIdentifier/H2020-SFS-2016-2017/1/1/1&callStatus/Forthcoming/1/1/0&callStatus/Open/1/1/0&callStatus/Closed/1/1/0&+identifier/desc)

Більше інформації про подальші оголошення нових конкурсів за цим напрямом можна відслідковувати тут:  
<https://ec.europa.eu/programmes/horizon2020/en/food-security-sustainable-agriculture-and-forestry-marine-maritime-and-inland-water-research-and-0#Article>

Меню

- Наші контакти
- Державні закупівлі
- Оголошення на сайті
- Новини
- Структура інституту
- Наукові підрозділи
- Вчена рада
- Підготовка кадрів
- Рада молодих вчених
- Центр колективного користування
- Грід вузол інституту
- CSLabGrid
- Національні надбання
- Бібліотека
- Наукові заходи
- Видавнича діяльність

<http://ifbg.org.ua/uk/horizon-2020-0>



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



**Horizon 2020**  
**Work Programme 2018-2020**

***9. Food security, sustainable agriculture and forestry,***  
***marine, maritime and inland water research and the***  
***bioeconomy***

(Харчова безпека, стале сільське господарство та лісництво, вивчення водних ресурсів морів та внутрішніх водойм, біоекономіка)

**Draft**

**«ХАРЧОВА БЕЗПЕКА, СТАЛЕ СІЛЬСЬКЕ  
ГОСПОДАРСТВО, МОРСЬКІ ДОСЛІДЖЕННЯ ТА  
БІОЕКОНОМІКА»**

**ГОЛОВНІ ПРИОРІТЕТИ:**

- Addressing climate change and resilience on land and at sea  
(Вирішення проблем пов'язаних із кліматичними змінами та підвищення здатності протистояти наслідкам цих змін в цілях забезпечення підтримки сталого розвитку на землі і на морі)
- Making the transition towards a circular bioeconomy  
(Створення переходу у напрямку біоекономіки «замкненого циклу»)
- Functional ecosystems, sustainable food systems, healthy lifestyles  
(Функціональні екосистеми, стабільні продовольчі системи, здоровий спосіб життя)



# *CALLS (НАПРЯМКИ)*

## **Call - Sustainable Food Security**

- **From functional ecosystems to healthy food**
- **Environment and climate-smart food production and consumption**
- **Building capacities**
- **Targeted international cooperation**
- **Conditions for the Call - Sustainable Food Security**

## **Call - Blue Growth**

- **Conditions for the Call - Blue Growth**

## **Call - Rural Renaissance**

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- **From farm to society: understanding dynamics and modernising policies**
- **Organising sustainable food and non-food value chains under changing conditions**
- **Taking advantage of the digital revolution**
- **Boosting innovation and enhancing the human and social capital in rural areas**
- **Conditions for the Call - Rural Renaissance**



# *SUSTAINABLE FOOD SECURITY (XAI TOBA BE3IIKA)*

- **From functional ecosystems to healthy food**
- SFS-01-2018-2019-2020: Biodiversity in action: across farmland and the value chain
- LC-SFS-03-2018: Microbiome applications for sustainable food systems .
- SFS-04-2019-2020: Integrated health approaches and alternatives to pesticide use
- SFS-05-2018-2019-2020: New and emerging risks to plant health
- SFS-06-2018-2020: Stepping up integrated pest management
- SFS-07-2018: Making European beekeeping healthy and sustainable
- SFS-08-2018-2019: Improving animal welfare
- SFS-11-2018-2019: Anti-microbials and animal production
- SFS-12-2019: A vaccine against African swine fever
- DT-SFS-14-2018: Personalized Nutrition
- LC-SFS-15-2018: Future proofing our plants
- SFS-16-2018: Towards healthier and sustainable food
- LC-SFS-17-2019: Alternative proteins for food and feed



# ***ANTI-MICROBIALS AND ANIMAL PRODUCTION***

В 2011 р Європейська Комісія розробила п'ятирічний план дій боротьби із застосуванням антимікробних препаратів в тваринництві!

**Scope/Завдання:**

## **A. [2018] Rethinking management of health of farmed animals (RIA)**

Proposals should fall under the concept of 'multi-actor approach', involving representatives of farmers, extension services, veterinarians and other professionals as well other animal production stakeholders (e.g. feeding, breeding, pharmaceutical industries), and should involve training activities.

## **B. [2019] Alternatives to anti-microbials (RIA)**

Proposals should fall under the concept of 'multi-actor approach, involving at least representatives of practitioners (e.g. veterinarians), of the feed/feed additives and pharmaceutical industries.



# ***ANTI-MICROBIALS AND ANIMAL PRODUCTION***

**Expected Impact:** The funded activities will contribute to the fight against anti-microbial resistance arising from farmed animal production. More specifically they will help:

- develop options for reducing the use of anti-microbials in farming (scope A);
- develop alternative intervention measures from technology readiness levels (TRL) 5-6 to TRL 7 (scope B).

More generally, the funded activities will contribute to improved animal disease prevention and control, reduced production losses and improved resource-use (scopes A and B).

**Type of Action:** Research and Innovation action





# ***A VACCINE AGAINST AFRICAN SWINE FEVER***

No vaccine is currently available and the development of effective and safe ASF vaccines is urgent as an additional tool to re-inforce control and eradication strategies currently in place!

**Scope/Завдання:** The research proposals will address the necessary steps for developing safe vaccines against ASF for domestic pigs and wild boars.

Proposals should fall under the concept of the 'multi-actor approach and be based on the active participation of stakeholders from research, animal health authorities and the farming and business sectors. Involvement of the pharmaceutical industry is highly recommended.



# *A VACCINE AGAINST AFRICAN SWINE FEVER*

## **Expected Impact:**

- Pilot ASF vaccines and their companion DIVA tests for the possible prevention and/or eradication of the disease in domestic pigs and wild boars, with TRL 5 to 6;
- Contribution to international cooperation on animal health research, potentially reducing the threats from the introduction of exotic ASF virus strains in the EU and reducing the burden of ASF in countries outside the EU.

More generally, the selected project will contribute to a reduction of economic losses by the farming sectors and contribute to healthy livestock production. It will contribute to reduce the sanitary barriers to trade in swine and products there from.

**Type of Action:** Innovation action



# *PERSONALIZED NUTRITION*

The World Health Organization estimates that about 80% of premature heart disease cases, strokes, type 2 diabetes and 40% of cancers could be avoided if the major risk factors for non-communicable diseases, such as unhealthy diets!

**Scope/Завдання:** Proposals shall deliver innovative solutions for personalized nutrition advice and/or support that will help consumers to achieve their optimal health and well-being and to adopt long-term healthy and sustainable diets.

Proposals may include limited research activities Assessment and deepening the understanding of the drivers of food choice, the food environment to sustain long term healthy and sustainable diets are essential.

# *PERSONALIZED NUTRITION*

Proposals shall also develop and/or validate innovative approaches/methods/technologies for dietary assessment (e.g. measure dietary intake).

**Expected Impact:** proposals should explain how activities included contribute to:

- Empowered consumers able to make healthy and sustainable dietary choices;
- Personalized diets upon scientific-based dietary assessment and advice, by 2025;
- Increased consumer trust in personalized nutrition advice and/or support;



# *PERSONALIZED NUTRITION*

- Prevention of diet-related and non-communicable diseases;
- Increased/optimal health and well-being of individuals adopting long-lasting healthy and sustainable dietary behaviour;
- New market opportunities for novel concepts/tools/products, or services in personalized advice and/or support;
- New market opportunities for novel approaches/methods/technologies for dietary assessment.

**Type of Action: Innovation action**



## *ALTERNATIVE PROTEINS FOR FOOD AND FEED*

While facing climate change and natural resource scarcity, ensuring sufficient, nutritious, safe and affordable food to a fast growing world population with changing dietary habits becomes increasingly challenging. The protein supply is in this respect most critical, both for human consumption and animal feed.

**Scope/Завдання:** Proposals shall identify and assess new or alternative protein sources for food and/or feed and develop/validate efficient production and processing approaches to convert/integrate them into high quality, safe, healthy, and sustainable products or ingredients.

Proposals may include limited research activities.



# *ALTERNATIVE PROTEINS FOR FOOD AND FEED*

## Expected Impact:

- Far-reaching progress in providing, processing and production of high quality proteins for food and/or feed from terrestrial and/or aquatic origin, moving available solutions from TRL 5 to TRL 6;
- New market opportunities for novel products, exclusively or partly derived from non-traditional proteins;
- Future-proofed protein supply chains based on the principles of diversity, sustainability and resilience;
- Increased trust and consumer acceptability for alternative protein sources and processes.



# ***ALTERNATIVE PROTEINS FOR FOOD AND FEED***

- In the longer run, a sustainable food sector that significantly reduced its footprint in terms of land use, greenhouse gas emissions, energy, water and other relevant indicators.

**Type of Action:** Innovation action





Дякую за увагу!

Thanks for your attention!

