

WORK PROGRAMME 2021-2022

FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

GREEN TRANSITION-FOOD SECURITY

CALL: [Fair, healthy and environmentally-friendly food systems from primary production to consumption \(HORIZON-CL6-2021-FARM2FORK-01\)](#)

Food and nutrition security for all within planetary boundaries is ensured through knowledge, innovation and digitalisation in agriculture, fisheries, aquaculture and food systems, which are sustainable, resilient, inclusive, safe and healthy from farm to fork.

SUBMISSION: 6 October 2021

BUDGET: 6 MILLION Euro

TYPE OF ACTION: Research and Innovation

1. One Health approach for Food Nutrition Security and Sustainable Agriculture (FNSSA)

Scope: The “One Health” approach to plant and animal health is based on a systemic perspective linking the health of ecosystems, animals and humans. It requires interventions at different level (local, territorial, value chain) and coherent public policies. ‘One Health’ can be applied to establish a transformative approach to increasing sustainable practices in agriculture and improving the overall health and well-being of humans, animals, and natural ecosystems.

Proposals should build on existing and new knowledge, data, models (including in situ calibration measurement) and available tools to:

- Identify local farm animals and crops in the different agro-ecological zones in Africa to maintain/increase productivity, resilience and nutritional quality taking into account the interactions between plants, animals, diseases, pests, zoonosis and ecosystems under conditions of limited external inputs and increased abiotic and biotic stresses;
- Develop innovative means including innovative methodologies for risk assessments and practices to tackle current and emerging plant pests and diseases, pests and zoonosis (including transboundary infectious livestock diseases) taking into account the interactions between plants, livestock health and the natural ecosystems;
- Develop sustainable and systemic integrated approaches to plant and animal health from farm to international scales in line with a greener agriculture by optimising resource efficiency, minimising production losses and avoiding geographical spread of diseases/pathogens (i.e. control of locusts or other migratory pests, development of vaccines) including animal breeding and being responsible/respectful of natural ecosystem integrity, goods and services;
- Establish a multidisciplinary team that works together to achieve these outcomes and bring together experts from academic, government, public, and private institutions to achieve meaningful change in public awareness, policies, and practices that support implementation of sustainable agricultural practices. Proposals must implement the ‘multi-actor approach’ and ensure adequate involvement of

the farming sector and, as relevant, bio-based industry active in rural areas. In this topic the integration of the gender dimension (sex and gender analysis) in research and innovation content is not a mandatory requirement

Partnership

Due to the specific challenge of this topic, in addition to the minimum number of participants set out in the General Annexes, consortia must include at least five independent legal entities established in Africa. The places of establishment of at least four of these legal entities must be in the same geographical region of Africa (as defined by the African Union:

https://au.int/en/member_states/countryprofiles2) Due to the scope of this topic, legal entities established in all member states Horizon Europe - Work Programme 2021-2022 Food, Bioeconomy, Natural Resources, Agriculture and Environment Part 9 - Page 188 of 568 of the African Union are exceptionally eligible for Union funding. The following additional eligibility criteria apply: The proposals must use the multi-actor approach. See definition of the multiactor approach in the introduction to this work programme part. International organisations with headquarters in a Member State or associated country are exceptionally eligible for funding.