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ACRÓNIMO / TÍTULO DO PROJETO

INNOECOFOOD - ECO-INNOVATIVE TECHNOLOGIES FOR IMPROVED NUTRITION, SUSTAINABLE PRODUCTION AND MARKETING OF AGROECOLOGICAL FOOD PRODUCTS IN AFRICA

CÓDIGO DO PROJETO

HORIZON-CL6-2023-FARM2FORK-01
Project number: 101136739

ENTIDADE FINANCIADORA

União Europeia (UE)

ENTIDADES BENEFICIÁRIAS

CENTRO INTERDISCIPLINAR DE INVESTIGACAO MARINHA E AMBIENTAL (CIIMAR) – *Inst. Proponente*
KENYA MARINE AND FISHERIES RESEARCH INSTITUTE (KMFRI) – *Inst. Participante*
TANZANIA FISHERIES RESEARCH INSTITUTE (TAFIRI) – *Inst. Participante*
MAKERERE UNIVERSITY (MAKERERE) – *Inst. Participante*
COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR-FRI) – *Inst. Participante*
UNIVERSITY OF NAMIBIA (UNAM) – *Inst. Participante*
THE AGRICULTURAL RESEARCH CENTER (CLAR) – *Inst. Participante*
UNIVERSITY OF DAR ES SALAAM (UDSM) – *Inst. Participante*
JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY (JKUAT) – *Inst. Participante*
BURDUR MEHMET AKIF ERSOY UNIVERSITESI (BMAEU) – *Inst. Participante*
DENIZLI VALILIGI (DENIZLI) – *Inst. Participante*
THE INTERNATIONAL CENTRE OF INSECT PHYSIOLOGY AND ECOLOGY LBG (ICIPE) – *Inst. Participante*
B2E ASSOCIACAO PARA A BIOECONOMIA AZUL – LABORATORIO COLABORATIVO (B2E) – *Inst. Participante*
SPARKY SOCIAL ENTERPRISE LIMITED (SPARKY) – *Inst. Participante*
FOOD SECURITY FOR PEACE AND NUTRITION AFRICA (FSPN-Africa) – *Inst. Participante*
INNOTECH INGENIEURSGESELLSCHAFT MBH (INNOTECH) – *Inst. Participante*
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV (ISE) – *Inst. Participante*
FACULDADE DE MEDICINA VETERINARIA (FMV) – *Inst. Participante*
MAYFAIR HOLDINGS LTD (PECHE) – *Inst. Participante*

ELEMENTOS NUCLEARES DA EQUIPA DE INVESTIGAÇÃO

Professora Doutora Maria João Fraqueza

MAPA DE INVESTIMENTO ELEGÍVEL E APOIO OE REPARTIDO PELOS DIVERSOS BENEFICIÁRIOS

Proponente/ Participante(s)	PIC NUMBER	Instituição	Regiões	Orçamento elegível	Montante máx. financiamento	Taxa cofinanciamento UE	UE
Proponente	PIC 997223536	CIIMAR	Portugal	680.250,00€	680.250,00€	100%	680.250,00€
Participante 1	PIC 968659364	KMFRI	Quénia	600.000,00€	600.000,00€	100%	600.000,00€

Participante 2	PIC 998702689	TAFIRI	Tanzânia	549.750,00€	549.750,00€	100%	549.750,00€
Participante 3	PIC 999856601	MAKERERE	Uganda	300.000,00€	300.000,00€	100%	300.000,00€
Participante 4	PIC 986874024	CSIR-FRI	Gana	550.000,00€	550.000,00€	100%	550.000,00€
Participante 5	PIC 998753420	UNAM	Namíbia	399.937,00€	399.937,00€	100%	399.937,00€
Participante 6	PIC 998571254	CLAR	Egito	548.775,00€	548.775,00€	100%	548.775,00€
Participante 7	PIC 998783296	UDSM	Tanzânia	140.000,00€	140.000,00€	100%	140.000,00€
Participante 8	PIC 986603782	JKUAT	Quénia	300.000,00€	300.000,00€	100%	300.000,00€
Participante 9	PIC 881249560	BMAEU	Turquia	249.812,50€	249.812,50€	100%	249.812,50€
Participante 10	PIC 883183255	DENIZLI	Turquia	250.000,00€	250.000,00€	100%	250.000,00€
Participante 11	PIC 998556704	ICIPE	Quénia	344.375,00€	344.375,00€	100%	344.375,00€
Participante 12	PIC 893978385	B2E	Portugal	249.758,00€	249.758,00€	100%	249.758,00€
Participante 13	PIC 887807536	SPARKY	Uganda	142.500,00€	99.750,00€	70%	99.750,00€
Participante 14	PIC 895664245	FSPN-Africa	Quénia	300.000,00€	300.000,00€	100%	300.000,00€
Participante 15	PIC 953540459	INNOTECH	Alemanha	398.468,75€	278.928,13€	70%	278.928,13€
Participante 16	PIC 999984059	ISE	Alemanha	448.802,50€	448.802,50€	100%	448.802,50€
Participante 17	PIC 927972229	FMV/ULisboa	Portugal	249.990,00€	249.990,00€	100%	249.990,00€

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Participante 18	PIC 962028056	PECHE		Quénia	300.000,00€	210.000,00€	100%	210.000,00€
			TOTAL		**7.002.420,00€**	**6.750.129,38**	**96%**	**6.750.129,38**

DATA DE APROVAÇÃO	DATA DE INÍCIO	DATA DE CONCLUSÃO
23/11/2023	01/01/2024	30/06/2027

OBJETIVOS, ATIVIDADES E RESULTADOS ESPERADOS/ATINGIDOS

INNOECOFOOD aims to establish innovative production/ business ECOHUBS and improve local aquaculture farms using AI and IoT in six African countries. To support EU-AU markets and trade, INNOECOFOOD will train rural farmers, youth and women to innovatively produce and process nutritious aquaculture catfish and tilapia, blue-green cyanobacteria spirulina, and insect value chains that will be processed into certified marketable human food products and feed. This farm to fork approach, reaching TRL7, will be achieved by using climate smart sustainable local resources, innovative chilling and drying processes using renewable energy, reduced water consumption and circular systems within the ECOHUB by an experienced multi-actor consortium comprising 20 partners in Europe and Africa and rural communities. The specific objectives are to:

- Conduct scoping of aquaculture practices (living labs) and establish four sustainable and innovative agribusiness rural ECOHUBS using renewable solar/wind energy for the production, processing and marketing of aquaculture value chains (fish and Spirulina) and insects in diverse African countries (WP2), to address AU and EU green deal and trade.
- Optimize the production of eco-farmed fish, spirulina and insects, sustainable feeds and post-harvest processing technologies using sensors, AI and IoT technology in aquaculture ECOHUBS and living labs sites (WPs3-5).
- Scope suitable plant products; up cycle fish waste nutrients and make novel products from fish and co-products, spirulina and insects by solar powered drying and extrusion processing, using AI sensors and IoT (WP6).
- Validate nutritional and sensory quality, microbiological and chemical safety, consumer acceptance, life cycle analysis impact, and implement certification schemes for fish, spirulina and insect processing and products, for consumption, marketing and trade (WP7).
- Create a database and train locally 120 youth and 120 women in the ECOHUBS and 5000 rural workers (WP8).