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Integrating BOMOSA cage fish farming systems in reservoirs, ponds and temporary water bodies in Eastern Africa

Fact Sheet

Project Information

BOMOSA

Grant agreement ID: 32103

Project closed

Start date

1 October 2006

End date

30 September 2009

Funded under

Specific measures in support of international cooperation: Specific activities covering wider field of research under the Focusing and Integrating Community Research programme 2002-2006.

Total cost

€ 1 659 473,00

EU contribution

€ 1 499 998,00

Coordinated by

UNIVERSITÄT FÜR
BODENKULTUR WIEN
(UNIVERSITY OF NATURAL
RESOURCES AND APPLIED LIFE
SCIENCES VIENNA)

 Austria

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Objective

The BOMOSA Project will research the economic viability, social acceptance and necessary institutional environment of a technology that has been proven technically feasible over the last two years. BOMOSA is pioneering small-scale fish farming in Eastern Africa by establishing rural aquaculture networks (coordinated in a hub and plot system) to economically integrate aquaculture with agriculture. The BOMOSA system will form the basis of a socio-economic model contributing to poverty alleviation in Eastern Africa by providing supplementary high protein food and additional income to rural communities in Kenya, Ethiopia and Uganda. The 36-month project involves four European partners (two universities, a science academy and an NGO), six African partners; two Kenyan universities and fishery research centres from Kenya (2) and one each from Ethiopia and Uganda.

The summarized scientific and technical objectives of the project are: Apply a participatory approach to define targets in terms of economic viability and social acceptability at community levels for the new BOMOSA plots Develop and validate an evaluation method using remote sensing to assess and characterize water bodies for use as potential BOMOSA plots Set up fourteen BOMOSA plots and optimise the technology in three types of small water bodies within four eco-zones across Kenya, Ethiopia and Uganda Evaluate locally available, agricultural by-products and cost-effective processing technologies as a resource for sustainable production of low-protein fish feed Determine requirements and make recommendations for a legal and regulatory framework based on potential veterinary, public health and environmental impacts of BOMOSA Develop capacity building and dissemination material for the local community , relevant authorities and policy makers and the international scientific community Develop a socio-economic model for sustainable introduction and widespread uptake of the BOMOSA scheme.

Fields of science (EuroSciVoc)

[agricultural sciences](#) > [agriculture, forestry, and fisheries](#) > **[fisheries](#)**

[natural sciences](#) > [earth and related environmental sciences](#) > **[hydrology](#)**

[engineering and technology](#) > [environmental engineering](#) > **[remote sensing](#)**

[engineering and technology](#) > [other engineering and technologies](#) > [food technology](#) > **[food safety](#)**

[social sciences](#) > [economics and business](#) > [economics](#) > **[sustainable economy](#)**



Programme(s)

[FP6-INCO - Specific measures in support of international cooperation: Specific activities covering wider field of research under the Focusing and Integrating Community Research programme 2002-2006.](#)

Topic(s)

[INCO-2004-A3.3 - Aquatic farming systems](#)

Call for proposal

FP6-2004-INCO-DEV-3

[See other projects for this call](#)

Funding Scheme

[STREP - Specific Targeted Research Project](#)

Coordinator



UNIVERSITÄT FÜR BODENKULTUR WIEN (UNIVERSITY OF NATURAL RESOURCES AND APPLIED LIFE SCIENCES VIENNA)

EU contribution

No data

Total cost

No data

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Links

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[HORIZON collaboration network](#) 

Participants (9)



AUSTRIAN ACADEMY OF SCIENCES

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EU contribution

No data

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Total cost

No data



ENKI, O.P.S.

 Czechia

EU contribution

No data

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Total cost

No data



MOI UNIVERSITY

 Kenya

EU contribution

No data

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Total cost

No data



KENYAN MINISTRY OF LIVESTOCK AND FISHERIES DEVELOPMENT

 Kenya

EU contribution

No data

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MUSEUM HILL
58187 NAIROBI 

Total cost

No data



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE

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EU contribution

No data

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Total cost

No data



EGERTON UNIVERSITY

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No data

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536 Njoro NJORO 

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Total cost

No data



ETHIOPIAN INSTITUTE OF AGRICULTURAL RESEARCH

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EU contribution

No data

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2003 ADDIS ABABA 

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Total cost

No data



MINISTRY OF AGRICULTURE, ANIMAL INDUSTRY AND FISHERIES

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EU contribution

No data

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ENTEBBE 

Total cost

No data



ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA

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EU contribution

No data

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Total cost

No data

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European Union, 2025