

VicRes to Fund 14 New Research Projects in 2007/8

The Lake Victoria Research Advisory Committee (VicSac), on its 5th meeting, recommended 14 proposals for funding for the period 2007/08. The exercise was thoroughly vetted based on (i) peer review reports and (ii) comments and experience of VicSac members and Sida/SAREC observers.

The New Research Projects to be funded subject to major or minor correction are;

FUNDABLE PROJECTS WITH MINOR REVISION

1. Gender, Culture & Women in the Lake Victoria fish trade: A value chain analysis
2. Evaluating the potential of pro-poor tourism as an alternative land use: The case of Ruma National Park (K) & Kalangala Island (U)
3. Banana tissue culture & nutrient enhancement for food security & income generation among people living with AIDS in the LVB
4. Modeling of non-point source pollution in the LVB
5. Impact of transformation of pastoralism and potential for adaptation of agro-silvo-pastoral innovations in Kagera Sub-basin.
6. Amaranth grain production and value addition for improved livelihoods in the LVB.
7. Assessing Sustainability of land use, soil and water resources management practices in the LVB
8. Evaluation of the response of different tea cultivars to growing environments & agronomic inputs in EA countries

FUNDABLE WITH MAJOR REVISION

1. Investigating grey water reuse in agriculture as means for pollution mitigation and livelihood improvement in LVB.
2. Integrated management of river kagera catchments: A case study of selected catchments in Burundi, Rwanda, Tanzania & Uganda
3. Enhancing integrated pest & disease management strategies in the production of green gram in parts of LVB
4. A survey of indigenous salts consumed around Lake Victoria: Physico-chemical characterization, purity, methods of preparation and possible wider marketing
5. Investigating the effects of pollution on Omega-3 polyunsaturated fatty Acids (PUFA) in commercial Fish species in Lake Victoria

6. Enhancement of sustainable productivity of fish in the lake Victoria through control of pollutants with Emphasis on endocrine disruptors & microbial pathogens

REJECTED PROPOSALS

1. Towards improvement of indigenous medical practices in the management of childhood illnesses: The case of traditional herbal antimicrobials in the LVB
2. Livelihood vulnerability assessment of third-generation caregivers of Children orphaned by AIDS in the LVB
3. Improvement of handling, drying & marketing of dagaa & tilapia among women fish processors in the LVB
4. Assessing the potential of non-food oil plants for bio-diesel production in the LV region.
5. Biophytochemical evaluation of indigenous plants as strategy for the control of intermediate hosts of schistosomiasis (Bilharzia) in LVB.
6. The Language Ecology of the LVB. A Study in language & Socio-Economic development.
7. Contribution of indigenous knowledge in managing Animal Genetic resources and its impact on Environment & livelihoods in the LVB
8. Impact of receding waters of lake Victoria on income generation & gender inequality of the surrounding community
9. Assessment of biomass conversion efficiency of traditional jikos used by local communities within LVB for enhancement of environmental conservation.
10. Dynamics of soil organic matter and plant nutrients & their impact on soil biodiversity and livelihoods of communities: The influence of farm management systems.
11. Small scale fisheries for poverty reduction and environmental enhancement in LVB: from a gender perspective
12. Surface flow constructed papyrus wetlands as cost effective remedies for sewage renovation for small and medium sized communities in the LVB

13. Promoting cultural tourism for sustainable livelihoods as an intervention to poverty reduction and environmental management in LVB.
14. Identification and analysis of wood inhabiting medicinal mushrooms in the Lake Victoria Basin.
15. Establishment of low cost techniques for oyster mushroom cultivation among small scale farmers for wealth creation & food security at household levels.
16. Bringing the gap between research & livelihood of women in the LVB
17. Genetic diversity & productivity of acacia Senegal (L.) wild in East Africa
18. Assessing production potential for sustainable markets in East Africa's Lake Victoria region
19. An assessment of the changing role of culture and indigenous knowledge in the use and management of selected wetlands in the LVB.
20. Diverting Local Dependence on Natural Forests; Investigating the potential of giant Bamboo in communities adjacent to Mabira, Kakamega & Mara riverine forests
21. Improving Dagaa fishing & Preservation methods for environmental preservation & better livelihoods.
22. Use of crop wastes from markets for sustainable food production in the LVB.
23. Civic & Community participation in management of habitats for sentinel & disease vector snails in wetlands.
24. Improvement of groundnut productivity & Aflatoxin reduction for enhanced income & livelihood of people in the LVB.
25. The influence of technological innovations, indigenous knowledge and policy environment on land productivity in LVB.
26. Investigating the impact of religions on sustainable livelihood of the fisher folks in the LVB.
27. An assessment of indigenous drought & flood coping strategies for sustainable livelihoods in the LVB.

28. Enhancement of household economic returns through sustainable use of medicinal plants: the case of herbalists and entrepreneurs in Kakamega (K) & Mukono (U)
29. Water catchment management and soil conservation Technologies for sustainable agriculture in contrasting Agro-ecological zones of the LVB
30. Project no 52. Project no Waste management in urban and peri-urban smallholder dairy cattle production to mitigate environmental pollution in the LVB
31. Future hydropower scenarios for the riparian countries of Lake Victoria basin.
32. Sustainable management of Lake Victoria catchment: A case study for Consultative public participation.
33. Factors Mitigating against farmers' adoption of sustainable land use practices in the LVB
34. Impact of land use change on water quality, biodiversity and livelihoods of local people on the Bugala Island in Lake Victoria, Uganda
35. Bioprospecting, Domestication & Genetic conservation of indigenous Plant species for the Management of Livestock Ectoparasites
36. Examining the effects of communication gaps on the fuel wood consumption patterns & soil erosion controls in the LVB
37. Considerations for sustainable management of natural resources. The case of sand & clay mining activities in the LVB
38. Watershed management innovations enhancing livelihood options & adaptation to environmental processes in the LVB
39. Development of new *Artemisia annua* varieties for sustainable Artemisinin production & management of Malaria in LVB.
40. Cultural management tools & their effects on livelihoods & wetland health in LVB: The role of Bushfire
41. Investigation of the potential of banana stem in the development of banana fibre – based small scale industries for improved livelihoods in lake Victoria region

42. Diurnal & seasonal heavy metal & DDT concentrations in water, sediment biota at selected wetlands of Lake Victoria & their quantification
43. Promoting the use of agro-industrial by-products & multipurpose trees for improved animal productivity & livelihoods of communities around LVB.
44. Search for anti-plasmodial and mosquito larvicidal principles in east & central Africa flora: Phase1
45. Bio-Prospecting for commercializable natural products from natural wetlands in East Africa: Possible impact on disease control economy, and poverty alleviation
46. Mapping fresh water snails distributions in LVB wetlands to foster their understanding, conservation, opportunities for management of potential snails -borne diseases & animal feeds industry raw material bio-prospecting.
47. Improving productivity of scavenging local chickens to alleviate poverty in the LVB of Kenya & Tanzania
48. Impact of indigenous knowledge on small -scale farm productivity in selected ecological hotspots
49. Enhancing fisheries productivity of eutrophied waters through cage culture: Assessing yield, fish quality, Environmental & socio-economic viability in LV.
50. Integrating Woman & Children's priorities into the local government environmental management policies for poverty reduction in the LVB