



Russell E. Train Fellowship Program 2010 Program Guidelines for Tanzania and Kenya

Thank you for your interest in WWF's Education for Nature Program (EFN). Please read the following carefully to determine if you are eligible to apply for a Russell E. Train Fellowship.

ELIGIBILITY

To be eligible to receive a Russell E. Train Fellowship, you must meet the following criteria:

- **You must be a citizen or legal permanent resident of Tanzania or Kenya.**
- You must have at least two year's work experience in conservation activities.
- You must be enrolled, admitted or have applied to a graduate degree program (master's or PhD) at an institution of higher education by the application deadline and you must plan to begin your studies no later than one year after the application deadline.
- You must commit to working at least two years after the completion of your degree in your home country or another country in the region.
- You must NOT have received a Russell E. Train Scholarship or Fellowship in the past. Those who have received EFN Professional Development Grants may apply for a Train Fellowship.
- You must NOT be a current WWF employee, a long-term consultant to WWF, or an employee seconded to WWF from a government agency or other organization. Consultants on short-term contracts with WWF may be eligible. If you are working for WWF, it is strongly advised that you contact EFN in Washington, DC at efn@wwfus.org to make sure you are eligible before applying.
- **All fields of study must be focused on the coastal and marine areas in the Coastal East Africa Marine region (see map)**

FIELD OF STUDY

Priority will be given to applicants whose fields of study pertain to the following:

- A natural science discipline relevant to marine conservation in Tanzania and Kenya
- A social science discipline relevant to sustainable economic development or community-based resource management
- Climate change adaptation, particularly for marine and coastal habitats and coastal communities
- Marine protected area establishment and management
- Marine policy and law
- *See following page for suggested research topics*



HOW TO APPLY

To request an application or if you have any questions about the Russell E. Train Fellowship program, please contact Lydia at WWF Tanzania by email - Lmwakanema@wwftz.org.

**The application deadline for Russell E. Train Scholarships and Fellowships is
February 28, 2010*.**

*All applications must be postmarked by this date. Applications sent after this date will not be considered.

Please send your completed application to:
Education for Nature - WWF Tanzania Programme Office
PO Box 63117
Dar es Salaam, Tanzania

Suggested Research Topics

Fish population dynamics with emphasis on Tuna

- Application of theoretical and practical approaches to fisheries resource assessment based on database of tuna fisheries. Target species should include the bigeye tuna, Yellow fin tuna, skipjack and albacores in the Indian Ocean. Also include studies of the resource dynamics of demersal fish and crustaceans in the Indian Ocean.

Tuna Ecology and Management

- Studies on the pelagic tuna ecosystem in Western Indian Ocean region, with focus on the food web.
- Studies on the ecology, biology and fishery of the deep-sea fish populations in Indian Ocean.
- By-catch reduction studies in Industrial Tuna Fisheries.
- Tuna management and stock assessment
- Seasonal trends in recruitment of Tuna
- By-catch assessment of Tuna per seining
- Environmental variability and climate change impact on tuna recruitment and biomass
- Test the use of spatial management as a management tool in the tuna fisheries management (including no take zones and MPAs).
- Trials on the use of BRDS in the tropical mixed fisheries
- The impact of using FADS in purse seining

Conservation Biology

- The studies should focus on either preserving or restoring natural environments, wild populations of key fisheries. Students should be specializing in marine ecology, coastal and marine natural resources, fisheries, aquatic biology and environmental social sciences.

Aquaculture

- Evaluation of aquaculture potentiality in the region
- Research on Fish Feeds issues and sustainable sourcing of seeds

Marine Policy/Law

Coastal and Marine Spatial planning

- Geographic Information System and Conservation Planning
- Integrated planning for coastal catchments and near-shore marine waters
- Planning for marine eco-tourism
- Application of remote sensing for coastal and marine resource management
- Mapping of underwater habitats
- Spatial planning for priority areas (Ecosystem services, sensitivity mapping, climate change vulnerability assessment, economic development needs)
- Time change analysis for establishing trends as part of CEA monitoring system.

Physical Oceanography

- Circulation Studies in Coastal, Shelf, and Deep-Ocean Environments
- Mechanics of sediment transport with particular emphasis on the processes governing transport in coastal and estuarine areas.
- Land-Sea-Atmospheric interaction and influence on coastal and marine fisheries

Climate Change

- Climate change modeling and application in coastal and marine ecosystems.
- Vulnerability assessments and development of adaptation strategies for key biodiversity targets
- Conservation designs that will maximize resilience of protected areas

Valuation of Major Resources

- Quantification of Tuna Fisheries resources for developing scenarios of sustainable Fisheries Trade in E Africa