



*saving data saving lives*

## The Republic of Zambia



idrn

## o u r M I S S I O N

To assist the scientific and educational communities of mainly developing countries locate, rescue and digitize all environmental data currently at risk on perishable media, and to make those digitized data freely and openly available to the world scientific and educational communities before it is too late.



Thank you to all who make our efforts possible.

# IDRN

volume 5 issue 6

## Contents

### International Data Rescue News

the latest IEDRO activities and accomplishments

### The Republic of Zambia

a country profile and link to IEDRO's Zambia project

### William Mmutle Masetlha Foundation

a look at a Zambian grassroots project

### Lake Kariba

the world's largest man-made reservoir

# International Data Rescue News



Bamako, Mali. May 13-15, 2008

Dr. Richard Crouthamel attended the Data Rescue Meeting in Bamako, Mali.

## IEDRO Advisory Council

IEDRO is seeking members for our Advisory Council. We need highly regarded individuals from public health/medicine/disease mitigation, rural development, agriculture, construction and insurance, or environmental science to join us with their expertise.

## Guatemala Data Rescue Project

After discussions with the Director General, Ing. Eddy Sanchez, IEDRO is preparing a Data Rescue Project with the National Meteorological Service of Guatemala. The USDA has already contacted IEDRO asking for assistance in obtaining data from several sites in Guatemala as part of an agricultural research project.

## Tanzania Data Rescue Project

Martin Munkhondya (Africa Program manager - Malawi) will soon set up the Tanzanian data rescue project. IEDRO already received a list of stations and locations for which they hope to rescue data. Through Martin's visit to Mozambique we received over 49,000 surface weather observations. With IEDRO funding two Uninterruptable Power Supply (UPS) units to Zambia, we hope to see new CDs with more rescued data soon.

## Glacier Data Rescue in Punta Arenas

With the possibility of data rescue of the glacier photographs in the Museum in Punta Arenas IEDRO has taken action to seek funding for the effort. A volunteer is needed to travel to Guatemala to set up the project. Doug Klotter, long time IEDRO volunteer and amateur photographer, was mentioned to possibly support both ventures.

country profile

"One Zambia One Nation"

# Zambia

## Formerly known as Northern Rhodesia, Zambia is

a landlocked country in southern Africa. It is surrounded by eight neighbouring countries. The Republic of Congo is to the north; Tanzania is situated to the northeast; Malawi is to the east; Zimbabwe, Botswana, and Namibia are to the south. Angola is the sole country bordering on the west. This relatively small country (under 800,000 sq km) houses over 12 million people. Over one million Zambians are concentrated in the capital of Lusaka and many in the Copperbelt, one of nine provinces.

Zambia reflects amazing cultural diversity with over seventy ethnic groups. Nine main ethno-linguistic groups: Bemba, Nyanja-Chewa, Tonga, Tumbuka, Lunda, Luvale, Kaonde, Nkoya and Lozi exist. Lusaka and the Copperbelt significantly reflect all of Zambia's ethnic diversity. The Baha'i population of Zambia is over 160,000. The William Mmutle Masetlha Foundation run by the Baha'i community is active in areas of literacy and primary health care. (*see following page*)



The country has a high plateau with some mountains. Only 1.5% of the land contains water including the spectacular Victoria Falls, tucked in the south-west of the country. The Zambezi River which at points is almost one mile wide, drops nearly 330 ft down the falls into Lake Kariba. The climate is tropical with a rainy season from October to April. The only exception to the rainy season is the area of the Barotse Floodplain which sees flooding from December to June.

With a high risk of disease the life expectancy for both sexes is 40 years. HIV/AIDS accounts for

43% of deaths, followed by lower respiratory infections at 12%. Malaria is the third highest cause at 9% but has accounted for 40% of child mortalities. Only 6.5% of children under the age of five use insecticide-treated bed nets which would protect them from malaria transmitting mosquitoes. Malaria transmission is seasonal with the rainy season. Plasmodium falciparum accounts for more than 90% of all infections with one hundred percent of the population living in areas of risk.

April 25, 2008

## Zambia celebrates 1st World Malaria Day

Since 2006 Zambia has shown a 33 percent decline in child deaths with the start of a malaria prevention program (WHO). In Livingstone on April 25 2008, Zambia celebrated the first World Malaria Day with the completion of a four day cycling marathon called the Race Against Malaria. Peter Chintu rode for his four year old son who on the back of his father made it to the hospital too late for treatment to work.

*Traffic accidents which claim a high percentage in many developed countries take only 1% of annual deaths in Zambia.*

The copper mining industry was the main economic contributor until copper prices decreased worldwide in the 1970s. As prices remained low, coupled with a prolonged drought, the country's debt to foreign lenders steadily increased pushing the country into poverty. By the 1990s it was one of the highest per capita debt holders worldwide. It is one of the world's poorest countries with the average per capita income of under \$400.

To increase economic stability the Zambian government is promoting agriculture, tourism, gemstone mining, and hydro-power including allowing international prospecting for nickel, tin, copper and uranium. Rapid population growth and the economic strain of HIV/AIDS related issues cannot at this time be met by Zambia's economic growth. Education past grade seven is not provided by the government leaving many Zambians who cannot afford school fees with a very basic education.

Economic difficulties do little to dissuade Zambians from enjoying their favourite sport - football (soccer in the US). Zambia has a national football team that competed at the Seoul Olympics in 1988. The tenth All Africa Games will be hosted by Zambia in 2011. Lusaka, Ndola, and Livingstone will each house a stadium for the events. Private investment will be required to complete the projects.

IEDRO Zambia PROJECT

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[http://IEDRO.org/  
Zambia.htm](http://IEDRO.org/Zambia.htm)

Zambians love  
football

# William Mmutle Masetlha Foundation

Created in 1995, it is a non-profit organization dedicated to supporting and advancing the Zambian people. At the William Mmutle Masetlha Institute spiritual education is combined with practical training in literacy and primary health care. The foundation also runs a residential school for girls offering both primary and secondary education with a focus on science and agriculture. The education of female children is

considered to be important for the sake of the future of Africa. The Foundation's facilities are north of the capital of Lusaka. Trained facilitators take the Foundation's programs right into the surrounding towns and villages to promote and support the educational needs of rural youth. Rural youth are encouraged to become actively involved in their community life.

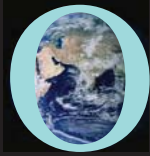
investing in the people of Zambia



Lake Kariba

Lake Kariba is one of the world's largest man-made reservoirs. It sits on the Zambezi River along the border between Zambia and Zimbabwe. Following the completion of the Kariba Dam between 1958 and 1963, Lake Kariba was filled, flooding the Kariba Gorge on the Zambezi River. The lake is over 220 kilometers (140 mi) long and 40 kilometers (20 mi) wide. It covers 5,580 square kilometers (2,150 sq mi) and has a water capacity of 185 cubic kilometers (44.4 cu mi). Lake Kariba has several islands, including Chete Island, Sekula and Chikanka.

# IEDRO



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## International Data Rescue News



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