

# Sources

## Chapter 1 Ecosystems and Ecosystem Services

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## **Lessons Learned and Next Steps**

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## WORLD RESOURCES INSTITUTE

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The World Resources Institute (WRI) is an environment and development think tank that goes beyond research to find practical ways to protect the earth and improve people's lives. WRI's mission is to move human society to live in ways that protect Earth's environment and its capacity to provide for the needs and aspirations of current and future generations.

Because people are inspired by ideas, empowered by knowledge, and moved to change by greater understanding, WRI provides—and helps other institutions provide—objective information and practical proposals for policy and institutional change that will foster environmentally sound, socially equitable development.

WRI organizes its work around four key goals:

- ▶ **People and Ecosystems:** Reverse rapid degradation of ecosystems and assure their capacity to provide humans with needed goods and services.
- ▶ **Access:** Guarantee public access to information and decisions regarding natural resources and the environment.
- ▶ **Climate Protection:** Protect the global climate system from further harm due to emissions of greenhouse gases and help humanity and the natural world adapt to unavoidable climate change.
- ▶ **Markets and Enterprise:** Harness markets and enterprise to expand economic opportunity and protect the environment.



WORLD  
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## DEPARTMENT OF RESOURCE SURVEYS AND REMOTE SENSING

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[www.environment.go.ke/dep\\_drsrcs.php](http://www.environment.go.ke/dep_drsrcs.php)

The Department of Resource Surveys and Remote Sensing (DRSRS) had its beginning in 1976 as the Kenya Rangeland Ecological Monitoring Unit and has since evolved into a full department with the mandate to collect data and monitor the status of natural resources in Kenya. Its main functions are to:

- ▶ Provide data on natural resources.
- ▶ Collect information on the distribution of wildlife and livestock in Kenya's rangelands.
- ▶ Provide land-use and land-cover information for vegetation mapping and forest planning.
- ▶ Supply early warning information for food and disaster management.

In particular, DRSRS is concerned with gathering and analyzing information on wildlife and livestock population trends, human dwellings, vegetative cover, land use, land degradation, crop forecasting, and other environmental variables. DRSRS has developed a geospatial databank based on aerial surveys, aerial photography, high-resolution remote sensing images, and ground sampling data covering the last 30 years. Researchers and analysts at the Department rely on a combination of remote sensing techniques, ground sampling, and geographic information systems to develop structured databases for resource use, modeling, planning, and management geared to address poverty reduction and reverse environmental degradation.



Department of Resource Surveys  
and Remote Sensing  
Ministry of Environment and Natural Resources

## CENTRAL BUREAU OF STATISTICS MINISTRY OF PLANNING AND NATIONAL DEVELOPMENT

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The Central Bureau of Statistics (CBS) is located in the Ministry of Planning and National Development. The mission of CBS is to: coordinate and supervise the National Statistical System; produce and disseminate comprehensive, integrated, accurate, and timely statistics required mainly to inform National Development initiatives and processes; and develop and maintain a comprehensive socio-economic national database.

CBS is mandated by law to collect, analyze, and disseminate socio-economic statistics needed for planning and policy formulation in the country. The functions of CBS fall into the following four categories:

- ▶ Data collection in the areas of industry, labor, population, health, education, agriculture, nutrition, environment, and economics.
- ▶ Data analysis and production of official statistics.
- ▶ Dissemination of results to users and producers.
- ▶ Archiving of survey and census results data.

The Bureau coordinates and supervises Kenya's national statistical system. For data collection, it relies on statistical officers and trained enumerators in every District. Statistical officers are also posted in various Government ministries to augment data collection and analysis in those institutions. CBS is the custodian of all government statistical information including all national household surveys and the National Population and Housing Censuses.



Central Bureau of Statistics  
Ministry of Planning and National Development

## INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE

P.O. Box 30709  
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[www.ilri.org](http://www.ilri.org)

The International Livestock Research Institute (ILRI) works at the intersection of livestock and poverty, bringing high-quality science and capacity-building to bear on poverty reduction and sustainable development.

ILRI's strategy is to place poverty at the centre of an output-oriented agenda. ILRI's strategy focuses on three livestock-mediated pathways out of poverty: (1) securing the assets of the poor; (2) improving the productivity of livestock systems; and (3) improving market opportunities.

ILRI's research portfolio comprises four issue-oriented themes:

- ▶ Targeting and innovation.
- ▶ Improving market opportunities.
- ▶ Using biotechnology to secure livestock assets.
- ▶ People, livestock, and the environment.

ILRI also coordinates the Systemwide Livestock Programme of the Consultative Group on International Agricultural Research (CGIAR).

To achieve its goals, ILRI works in partnerships with other national and international organizations in livestock research, training, and information. ILRI works in all tropical developing regions of Africa, Asia and Latin America and the Caribbean.



World Resources Institute

Department of Resource Surveys and Remote Sensing, Ministry of Environment and Natural Resources, Kenya

Central Bureau of Statistics, Ministry of Planning and National Development, Kenya

International Livestock Research Institute

