

Gender, Biodiversity and Local Knowledge Systems (LinKS) to Strengthen Agricultural and Rural Development (GCP/RAF/338/NOR)

Directory of Institutions working on Gender, Biodiversity and Local Knowledge in Tanzania

LinKS Project Working Document No. 1

REVIEW VERSION

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Developed by Tanzania Food and Nutrition Centre (TFNC) and
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Gender, Biodiversity and Local Knowledge Systems (LinKS)
to Strengthen Agricultural and Rural Development (GCP/RAF/338/NOR)

Funded by the Government of Norway

NOTE TO THE READER:

This is a working document that will be regularly revised and updated. Your additions, comments and suggestions are most welcome. Please contact us at one of the following addresses:

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INTRODUCTION AND OVERVIEW

The purpose of this document is to provide development workers, researchers, policymakers and other interested parties with updated information about institutions in Tanzania that are working in the field of gender, biodiversity and local knowledge systems. The document is based on an inventory developed in 1998 by Tanzania Food and Nutrition Centre (TFNC).

The institutions in the directory fall into four main groups: Government agencies, NGOs, international organisations, and donor-funded projects and programmes. The institutions field of work include research, communication, training, as well as policy and advocacy. Within the above mentioned groups, institutions are selected on basis of their activities in one or more of the following areas:

1. *Local knowledge* (or indigenous knowledge) as it relates to agricultural practices in support of household food security. Of particular interest are efforts addressing gender differences in the local knowledge systems, and/or conservation of biological resources.
2. *Biodiversity conservation* as it relates to agricultural systems and utilisation of natural ecosystems through forestry or fisheries practices. Examples are management of local seed/plant varieties (landrace) and gender differences in local knowledge systems for utilisation of natural resources, community seed exchange, and support for local domestic animal breeds.
3. *Gender* as it relates to the above issues, e.g. gender differences in agro-biodiversity management and roles and responsibilities in local knowledge systems.

The LinKS project: “*Gender, biodiversity and local knowledge to strengthen agricultural and rural development*” is a regional effort aimed at raising awareness of the value of rural people’s knowledge related to the use and management of agricultural biological systems for maintaining and enhancing food security. The project is executed by the Food and Agriculture Organization of the UN (FAO) and funded by the Government of Norway.

The project was launched last year and is currently operating in Zimbabwe, Tanzania and Mozambique. The project is regionally co-ordinated from Harare. Phase I of the project is scheduled to go up to December 2000.

In essence, the project is about linkages. With food security as an entry point, the project focuses on linkages between:

- The crucial issues of local knowledge systems, gender roles and relationships, food provision and the conservation and management of agro-biodiversity; and
- Those who hold the knowledge of use and conservation of agro-biodiversity and those people and forces which have an impact on men and women's ability to manage and apply that knowledge.

The project seeks to strengthen institutions to apply this understanding in planning, research, project management and policy development. The project supports the on-going work of key partner organisations to generate and document information about the gender dimension of agro-biodiversity management, and to set up mechanisms so that the information generated can be shared among and used by communities, NGOs, research institutions and governments.

The project has a small project secretariat in each of the countries, and will be implemented through partner institutions in the countries involved. The basic philosophy is to build on, and add value to, ongoing efforts rather than to establish new projects. Surveys in Zimbabwe and Tanzania have demonstrated that there is a wealth of ongoing activities in the field, but that these often suffer from being undertaken in isolation from each other and lack of sharing of the outputs.

It is our hope that this directory may contribute to bridging the gaps and increase collaboration among institutions with overlapping interests.



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ACRONYMS AND ABBREVIATIONS

CBO	Community Based Organisations
CDTI	Community Development Training Institute
COLE	Commission for Lands and Environment, Zanzibar
DFID	Department for International Development, UK
DONET	Dodoma Environmental Network
EU	European Union
FAO	Food and Agriculture Organization of the United Nations
FTPP	Forest, Trees and People Programme of FAO
HASHI	Hifadhi Mazingira Shinyanga
HIMA	Hifadhi Mazingira Njombe
IDS	Institute of Development Studies, University of Dar es Salaam
IFAD	International Fund for Agricultural Development
IK	Indigenous knowledge
IKS	Indigenous Knowledge Systems
INADES	African Institute for Social and Economic Development of Farmers
IPM	Integrated Pest Management
ITK	Indigenous Technical Knowledge
LinKS	A system that uses women and men's local knowledge for the conservation and utilisation of agro-biodiversity in order to improve food security
NGO	Non-Governmental Organisation
NORAD	Norwegian Agency for Development Co-operation
PELUM	Participatory Ecological Land Use Management
MARECIK	Masailand Resource Centre for Indigenous Knowledge
PRA	Participatory Rural Appraisal
RIPS	Rural Integrated Project Support Programme
SAP	Structural Adjustment Programme
SDWW	Women in Development Service, FAO
SIDA	Swedish International Development Authority
SNV	Stichting Nederlandse Vrijwilligers (Netherlands Development Organisation)
SUA	Sokoine University of Agriculture, Morogoro
TFNC	Tanzania Food and Nutrition Centre
UK	United Kingdom

1 GOVERNMENT POLICY INSTITUTIONS

1.1 MINISTRY OF AGRICULTURE AND FOOD SECURITY

Activities related to gender, biodiversity and local knowledge systems:

- On Farm Seed Production Programme, ASPS (see separate chapter)
- Urban Vegetable Promotion Project (UVPP) (see separate chapter)
- The Tanzania Soil Fertility Initiative (SFI). FAO/World Bank project coordinated by the Ministry, SFI Liaison Office, Department for Research and Development.
- Advocates agricultural research focusing on agro-ecological zones and environmental protection through crop and animal husbandry practices to optimise soil and water conservation.

Address/Location:

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 DAR ES SALAAM
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 E-Mail: DRD@ud.co.tz

5. Contact Person(s):

Mrs. J. Kaaya
 Mrs. Theresia P. Msaki

■ FARMERS EDUCATION AND PUBLICITY UNIT

Activities related to gender, biodiversity and local knowledge systems:

- The unit's main areas of work include agriculture, farmers training, communication and gender.
- The unit conducts residential training of farmers on various topics, including food processing, media, and gender issues. A requirement for the training workshops is that at least 30% of the participants in the training are women and 30% youth.
- The unit publishes farmers' newsletters (2)magazines and posters, booklets, pamphlets and other publications. The unit produces videos episodes as well as two weekly radio programmes: crop (Tuesdays), livestock (Wednesdays) and "mixed topics"

Address/Location:

P. O. Box 2308
 DAR ES SALAAM
 Tel. 2116496
 Fax. 255-22-212293

Contact Person(s):

Mr H.L. Nyangi, Head of Unit
 Ms E.T. Njiku, Senior Agricultural Extension Officer
 Ms H. S. Mlaki, Managing Editor
 E-mail fpu@twiga.com

1.2 MINISTRY OF COMMUNITY DEVELOPMENT, WOMEN AFFAIRS AND CHILDREN

Activities related to gender, biodiversity and local knowledge systems:

The Ministry's *Women's Information Centre* (opened 1999) aims at institutional strengthening and empowerment. Activities include collecting and maintaining of information on women, children and community development, to facilitate users' access to such information in the country and abroad, and to disseminate information through a variety of means (newsletter, booklets, leaflets, posters, and press clippings).

Address/Location:

Kivukoni Front
 P.O. Box 3448
 Dar es Salaam
 Tel: 255-22-2134649, 2111459, 2120129
 Fax:255-22 -111459
 E-mail: wic@cats-net.com (Women's Information Centre)

Contact Person(s):

Mrs. Edina E. Mangesho, Director of Gender Development
 Ms. Maria Kisanga, Director, Women's Information Centre
 Mr. Ernest Zayumba, Community Development Officer
 Mr. A. M. Kamagenge

References:

Women's Information Centre, 1999. WicNews No. 1-3. Ministry of Community Development, Women Affairs and Children (MCDWAC), Dar es Salaam.

Women's Information Centre, Information leaflet. Ministry of Community Development,

Women Affairs and Children (MCDWAC), Dar es Salaam, 2 pp.

1.3 MINISTRY OF TOURISM, NATURAL RESOURCES AND ENVIRONMENT

FORESTRY AND BEEKEEPING DIVISION

Activities related to gender, biodiversity and local knowledge systems:

- Catchment Forestry Project in Tanzania: Management and conservation of Catchment Forest Reserves in Arusha, Kilimanjaro, Morogoro and Tanga Regions. Community forestry management, starting 1998, involving local people in conservation through activities such as tree planting and establishment of tree nurseries. Mapping of villagers' use of forest products through PRAs.
- Soil Conservation projects in Iringa (HIMA), Dodoma (HADO) and Shinyanga (HASHI)
- Raising of tree seedlings, production of information, communication and educational material such as posters, leaflets, newsletters and other publications, airing weekly radio programmes on forestry.

Address/Location:

Ivory Room, Nyerere Road
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E-Mail: misitu@twiga.com

Contact Person(s):

Ms Hadija Ramadhani, Senior Forest Officer, Forest Extension Section

References:

Kaale, B.K., 1984. Trees for village forestry. Booklet, Ministry of Natural Resources and Tourism.

Vainio-Mattila, K., Mwasumbi, L., and Lahti, K. 1997. Traditional Use of Wild Vegetables in the East Usambara Mountains. East Usambara Catchment Forest Project, Technical Report No. 37. Forestry and Beekeeping Division & Finnish Forest and Park Service, Dar es Salaam & Vantaa.

DISTRICT NATURAL RESOURCES OFFICE, MTWARA

Activities related to gender, biodiversity and local knowledge systems:

- Local methods for weather forecasting, local rainfall indicators (grassroots indicators)
- PRAs involving documentation and sharing of local knowledge
- Supporting seaweed farming.
- Production of pamphlets on fisheries and calender on forestry.

Address/Location:

P. O. Box 653
MTWARA
Tel. 023-2333873
Fax. 023-2333268

Contact Person(s):

Mr Lameck D. Kinyunyu

1.4 VICE PRESIDENT'S OFFICE

DIVISION OF ENVIRONMENT

Address/Location:

P.O. Box 5380
DAR ES SALAAM
Tel: 255 – 22- 2113983, 2118416
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Contact Person(s):

Mr. E. K. Mugurusi, Director of Environment
Mr. R. Yonazi

NATIONAL ENVIRONMENT MANAGEMENT COUNCIL (NEMC)

Brief description:

NEMC is the Tanzanian national advisory and co-ordination body for the environment. NEMC is located under the Vice President's Office. NEMC works within various sectoral policy frameworks such as agriculture, industry, natural resources, land and human



settlement. It collects and disseminates all information on environment from within and outside Tanzania.

Address/Location:

TANCOT House, 3rd Floor
P. O. Box 63154
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Tel: 255 – 22- 2134603/21227817
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Contact Person(s):

Mr M. Ngoile, Director General
Mr F. Rugiga
Mrs. A.T. Maembe, Director of Research, Environmental Education and Documentation

1.5 ZANZIBAR, COMMISSION FOR EXTENSION AND RESEARCH

Brief description:

The Commission's main areas of work are agricultural extension, plant protection, Integrated Pest Management (IPM)/Farmer Field Schools

Activities related to gender, biodiversity and local knowledge systems:

- Farmer Field Schools. Started in Zanzibar in 1997, supported until December 1998 by the Dutch government. A third phase is now being implemented. There is some focus on IKS in the IPM programme through traditional pest management, documented through participatory methods (mainly PRA). Some information on local knowledge on preserving seeds have been collected, e.g. the use of ash to prevent pest attacks.
- The Commission works with community-based women and youth groups to improve their knowledge on agriculture.
- Zanzibar Cash Crop Farming System Project (ZCCFSP), an ODA/DFID sponsored project 1992-1996. The project's main goal was to investigate alternative cash crops in Zanzibar.

Address/Location:

P.O. Box 1062
ZANZIBAR
Tel: 024-232110
Fax: 024-232110



E-mail: ppdznz@twiga.com

Contact Person(s):

- Mr. Mberik Rashid, Deputy Commissioner
- Mr. Hassan A. Nadhif, Coordinator for the IPM programme,
- Mrs Nuru Ramsa, Acting Chief Extension Officer.
- Mr. Ahmed Rashid (MALNR), contact person for the ZCCFSR project.

References:

De Villiers, A.K. 1995. Quantifying Indigenous Knowledge (QuIK); A Rapid Method for Assessing Crop Performances without Field Trials. Examples of its use in Ginger and Mango Research. TR 95/24, Zanzibar Cash Crop Farming Systems Project. 23 pp.

ZCCFSP Publications list. ODA(DFID)/Commission of Extension and Research. 6 pp.

1.6 ZANZIBAR, COMMISSION FOR LANDS AND ENVIRONMENT (COLE)

Brief description:

COLE is part of the Ministry of Water, Construction, Lands and Environment. Among the responsibilities are the legislation under the Environmental Management Policy, the National Land Use Plan, and the Tourism Zoning Plan.

Activities related to gender, biodiversity and local knowledge systems:

- Land information systems and environmental economics.
- Translation and legislation of international policies/conventions to national policies in matters pertaining to land and environment.
- Projects on Community-Based Conservation (CBC)

Address/Location:

P. O. Box 811
ZANZIBAR
Tel. 024-230269, 230741, 232288
Fax. 024-232394

Contact Person(s):

Mr Kassim M. Suleiman, Executive Secretary
Mr Hamza Zuberi



1.7 ZANZIBAR, COMMISSION FOR NATURAL RESOURCES

Brief description:

The commission is a department under the Ministry of Agriculture, Livestock and Natural Resources. Main activities are in the fields of forestry and natural resource management.

Activities related to gender, biodiversity and local knowledge systems:

- Tree planting and village forestry, including plantations and village afforestation. There are currently 6 forest plantations, 5 of which at Unguja. Tree planting efforts started in the early 1980s and went on until 1992. Due to land shortages more emphasis since then has been given to village forestry. The aim of village afforestation is planting of multipurpose tree species. These are mostly exotic species, as indigenous species are perceived to be less attractive to villagers.
- Involving farmers in forest conservation. Conservation efforts target remnants of natural forests, comprising roughly 3000 ha at Unguja and 1500 ha at Pemba. The focus is on natural regeneration. The commission works with villagers to establish conservation committees. One of the current aims is to establish an NGO that could take these efforts further.

Address/Location:

P.O. Box 3526
ZANZIBAR
Tel/Fax: 054-31252

Contact Person(s):

Mr Amour B. Omar, Planning Officer

References:

Kombo, Y.H. and Shah, A. S. 1996. Joint Management (JFM): Forging Links with Stakeholders. Zanzibar Forestry Technical Paper No. 43.

Makame, M.K., Kombo, Y.H. and Fakih, S. A. 1996. A case Study on the Utilization of Indigenous Tree Species Sticks in Seaweed Cultivation in Unguja. Zanzibar forestry Technical paper No.39.

1.8 ZANZIBAR, MINISTRY OF AGRICULTURE, LIVESTOCK AND NATURAL RESOURCES

Activities related to gender, biodiversity and local knowledge systems:

- The Ministry has a policy on forestry and is currently revising the agricultural sector policy, which will include policies on Agriculture, Livestock and Fisheries.
- The Zanzibar National Forest Policy advocates protection, conservation and development of forest resources for the social, economic and environmental benefit of present and future generations.

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Contact Person(s):

Ms Amina Kh. Shaaban, Director of Planning Department

2 GOVERNMENT RESEARCH AND TRAINING INSTITUTES

2.1 ANIMAL DISEASES RESEARCH INSTITUTE (ADRI)

Brief description

1. Documentation of IK information in the field of Ethnoveterinary medicine,
2. Validation of efficacy,
4. Characterization of unique principles in plants

Activities Related to LinKS

- Field surveys involving Traditional healers in Ethnoveterinary medicine discipline.
- Collection of samples used in the treatment and prevention of diseases,
- Laboratory testing of the collected samples

Full Address/location

[TO BE INSERTED]

2.2 COOPERATIVE COLLEGE MOSHI

Brief description:

The Co-operative College is a long established rural development and training institution with over thirty years of experience. It offers a combination of studies, theoretical and practical, in Business Management, Accounting, Organizational Development and Rural Intervention. It is a cobweb Institution with its head office in Moshi closely linked with its Field Education offices in every region of Tanzania.

The College is a semi-autonomous institution with its own Body of Governors. It is organised in four Directorates. These are:

- Studies and Programme (DSP)
- Field Education (DFE)
- Research and Consultancy Services (DRCS)
- Manpower Development and Administration (DMDA)

Activities related to gender, biodiversity and local knowledge systems:

The College believes in, and promotes, the adoption of participatory methodologies whose underlying philosophy emphasizes respect to human dignity and capability. Within

the context of this belief the College focuses its training, research and consultancy on the following key areas.

- Organisational development encompassing change management and institutional capacity building;
- Equity and gender participation;
- Environmental sustainability;
- Poverty alleviation.

Indigenous Soil and Water Conservation Programme (ISWCP), collaboration with the Free University of Amsterdam. The programme operates in Tanzania and 6 other African countries. The programme focuses on the dynamic aspects of local knowledge, on innovation and development undertaken by farmers on their own, the value of this, and on methods and approaches for extension and research to support this.

In Tanzania, ISWCP operates in 7 districts, mostly in the Southern Highlands. Activities of the programme include identification and analysis of innovative SWC activities by farmers, facilitation of cross visits among farmers, and initiation of on farm experimentation. At present the policy aspects are high on the agenda. Contact person is O.T. Kibwana.

- Gender and development department (GAD) under the Field education department develops and carries out field training activities, research, and consultancy and advisory services on gender issues.

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Sokoine Road
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MOSHI
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Fax: 027 2750806
E-mail: iswcp@form-net.com and copco_mos@form-net.com

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Damball, E. (Mrs.)
Dar es Salaam Wing, P.O. Box 40913 Dar es Salaam
Mr. Uronu, A.A.
Dodoma Wing, P.O. Box 1167, Dodoma
Mr. I. Madundo
Iringa Wing, P.O. Box 1683, Iringa

Mr. Mwesiga M.
 Kagera Wing, P.O. Box 694, Bukoba
 Ms. Luleka, M.
 Kigoma Wing, P.O. Box 55, Kigoma
 Mrs. F.A. Macha
 Kilimanjaro Wing, P.O. Box 3091, Moshi
 Mr. Mruma, A.O.
 Mbeya Wing, P.O. Box 678, Mbeya
 Mr. Temu, J.M.
 Morogoro Wing, P.O. Box
 Mr. Mkoma, G.E.
 Mtwara Wing, P.O. Box 565, Mtwara
 Mr. Rugina, B.W.
 Mwanza Wing, P.O. Box 1463, Mwanza
 Mr. Mwanandenje, P.
 Rukwa Wing, P.O. Box 335, Sumbawanga
 Mr. Ringo, J.J.
 Ruvuma Wing, P.O. Box 472, Songea
 Mr. Malunde, C.
 Shinyanga Wing, P.O. Box 579, Shinyanga
 Mr. Gatahwa, M.S.
 Singida Wing, P.O. Box 545, Singida
 Mr. Mwizarubi, N.
 Tabora Wing, P.O. Box 212, Tabora
 Wing Tutor
 Tanga Wing, P.O. Box 1406, Tanga

The Southern Highlands Dairy Development Project (SHDDP) is implemented in Iringa and Mbeya Regions. Funded by Swiss Development Cooperation, it is now in its final phase which ends in 2003.

References:

Bee, F., Ngailo, L.N., and Yoshida, M. 1997. The changing farming environment in Tanzania: The case of selected villages in Kilimanjaro. *African Study Monographs*, 18(2):59-71.

Free University Amsterdam, International Institute for Environment and Development, London; and Educational Training Consultants, the Netherlands. Indigenous Soil and Water Conservation in Africa (ISCWP), Phase II: Information leaflet. 8 pp.

2.3 INSTITUTE OF TRADITIONAL MEDICINE (ITM)

Activities related to gender, biodiversity and local knowledge systems:

- Research on traditional use of medicinal plants
- Wild food plants and additives in health and dietary sufficiency
- Biodiversity prospecting policies in Tanzania

Address/Location:

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 P.O. Box 65001
 Dar es Salaam
 E-mail: ditm@muchs.ac.tz
 Tel: 022-2150096, 2150302/6
 Fax: 022 2151599, 21504465

Contact Person(s):

Prof. Rogasian L.A. Mahunnah (Director)
 Dr F.C. Uiso (Senior Research Fellow)

References:

Chabra, S.C., Mahunnah, R.L.A., and Mshiu, E.N. 1987. Plants used in Traditional Medicine in Eastern Tanzania. Elsevier, Ireland. 24 pp.

Mhoro, Timothy, J.E.B., and Uiso, Febronia C. 1995. Edible Plants of Mara Region, Tanzania. Gordon and Breach Science Publishers, SA. 84 pp.

Mahunnah, R.L.A. and Mshigeni, K.E. 1996. Tanzania's Policy on Biodiversity Prospecting and Drug Discovery Programs. Publisher: Elsevier Scientific Publishers Ireland Ltd.

2.4 SUA CENTRE FOR SUSTAINABLE RURAL DEVELOPMENT (SCSRD)

Brief description/Activities related to gender, biodiversity and local knowledge systems:

SCSRD started as a result of the JICA-sponsored miombo woodlands project in Ruvuma. The aim of SCSRd is to be a group of scientists at SUA to conduct research, development, and networking for Uganda, Kenya and Tanzania. The centre will conduct training in participatory rural development and local knowledge for SUA students. The main focus of the centre's work will be agricultural projects.

Address/Location:

Sokoine University of Agriculture
P.O. Box 3002
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Fax: 023-4758
E-mail: suajica@suanet.ac.tz, daee@suanet.ac.tz

Contact Person(s):

Prof. A. Z. Mattee, Director

2.5 SUA FACULTY OF AGRICULTURE

■ DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION (DAEE)

Activities related to gender, biodiversity and local knowledge systems:

- Miombo woodlands project, Ruvuma Region. The project (1994-1997) was carried out in collaboration with Kyoto University in Japan. The project initiated SUA Centre for Sustainable Rural Development (SCSRD), see above.
- Uluguru Mountain Agricultural Development Project (UMADEP). UMADEP has been operating since 1993. The head of DAEE is the Chairman of the UMADEP Technical Committee. Among the project's strategies is the merging farmer's indigenous knowledge with new knowledge. Project activities include training of change agents, PRA at village level, diversification and promotion of indigenous crops, improving traditional practices for paddy, environmental conservation, and support to farmer groups.
- Projects on human-created microenvironments and traditional irrigation schemes (Dr Mvena).

Address/Location:

Sokoine University of Agriculture
P.O. Box 3002
MOROGORO
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Fax: 023-3718

Contact Person(s):

- Prof. D. Rutatora (Ruvuma Project, UMADEP). E-mail: Rutatora@sua.ac.tz
- Prof. A.Z. Mattee (UMADEP Coordinator)

- Mr. A. Mgumia (UMADEP Agricultural Officer)
- Dr Z. S. K. Mvena

References:

Rutatora, D.F. 1997. Strength and Weaknesses of the Indigenous Farming Systems of the Matengo People of Tanzania. Indigenous Knowledge and Development Monitor, 5 (2), August 1997.

JICA, 1998. Integrated Agro-ecological Research of the Miombo woodlands in Tanzania: final report, Japan International Cooperation Agency. Faculty of Agriculture, Sokoine University of Agriculture and Center for African Area Studies, Kyoto University. Japan International Cooperation Agency (JICA). 413 pp.

■ DEPARTMENT OF AGRICULTURAL ENGINEERING

Activities related to gender, biodiversity and local knowledge systems:

Mapping of local methods for land classification. The department has participated in a study on local knowledge in land and water management, looking at how local characterisation differs from conventional methods. The project, funded by EU, is now in its 3rd and final year. One of the aims is to develop a GIS database. The project has covered the lake zone (Tanzania and Uganda).

Address/Location:

Sokoine University of Agriculture
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Fax 023-3718
Email: swmr@twiga.com

Contact Person(s):

Dr Nuhu Hatibu

■ DEPARTMENT OF CROP SCIENCE AND PRODUCTION, SUA

Activities related to gender, biodiversity and local knowledge systems:

- Staff with skills in biotechnology, horticulture, crop protection, breeding, agronomy and entomology.
- The department conducts on-farm training on various agricultural innovations, such as testing of improved seeds.



- Research project activities on collection of indigenous plants for conservation, plant breeding, agronomy and entomology.
- Research on status and diversity of indigenous vegetables and fruits (uses, common names, gender roles) (Mr Mgembe).
- Mapping of agrobiodiversity in Tanzania (Prof. Sibuga)

Address/Location:

Sokoine University of Agriculture
P. O. Box 3005
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Tel. 023-3681
Fax. 023-3718

Contact Person(s):

- Dr. S.O.W.M. Reuben, Head of Department
- Prof. K.P. Sibuga
- Mr Elias Richard Mgembe (Horticulture section). E-mail: emgembe@hotmail.com
- Mr Theodosy Msogoya (Horticulture section)

■ **DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY**

Activities related to gender, biodiversity and local knowledge systems:

- Training module on food security. The target group for the manual is community workers in the SADC region; extension workers, graduates, and others working with villagers.
- Identification and characterisation of food insecure groups. (Dr J. Kinabo)
- Study on indigenous alcoholic beverages in Tanzania (Dr H. S. Laswai)

Address/Location:

Sokoine University of Agriculture
P.O. Box 3006
MOROGORO
Tel: 056-3511-4

Contact Person(s):

Dr Joyce Kinabo
Dr H.S. Laswai

References:

Laswai, H.S., Wendelin, A.M., Kitabatake, N., and Mosha, T.C.E. 1997. The under-exploited indigenous alcoholic beverages of Tanzania: Production, consumption and



quality of the undocumented “Denge”. African Study Monographs, 18(1):29-44.

2.6 SUA FACULTY OF FORESTRY

■ **DEPARTMENT OF FOREST BIOLOGY**

Activities related to gender, biodiversity and local knowledge systems:

- Training and research in community forestry, agroforestry, silviculture, plant protection, soil science, wildlife, botany and ecology.
- Project on local uses of wildlife, wildlife farms and sustainable co-existence of wildlife and people in Mikumi and Udzungwa. The overall goal is to improve the management of resources outside the national parks. Contact person: Dr S.L.S. Maganga.

Address/Location:

Sokoine University of Agriculture
P. O. Box 3010
MOROGORO
Tel. 023-4944
Fax. 023-2628
E-Mail: forestry@SUA.AC.TZ

Contact Person(s):

Dr. S.M.S. Maliondo, Unit Head
Dr. S.L.S. Maganga

References:

Mtambo, M.M.A., Mushi, E.J., Kinabo, L.D.B., Maeda-Machang’u, A., Mwamengele, G.L.M., and Yongolo, M.G.S. In press. Prophylactic and therapeutical efficacy of locally available plant extracts against Newcastle disease in the domestic fowl in Tanzania. Draft, 8 pp.

■ **DEPARTMENT OF FOREST ECONOMICS**

Activities related to gender, biodiversity and local knowledge systems:

- Conservation and utilisation of forests in the East Usambara Mountains (Kessy, 1998),



- Pipeline project on community based forest management (Tabora, Babati), including gender roles and local institutions. Collaboration between researchers at SUA and local people (NGOs, CBOs) identified through the FTTP programme.

Address/Location:

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MOROGORO
Tel: 023-4865, 4648, 3511-4
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E-mail: forestry.econ@twiga.com

Contact Person(s):

Dr G. Monela, Head of Department
Dr J. Kessy

References:

Kessy, J.F., 1998. Conservation and Utilization of Natural Resources in the East Usambara Forest Reserves: Conventional Views and Local Perspectives. Ph.D. dissertation, Wageningen Agricultural University, The Netherlands. Location: FAO (Dar es Salaam).

■ **DEPARTMENT OF FOREST MENSURATION AND MANAGEMENT**

Activities related to gender, biodiversity and local knowledge systems:

- Area of interest: institutional arrangements in local knowledge and how they shape management systems, reconstitution of eroded institutions.
- Ongoing study involving institutional analysis of miombo woodlands in Handeni, Babati, and Iringa.
- Coping strategies against deforestation, impact of socio-economic factors and gender-based indigenous knowledge (M.Sc. study by Katani, 1999).

Address/Location:

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E-mail: forestry.econ@twiga.com



Contact Person(s):

Dr G. Kajembe

References:

Katani, J.Z. 1999. Coping Strategies Against deforestation: Impact of Socio-Economic Factors with special attention to Gender-based Indigenous Knowledge: A case Study of Mwanza District. Sokoine University of Agriculture, Morogoro.

Kajembe, G.C. 1994. Indigenous management systems as a basis for community forestry in Tanzania: a case study of Dodoma urban and Lushoto Districts. Tropical Resource Management Papers, No. 6, Wageningen Agricultural University, the Netherlands. 194 pp.

2.7 SUA FACULTY OF VETERINARY SCIENCES

■ **DEPARTMENT OF PHYSIOLOGY, BIOCHEMISTRY, PHARMACOLOGY AND TOXICOLOGY**

Activities related to gender, biodiversity and local knowledge systems:

- Main areas of activity include veterinary sciences, food storage and human health.
- Food storage and health. Study on the harvest process and generation of carcinogenic (cancer-causing) substances in the process, and potential transferral of these into milk and meat. For example, some storage systems for maize may produce toxins. (Prof. Ngomuo)
- Use of Neem tree as an organic pesticide. The Neem tree has been used traditionally in some places as a pesticide (e.g. Zanzibar), but many are not aware of its effect. The effect is documented, and the tree may provide a cheap alternative to expensive pesticides. Neem may also be used for other purposes (curing diseases, anti-worm, fodder). (Prof. Ngomuo)

Address/Location:

Sokoine University of Agriculture
P.O. Box 3017
MOROGORO

Contact Person(s):

Prof. Ahmed Juma Ngomuo, E-mail: ajngomuo@suanet.ac.tz

References:

Ngomuo, A.J. 1996. Neem (*Azadirachta indica*) extracts potential use in agricultural



production: pharmacological and toxicological properties of its active constituents.

■ **DEPARTMENT OF VETERINARY MEDICINE AND PUBLIC HEALTH**

Activities related to gender, biodiversity and local knowledge systems:

- Interest in the impact of current changes in veterinary services on the use of IKS (Dr Mlangwa)
- Current work involve testing medicinal plants for treatment of animal diseases (Dr Mtambo)

Address/Location:

Sokoine University of Agriculture
P.O. Box 3021
MOROGORO
Tel: 023-4978-80, 4647, 4542
Fax: 023 177, 4088

Contact Person(s):

- Dr J.E.D. Mlangwa
- Dr M.M.A. Mtambo, E-mail: madundo@suanet.ac.tz

■ **DEPARTMENT OF VETERINARY MICROBIOLOGY AND PARASITOLOGY**

Activities related to gender, biodiversity and local knowledge systems:

- Project on local knowledge in animal health and production systems, gender perspectives. Case studies in various regions in Tanzania: (1) Intensive livestock systems: Kilimanjaro Region, Hai District, (2) Pastoral: Mara Region (Kunja and Luo Districts), changing to agropastoral, (3) Agropastoral: Mbeya region (Isangu District), (4) Pastoral: Handeni. (Prof. Maeda-Machang'u)

Address/Location:

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Tel: 023-4944, 4647, 4979/80, 4698
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Contact Person(s):

Prof. Amy D. Maeda-Machang'u, E-mail: amaeda@suanet.ac.tz



References:

Maeda-Machang'u, A.D., Mutayoba, S.K., Laswai, G.H., Kurwijila, R.V. and Kimambo, E.S. 1995. Local knowledge in animal health and production systems: gender perspectives. Final Report, June 1995. Sokoine University of Agriculture, Morogoro, Tanzania.

2.8 SUA-TU PROJECT

Brief description:

The SUA-TU started as a collaboration between SUA and Tuskegee University in Alabama, USA. The first phase, finalised in 1995, has been focusing on capacity building. The second phase is supported by USAID. Among the topics is community-based conservation.

Activities related to gender, biodiversity and local knowledge systems:

- The project operates through extension workers at district and village level. Institutional counterparts: AWF, Epiq, USAID, TANAPA, Africare, NEMC, WWF, Inyuaat-e-Maa. The project is also involved in the IK soil & water conservation project (Arumueru, Mbeya, Njombe, Iringa, Mulunga), and collaborate with INADES in Dodoma on farmer innovations.
- So far the project operates in 17 villages in Morogoro Region. The plan is to expand to Tarangire National Park and Ugalla River Game Reserve. The project focuses on issues related to local use of natural resources vs. environmental conservation.
- Newsletter CRIES (Community Resource Improvement for Environmental Sustainability).

Address/Location:

Institute of Continuing Education,
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P.O. Box 3044
MOROGORO
Tel: 023-3511/4, 3718 (Project Coordinator)
Fax: 023-3718

Contact Person(s):

- Dr H.O. Dihenga, Project Coordinator
- Dr G. Kimbi

2.9 TANZANIA FOOD AND NUTRITION CENTRE (TFNC)

Brief description:

Main areas of activity are nutrition, food security, communication and training.

Activities related to gender, biodiversity and local knowledge systems:

- Research in nutrition, food security, nutrition in forestry and communications.
- TFNC has been involved in the formulation of the National Food and Nutrition Policy.
- Incorporation of food and nutrition issues into relevant sectoral policies.
- Translation of the International Code of Breast milk substitute for local application.
- Policy on Universal Salt Iodation.
- Production and dissemination of various training and educational materials e.g. publications, pamphlets, leaflets, posters.
- Sensitization and advocacy on gender balanced household roles and activities.
- Conduct training in matters relating to food, nutrition and related areas and on participatory methods.
- Airing radio and television programs.

Address/Location:

22 Ocean Road,

P. O. Box 977

DAR ES SALAAM

Tel. 022-2118137, 2118139,2118138

Fax. 022 -2116713

E-Mail: tfnc@muchs.ac.tz, tfnc@Costech.gn.apc.org

Contact Person(s):

Dr. W. Lorri, Managing Director

Mrs H.H. Missano, LinKS National Coordinator. E-mail: tfnc@muchs.ac.tz or hhmissano@hotmail.com

Mrs Leah Kayombo

Mr Tumaini Charles

References:

Lorri, W., 1994. The Food Processing Sector in Tanzania: The State of Art and the Role of Women. (Location: MCDWAC).

Missano, H., Njebele, C., Kayombo, L. and Ogle, B. 199? Dependency on Forests and Trees for Food Security. Swedish University of Agricultural Science. International Rural Development Centre. 48 pp.

Mosha, A.C.1997. Hifadhi Vizuri Nafaka Yako (Better Ways of Grains Storage). 61 pp. (Location: TFNC).

2.10 TROPICAL PESTICIDES RESEARCH INSTITUTE (TPRI)

Brief description:

The mandate of TPRI is to conduct research on pesticide application and behaviour in relation to the control of tropical pests, and to offer technical services on various aspects of pesticide quality control, plant quarantine, herbarium and plant genetic resources. TPRI hosts the national herbarium and the National Plant Genetic Resources of Tanzania. The research division of TPRI focuses on plant protection, diseases and pest residues.

Activities related to gender, biodiversity and local knowledge systems:

- *The National Herbarium* has conducted a joint training program between TPRI and the Missouri Botanical Garden, including a component on ethnobotany.
- *The research division:* Work on indigenous knowledge on pest management. The work includes mapping of diseases and plants used for treatment (Mr B. Kaoneka).
- *The National Plant Genetic Resources Centre of Tanzania* is responsible for development of national policies, guidelines and legislation for conservation and exchange of germplasm. The centre is linked regionally to the Lusaka based SADC Plant Genetic Resource Centre (SPGRC). Main activities are exploration and collection of germplasm, conservation, documentation, multiplication and regeneration, and provision of germplasm and information for users. The centre collects germplasm through rural missions and stores it in the SADC database. Some information on uses is collected, and dissemination of information to farmers is through plant breeders. The centre wants to establish on-farm activities and collaborate directly with farmers, but there are as yet no concrete activities.

Address/Location:

P.O. Box 3024

ARUSHA

Tel: 027-8813/14/15, 8042 (Director), 0812-400645

Fax: 027-8217

E-mail: tpri@habari.co.tz, nht@habari.co.tz, TPRI@Marie.gn.apc.org (National Plant Genetic Resources Centre)

Website: www.habari.co.tz/tpri

Contact Person(s):

Dr William Mziray (National Herbarium)

Dr Charles Muangirwa (Head of Research Division)
 Mr Bakari Kaoneka (Research Division, Pest Residues)
 Mrs Margaret, (National Plant Genetic Resources Centre)

2.11 UDSM DEPARTMENT OF BOTANY

Activities related to gender, biodiversity and local knowledge systems:

- Main activities: teaching and research in botany and applied microbiology.
- Tanzanian mushrooms and their uses (Mr L. Mwasumbi)
- Propagation and phytochemical studies of economically important/ endangered plant and mushroom species of Tanzania. A multidisciplinary project by the departments of Botany (including the Applied Microbiology Unit) and Chemistry. (Dr F.S. Magingo and others)
- The soil seed bank dynamics of the Kondoa Irangi Hills, central Tanzania (Dr H. Lyaruu)
- Herbarium: largest selection of plants in Tanzania (Mr L.B. Mwasumbi)
- Mangrove ecology in Tanzania
- Biodiversity country study, terrestrial plant component (1996) (H. Lyaruu, L.B. Mwasumbi, S. Eliapenda)

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 Fax: 022- 2410038

Contact Person(s):

Dr F.M. Elia (Senior Lecturer and Head of Department)
 Mr L.B. Mwasumbi (Curator)

References:

Härkönen, M., Saarimäki, T. & Mwasumbi, L.: Edible mushrooms of Tanzania. – *Karstenia* 35, Suppl. 1-92. *

Karhula, P., Härkönen, M., Saarimäki, T. Verbeken, A. & Mwasumbi, L.: Tanzanian mushrooms and their uses 1-6. *Karstenia* various issues.

2.12 UDSM DEPARTMENT OF ZOOLOGY

Activities related to gender, biodiversity and local knowledge systems:

- Human-wildlife interface in Western Serengeti: on-going Research by Senzota, R.B.M., Banyikwa, F., Mturi, F., Mniachi, A. and Mung'ongo, C.
- Varietal resistance of stored maize to *Prostephanus truncatus* (Horn) and *Sitophilus zeamais* (Motsch.) in Tanzania: research in progress by Costancia P. Rugumamu (Ph.D. student)

Address/Location:

P.O. Box 35064
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 Tel: 2410500-8
 Fax: 2412127

Contact Person(s):

Dr. Fatina A. Mturi (Senior Lecturer)
 Mrs Costancia P. Rugumamu (Ph.D. Student)

References:

Rugumamu, C. and Mtumbuka, E. 1998. Efficacy of indigenous materials to insect pests of household stored crops: A strategy for food security in Tanzania. Tanzania Association for Women Professionals in Science and Technology (TAWOSTE), University of Dar es Salaam. 26 pp.

Rugumamu, C.P., Sekwao, C., and Busyanya, G. 1998. Assessment of Gendered Household Crop Storage Technologies in Rural Tanzania. Tanzania Association for Women Professionals in Science and Technology (TAWOSTE), University of Dar es Salaam. 34 pp.

2.13 UDSM INSTITUTE OF DEVELOPMENT STUDIES (IDS)

Brief description:

Areas of interest include energy, rural development, gender studies, environment, population and development, urban management and planning, foreign aid projects, agrarian and rural change and development, local governance, role of NGOs, entrepreneurship and innovation management, and social public policy.

Activities related to gender, biodiversity and local knowledge systems:

- Rural Food Security (RFS) study, supported by Oxfam. The study was a policy-oriented action research. Three main objectives were: (1) to deepen understanding of the range of factors which undermine or improve food security within rural households, (2) to identify specific and achievable policy changes which if implemented will strengthen the food security of rural households, and (3) to engage with relevant policymakers in order to promote and realise these changes, in conjunction with a public communications strategy. Fieldwork was undertaken in Ngorongoro and Shinyanga Rural Districts. A series of feedback workshops have been held at community and district levels.
- Research programmes on: the effects of SAP on indigenous technological capacity, impacts of the penetration of market economy on peasant women, institutional and policy constraints to sustainable agriculture, dynamics of development in Tanzania, and democratisation and local government in Tanzania.
- Consultancies on: development of a directory on donors and their activities on WID and gender in Tanzania, and the role of NGOs in promoting the economic advancement of rural women.

Address/Location:

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 Fax: 022-2410237, 2410078, 2410514
 E-mail: ids@udsm.ac.tz

Contact Person(s):

- Dr P.C.L. Kamuzora, Associate Director (Research), IDS
- Dr Bertha Koda
- Prof. Marjorie Mbilinyi

References:

Mbilinyi, M and Manda, P. 1998. Rural Food Security Policy and Development in Tanzania. Review of the Literature and Annotated Bibliography. Report Prepared for Oxfam-Tanzania as part of the Rural Food Security Policy and Development Research Project. 112 pp.

Mbilinyi, M. J. Rural Food Security Policy and Development: Introduction and Synthesis. (+abstract in Swahili)

Mbilinyi, M., Koda, B., Mung'ong'o, C. and Nyoni, T. 1999. Report on the National Feedback Workshop on Rural Food Security Policy and Development, Tanesco Training

Center, Morogoro, 15-16 April 1999 enTitled.(Swahili)

2.14 UDSM INSTITUTE OF MARINE SCIENCES (IMS)

Activities related to gender, biodiversity and local knowledge systems:

- Research on seaweed farming
- Research on fish farming: one year pilot project in the north-west part of Zanzibar. Part focus on local knowledge involved in fishing activities.
- Planned activities include (1) Research on octopus fishing. Examination of reasons for early closing of the season, (2) Continuation of fish farming project.
- Research on rehabilitation of coral reefs and mangrove plantation

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 Fax: 024-33050
 E-mail: julius@zims.udsm.ac.tz, ims@zims.udsm.ac.tz

Contact Person(s):

Dr Julius Francis, Director.

2.15 UDSM INSTITUTE OF RESOURCE ASSESSMENT (IRA)

Brief description:

IRA's field of work include research on social cultural, environmental and economic development, short courses and organising conferences, seminars, and post graduate courses on resource and land use planning, training of degree course students as well as consultancy work on the above.

[Description of activities to be inserted]

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Contact Person(s):

Prof. R. B.B. Mwalyosi, Director
 Prof. N.F. Madulu, Associate Research Professor
 Prof. A.S. Kauzeni (Research Professor)
 Prof. A. Mascarenhas (Research Professor)

References:

Amina, M.M. Kabudi (1990): Information on indigenous Drugs of Coastal Region, Tanzania, May 1990, 59pp. IRA Research Report (New Series) No. 77

Kauzeni A.S., 1994. Land Tenure and Natural Resources Management in Gitting village, Hannang District. July 1994, 34pp. IRA Research Report (New series) No. 87.

Kikula I. S & Shishira E.K (1988): Social aspects of community forestry and the possible implications for the wood-fuel/forestry projects in Tanzania 1988. IRA Research Report No. 40.

Sosovele, H & Shechambo, F (1995): The Barbaigs Responses to the Break down of Traditional Grazing Rotation, 1995. IRA Research Report No. 36.

2.16 ZONAL AGRICULTURAL RESEARCH AND TRAINING INSTITUTES

■ HORTICULTURAL RESEARCH AND TRAINING INSTITUTE, TENERU

Activities related to gender, biodiversity and local knowledge systems:

- The institute carries out research on vegetables, root crops and agroforestry.
- Research programme aiming at mapping of the gene pool of indigenous vegetables. The project is implemented in collaboration with Asian Vegetable Research and Development Centre (AVRDC). Current activities include collecting germplasm to test different properties of the plant.
- Project with Natural Resources Institute (NRI) in England focuses on post harvest treatment of potatoes (sweet and irish), including methods for processing the potatoes for better storage qualities.

Address/Location:

• *Horticultural Research Centre:*
 Horti-Tengeru
 P.O. Box 1253
 ARUSHA
 Tel: 094 Duluti

Fax: 4120

E-mail: hortitengeru@habari.co.tz or horti@yako.habari.co.tz

- *Asian Vegetable Research and Development Centre:*

P.O. Box 10, Duluti,

ARUSHA

Tel: 027-8491

Fax: 027-4270

E-mail: avrdc-arp@cybernet.co.tz

Contact Person(s):

Dr Stephano Kuoko (Horti-Tengeru)

Dr Rëmi Nono-Womdim (AVRDC)

■ KIZIMBANI AGRICULTURAL RESEARCH CENTRE

Brief description:

Kizimbani is under the Commission for Extension and Research, Zanzibar. Three main objectives are (1) to conduct research on food and cash crops, (2) provide training to farmers and extension staff, and (3) to provide improved planting material to the farmers. Kizimbani has four substations: Makunduchi, Kitogani, Bambi and Kibonde-Mzungu.

Activities related to gender, biodiversity and local knowledge systems:

- Main crops for research include clove, coconut, chili, maize, sorghum, rice and cassava. Kizimbani maintains a germplasm collection for crop varieties of Zanzibar.
- Collaboration on gender issues with the Ministry of Community Development, Women Affairs and Children.

Address/Location:

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Contact Person(s):

Mr Zaki K. Juma

■ NALIENDELE AGRICULTURE RESEARCH INSTITUTE

Activities related to gender, biodiversity and local knowledge systems:

- Southern Zone Rural Seed Fairs: promoting alternative sources of seeds, securing supply and providing opportunities for farmers, researchers and extension workers to meet and exchange views and information. The rural seed fairs started in 1997 in two districts, extended to all districts in Mtwara and Lindi in 1998. The seed fairs are undertaken in co-operation with the RIPS programme.
- Integrated cashew management: farmers are exposed to various indigenous and modern technologies
- Assessment of farmers' agricultural development.
- Participatory monitoring of trials.
- Production of pamphlets on crops.
- Participatory forest management
- Farming systems and extension: On-farm research trials, monitoring and evaluation.
- Gender issues: Studies on gender analysis in cashew production.
- Ongoing project on evaluation of farmers preferences of different crops

Address/Location:

P. O. Box 509

MTWARA

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E-Mail: NARI@RAHA.COM, NARI@costech.gn.apc.org

Contact Person(s):

Dr O.K.K. Mponda, Crop production / Rural Seed Fairs

Dr. Anna Mfilinge, Socio-Economic Unit

Dr M.R. Salum, Livestock

Mr Stephane Dondeyne, Soil Service Mtwara project. E-mail: rips.pso@twiga.com

Mr Laurence B. Emmanuel, Soil Service Mtwara project.

References:

Dondeyne, S. (et al.) In press. No short cuts to sound forest management. *The Land*, Vol 2.2: 181-190.

Mponda, O.K.K. and Kafiriti, E.M. 1998. Report on the Southern Zone Rural Seed Fair 1998. Naliendele Agricultural Research Institute, Mtwara. 30 pp.

Mponda, O.K.K. and Kafiriti, E.M. in press. Involvement of Farmers in Sesame Variety Development in the Southern Zone. Submitted to *Tanzanian Journal of Agric. Sciences*. 13 pp.

Nathaniels N.Q.R. and Mwijage. 1998. Seed fairs and the Case of Marambo village,

Nachingwea District, Tanzania. Implications of local informal seed supply and variety development for research and extension. Unpublished Report, Rural Integrated Project Support (RIPS), Mtwara. 17 pp. Dondeyne, S. and Emmanuel, L.B. 1997. Land Use in Chiwambo. Background on a participatory video. Soil Service Mtwara project, Naliendele Agricultural Research Institute, Mtwara, Tanzania.

■ **SELIAN AGRICULTURAL RESEARCH INSTITUTE (SARI)**

Brief description:

SARI is the centre for agricultural research in the Northern Zone (Arusha and Kilimanjaro Regions). The institute adopted a client oriented research policy in 1998, aiming at addressing actual needs of the farming communities.

Activities related to gender, biodiversity and local knowledge systems:

- Four departments: Crop Research, Livestock Research, Special Programmes, and Socio-Economic Research
- Farming Systems Approach and Client Oriented Research (COR) Programme
- Main crops in breeding programme: maize, beans, wheat, all seed crops, sunflower, and pigeon pea. Work with farmers to test out new (improved) varieties of crops. Try to establish farmer groups for testing out of new agricultural practices and new income-generating activities, including women groups.
- Collecting local knowledge through PRAs.

Address/Location:

P.O. Box 6024

ARUSHA

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E-mail: sari@yako.habari.co.tz

Contact Person(s):

Mr Lyimo

3 NON-GOVERNMENTAL ORGANISATIONS

3. AGENCY FOR PASTORALISTS DEVELOPMENT ORGANIZATION

Brief Description

The organization is charged with the improvement of livelihood for both agro-pastoralists and zero grazing livestock keepers. Also to improve livestock production.

Activities Related to LinKS

1. Work with CBOs dealing with livestock products e.g. milk cheese and batter.
2. Training of Women who deal with milk sales in Mbulu district and
3. Advise the on the formation of Groups for their business improvement.

Full Address/location

P.O.Box 129
Mbulu

Contact Person(s)

Edward Olaitai

References

effective implementation of 12 months. CARE introduced and promoted the double action treadle pump in Tanzania, which is since recently manufactured in Mwanza and Musoma. Major constraints to agricultural production in Magu district are unreliable rainfall, limited acreage, declining soil fertility and inaccessible land, as well as high prices for agricultural inputs, lack of access to credit and lack of extension services. (Source: *Directory of farmer participatory extension and/or research in Tanzania, FAO 1999*).

- [Biodiversity project – to be inserted]

Address/Location:

Magu project:

CARE Tanzania

P.O. Box 407

MAGU

Tel: 028-502188

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E-mail: care-tzmagu@twiga.com

Contact Person(s):

Mr Matenge, Project manager

References:

CARE International Tanzania, 1995. Rapid Food and Livelihood Security: Assessment in Shinyanga, Mara and Mwanza Regions. 152 pp. (Location: CARE office, Dar es Salaam).

3.2 CARE INTERNATIONAL TANZANIA

Activities related to gender, biodiversity and local knowledge systems:

- *Magu district livelihood security project.* Implemented in the Magu District. Local counterpart is the District Council. The project Magu District Livelihood Security Project (MDSLPP), running from March 1996-December 2000, is a project from CARE Tanzania funded by NORAD. The objective of the project is to increase livelihood security of vulnerable households in Magu district, particularly those headed by women. The project provides training and assistance to women to increase the outputs and/or income which households derive from agricultural activities undertaken by women. Activities concentrate on marketing of inputs, technology transfer in relation to agriculture and mobilisation of savings. Problems are identified through conducting PRAs after which participatory planning is undertaken with community based organisations. The project links community based organisations with technology and inputs services. The project has reached 2,800 households after

3.3 CONCERN WORLDWIDE

Activities related to gender, biodiversity and local knowledge systems:

- Conservation of natural woodlands at Division level.
- Providing of Agricultural Rural Extension Services for food security improvement.
- Promotion of indigenous vegetables for those living in arid areas and poorer households for improving food security and nutritional intake.
- Perform research and extension on indigenous trees for long term reduction of pressure on natural woodlands and thereby promoting sustainable community practices in the propagation and harvesting of natural woodland.
- Promoting local knowledge in pest management, in three wards in Mtwara Region. Inventory of plants and their uses.
- Iringa Food Security Extension Programme (Jan. 1998-Aug. 2000) has as objective to improve the food security situation of the people in a sustainable way through

increased use of improved agricultural techniques. This is through the promotion of appropriate sustainable farming practices through contact farmers, improving irrigation channels and training of government extension workers on participation, participatory research into agriculture and indigenous knowledge. Furthermore, research is carried out on effective traditional practices with interested farmers, after which successful practices are disseminated.

Address/Location:

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E-Mail: concermtanz@twiga.com

Contact Person(s):

Mr Paul O'Brian (Country Director)
Ms Fiona Edwards (Assistant Country Director), Dar es Salaam
Mr Zubery Mwachulla, Mtwara

3.4 COOPIBO TANZANIA

Brief description:

Coopibo Tanzania focuses on agriculture, rural housing and environment. The programmes are managed at two levels, at the Coopibo Tanzania Bureau in Dar es Salaam and at the programmes in various regions throughout Tanzania. The regional programmes were formerly implemented directly by Coopibo. Coopibo is now supporting establishment of NGOs from the programmes as a way of building local capacity. Most of the programmes have now acquired NGO status. Gender is integrated in Coopibo's activities. From 1998, the target is that gender issues should be integrated in at least 50% of the programme activities.

Activities related to gender, biodiversity and local knowledge systems:

- Agricultural Development Programme (ADP) Mbozi Trust Fund: Inventorization of indigenous knowledge concerning local pesticides and use of plants for medicinal purposes (human beings and animals).
- Ileje Food Crop Production Project (IFCPP): Emphasis on women participation and contribution to development activities and their access to the benefits of those

activities. A seminar was held in 1997 to raise awareness on issues related to land ownership.

- Isangati Agricultural Development Project: Testing and evaluating of the performance of various locally available pest control methods.
- Cooperation with the Indigenous Soil and Water Conservation Programme (ISWCP) (See Cooperative College Moshi).
- Coopibo is a member of the PELUM association (see separate chapter)
- Gender tools manual (1998) as well as gender-focused studies, workshops, and networking efforts.

Address/Location:

• *Main Office:*
Kinondoni, Plot 146, Block 41, Kajima
P. O. Box 60753
DAR ES SALAAM
Tel. 022-668212, 2666383, 2666838
Fax. 022-2668368
E-mail: Coopibo@intafrica.com

Mbeya:

P.O. Box 204
Mbozi, Mbeya region
Tel: 025 065-95

Contact Person(s):

- Country Representative. E-mail: vecotz@intafrica.com
- Mr Paul Bottleberge, OD Facilitator, TRACE. E-mail: trace@intafrica.com
- Hamisi Mwango, Training and Consultancy Manager, Dar es Salaam
- Mr Djax J.S. Biria, Coordinator, ADP-Mbozi Trust Fund, Mbeya

References:

Coopibo Tanzania. Annual Reports 1997 and 1998.

ADP-Mbozi Trust Fund. Brochure. 12 pp.

Biria, D.J.S. and Kwiligwa, E.M.B. 1999. Experience of the Southern Highlands Coopibo funded programmes in gender, biodiversity and local knowledge systems in strengthening agriculture and rural development. Paper presented at the LinkS project workshop in Morogoro, 22-23 June 1999.

3.5 DIOCESE OF CENTRAL TANGANYIKA

Activities related to gender, biodiversity and local knowledge systems:

- Programs on food security in Dodoma region.
- Projects on local methods for post-harvest storage facilities.
- Gender groups working with sensitisation of the local communities on legal knowledge.

Address/Location:

P.O. Box 15
DODOMA
Tel: 026-221509, 221777, 223085

Contact Person(s):

- Rev. A. Senyagwa (Director)
- Mrs Mary Kanyamala,
- Mrs Neema Ndembeke

3.6 DODOMA ENVIRONMENTAL NETWORK (DONET)

Brief description:

DONET serves mainly as a networking organisation and facilitators on environment. DONET has been operating since 1993 and has now a staff of 6 persons. DONET has individual and institutional membership. DONET has representatives in the 5 districts in Dodoma Region, who report on a monthly basis. DONET publishes two newsletters: (1) Mazingira Yetu: a quarterly newsletter in Swahili that covers Dodoma Region and (2) Msitu: newsletter published in English that covers environmental issues from the whole country. The newsletters have a distribution of 1500 and 1000, respectively. DONET also runs a weekly radio program and holds a small library.

Activities related to gender, biodiversity and local knowledge systems:

Dodoma Development Action Plan (DEAP), efforts to implement plans at a district level concerning tree nurseries, farming, improved stoves, and other issues. Part of these efforts is to bring together farmers who use local techniques on how to preserve crops and fruits.

Address/Location:

P.O. Box 1414
DODOMA
Tel/Fax: 026-324750
E-mail: donet@maf.org

Contact Person(s):

- Mr Joshia Mshuda (coordinator)
- John G. Mnong'one (accountant)
- Anna Gelle (publicity officer)
- Justina Mangao (vice-chairperson)

3.7 EARTH GREENERY ACTIVITIES JAPAN (EGAJ)

Brief description:

EGAJ funds activities on organic farming.

Activities related to gender, biodiversity and local knowledge systems:

- Project on Indigenous Technical Knowledge, Kilosa, Morogoro. Documenting ITK for organic pesticides and their uses. Counterpart at MATI Ilonga.
- EGJ promotes indigenous crops such as sorghum and millet.
- EGJ wants to promote indigenous seed farms. Next season, they plan to start production of indigenous seeds, collection and multiplication.

Address/Location:

P.O. Box 1570
DODOMA
Tel: 026-2354939
Fax: 026-2324750 (c/o Donet)

Contact Person(s):

Mr C.G. Nzullunge

3.8 INADES - FORMATION, TANZANIA

Brief description:

INADES (French acronym) stands for African Institute for Social and Economic Development of Farmers. INADES is operating in Tanzania and 10 other countries in Africa. Started in Abidjan in 1962, and has been in Tanzania since 1989. The main objective for INADES is capacity building for farmers and Farmer Organisations.

Activities related to gender, biodiversity and local knowledge systems:

- Promoting Farmer Innovators (PFI). Soil and water conservation, water harvesting, natural resource management. Aim to improve animal and crop production and

environmental improvement. PFI is a UNDP and Ministry of Agriculture project implemented by INADES.

- Indigenous Knowledge Training Program (since 1995): Training program for collecting and exchanging IKS. Interventions: (1) training, (2) natural crop and animal protection, (3) post-harvest storage, (4) use of local medicinal plants. Focus so far on medicinal plants - a number have been identified, shared and documented. Use of plants for pesticides, curing animal diseases, avoiding vermins, rodents etc. Training on how to document IKS, written by farmers themselves. Collaborate with SUA. Bottom-up training approach - all activities are done by the farmers themselves. INADES only acts as a facilitator.
- Member of the PELUM association

3. Address/Location:

P.O. Box 203, DODOMA

Tel: 026-2354230

Fax: 026-2354722

E-mail: INADES-FO@MAF.Org

Contact Person(s):

- Mr Yves Marche
- Mr Samuel Kiranga
- Mr Patrick Lameck (for Promoting Farmer Innovators)
- Mrs Jane Kitange (for indigenous knowledge)

References:

Inades Formation Tanzania. 1998. Natural Crop Protection: Follow-up Workshop Report. Dodoma, February 1998.

Marche, Y., Ruvuga, S., and Wierzt, R. 1996. Natural Crop Protection: Workshop Report. Inades Formation Tanzania and Misereor, Aachen, Germany. 43 pp. + app.

Newsletters, leaflets etc.

Tushikamane. Newsletter from Inades Formation Tanzania.

Kuhifadhi Nafaka Kwa. Njia za Asili Na.1, Ujuzi wa Wakulima. 16 pp. 1997.

Matumizi ya Madawa Asili Kutibu. Magonjwa ya Mifugo Na. 1. Ujuzi wa Wakulima. 22 pp. 1997.

Matumizi ya Madawa Asili. Kulinda Mimea Shambani Na. 1. Ujuzi wa Wakulima. 16 pp. 1997.

3.9 INYUAAT-E-MAA / MAASAI ADVANCEMENT ASSOCIATION

Brief description:

Inyuaat-e-Maa was started in 1991 to address the needs of the Maa-speaking people in Tanzania. The aim is to improve the quality of life for marginalised people in four districts in Arusha region through (1) identifying economic, social and cultural development priorities, and (2) to facilitate the communities to implement their priorities in order to achieve sustainable development. Funded by USAID, AWF, HIVOS and FTFPP-TZ.

Activities related to gender, biodiversity and local knowledge systems:

- Networking with a number of organisation within and outside of Tanzania
- Documenting and disseminating information, writing pamphlets in the local language
- Four proposed focus areas:
 - (1) Indigenous knowledge and culture: aiming at documenting and disseminating local management practices.
 - (2) Community-based conservation
 - (3) Community welfare, and
 - (4) Capacity strengthening for Inyuaat-e-Maa

Address/Location:

P.O. Box 2720

ARUSHA

Tel: 0741-512008

Fax: 027-4453

Contact Person(s):

Mr Peter Toima, Director

3.10 MASAILAND RESOURCE CENTRE FOR INDIGENOUS KNOWLEDGE (MARECIK)

Brief description:

The main focus of Marecik is indigenous knowledge among Maasai people in Tanzania. The NGO is part of the international IKS network. Marecik has a technical group with 10 members.

Activities related to gender, biodiversity and local knowledge systems:

- Case studies on IKS for the World Bank Indigenous Knowledge Initiative in the field of livestock, agriculture and indigenous weather forecasting.
- Areas seeking financial support and assistance: database on IKS in Tanzania, to establish partnership and collaborative network, advocacy funds, research, Traditional Resource Managers and Healers Association, Women Forum on Development, IK preservation and archiving, institutional support, and to establish a wing of transformation processes.

Address/Location:

P.O. Box 3084

ARUSHA

Tel: (027) 7192

Fax: (027) 2271 / 8907

E-mail: multicho@yako.habari.co.tz, vic-ar@cybernet.co.tz, scapa@habari.co.tz

Contact Person(s):

Dr Nathan Ole-Lengisugi

Mr Francis Ole Ikayo

References:

Ole-Lengisugi, N. (1996): "The role of indigenous knowledge in sustainable Ecology and Ethnobotanical practices among pastoral Maasai Olkonerei Le-Simanjiro Experience". Paper presented at the 5th International Conference on Ethnobiology at KICC, 2 - 8 Sept 1996.

Ole-Lengisugi, N. (1998): "The impact of pastoral Maasai Culture on sustainable Environment and Pastoralism in East Africa". Paper presented at the Pastoralist NGOs Workshop with JET, 30 - 31st Sept, 1998. (pp.8)

Ole-Lengisugi, N. (1999): "The Ecosystem People, Local knowledge systems and Ethnobotanical Taxonomies in Tanzania". Paper presented at the Tanzania Botanical Training Workshop at TPRI Arusha, Feb 2 - March 12, 1999.

3.11 MOROGORO WOMEN-FOCUSED AFFORESTATION PROJECT (MWAP)

Brief description:

MWAP has 8 key staff and 45 extension workers, including teachers, community development officers, and agricultural officers. MWAP has extension workers in 13 centres, all in Morogoro District, assisting and following up with farmers.

Activities related to gender, biodiversity and local knowledge systems:

- sensitizing the communities on establishment of nurseries, tree planting, agroforestry, energy-saving stoves and modern beekeeping.
- tree planting, Morogoro District, rural areas. Tree planting in the farmers' fields, some in mixture with crops (agroforestry). MWAP undertakes PRA surveys on indigenous tree species, local names, uses, etc.
- Study on natural pesticides (see report) to avoid ant damage.
- Study on the use of extracts from Neem trees as a pesticide to protect orange seedlings. Information to farmers about the negative health and environmental effects of artificial pesticides.

Address/Location:

P.O. Box 1020

MOROGORO

Tel: 023-4506

Contact Person(s):

- Mrs N. Mwanja, Regional Catchment Forest Office, Morogoro
- Mrs A. Lemma, Regional Catchment Forest Office, Morogoro
- Dr G. Kajembe, SUA

References:

Kupanda na Kutunza Shambani. Mradi wa upandaji miti Morogoro (MWAP). 1993. (Kishwahili)

Mujillah, E.L.J. Morogoro Woman-Focused Afforestation Project (MWAP): Short presentation on field experiences.

MWAP, undated. Trial to test the effectiveness of Neem (*Azadirachta indica*) seeds solution as an insecticide. MWAP, Morogoro, 2 pp.

3.12 NETWORK OF FARMERS' GROUPS IN TANZANIA (MVIWATA)

Brief description/Activities related to gender, biodiversity and local knowledge systems:

MVIWATA (Mtandao wa Vikundi vya Wakulima Tanzania) is a network of farmers' groups in Tanzania with the objective to exchange ideas and experiences, and mobilise formation of farmers' groups which are economically viable through farmers exchange visits, meetings, workshops, visits, and brochures. Furthermore, MVIWATA together with INADES provides training to farmers' groups leaders on indigenous knowledge.

MVIWATA provides saving and credit facilities to farmers' groups. MVIWATA also creates and facilitates local markets to stabilise the price of agricultural products through group buying and selling (*Source: Directory of farmer participatory extension and/or research in Tanzania, FAO 1999*).

Address/Location:

P.O. Box 3220
MOROGORO
Tel: 023-4184
Fax: 023-4184
E-mail: mviwata@sua.ac.tz

Contact Person(s):

Mr A.H. Mgumia

3.13 PELUM TANZANIA COUNTRY WORKING GROUP

Brief description:

PELUM (Participatory Ecological Land Use Management) is a membership organisation working with local communities. PELUM has 11 institutional members in Tanzania. The objective is capacity building of members and of local communities engaged in PELUM. PELUM is a regional association of organisations in eastern and southern Africa and was officially launched in Zimbabwe, October 1995.

Activities related to gender, biodiversity and local knowledge systems:

Organise learning/sharing workshops for Members and partners on issues related to their objectives, such as: farmer group formation and networking, networking between organisations, gender policy, sustainable agriculture, advocacy and lobbying, etc.

Address/Location:

PELUM Country Representative
P.O. Box 203
DODOMA
Tel. 026-2 354230
Fax: 026-2354722
E-mail: INADES-FO@MAF.Org

Contact Person(s):

- Mr Yves Marche
- Mr David Muhando

3.14 TANZANIA ASSOCIATION OF WOMEN LEADERS IN AGRICULTURE AND ENVIRONMENT (TAWLAE)

Brief description:

TAWLAE is a non-profit, non-political organisation aiming at facilitating women leadership. TAWLAE is part of the African Women Leaders, which has its headquarters in Nairobi. The main office of TAWLAE in Tanzania is in Dar es Salaam. TAWLAE has seven zonal co-ordinators in Tanzania. The Dodoma branch of TAWLAE includes 40 women in different professions.

Activities related to gender, biodiversity and local knowledge systems (Dodoma):

- TAWLAE in Dodoma has pilot projects in 3 villages with the aim to reduce the workload for women, starting in 1997. One project aims at providing recipes for sorghum and millet, which are traditional but neglected crops. One of the ideas for follow up is mapping of knowledge on sorghum and millet.

Address/Location:

- *Dar es Salaam:*
P.O. Box 76498 DSM
E-mail: tawlae@ud.co.tz
Tel: 022-2700085
Fax: 022-2700090
- *Dodoma:*
P.O. Box 1402
DODOMA
Tel: 026- 2 321558
Fax: 026 2 700 090
E-mail (c/o): tawlae-dom@intafrika.com

Contact Person(s):

Mrs Elizabeth Lugeye (Dodoma)
Ms. Fatma Sobo (Executive Secretary)
Ms. Theresia Mruma (Dar es Salaam)

3.15 TANZANIA FOREST CONSERVATION GROUP (TFCG)

Brief description:

The Tanzania Forest Conservation Group (TFCG) is a Tanzanian NGO registered in 1983. The TFCG was formed with a mandate to work towards improved conservation of natural forests through community based projects and promoting sustainable forest conservation management practices amongst the local forest edge communities. TFCG currently employs eight full time staff and up to 30 casual workers.

Activities related to gender, biodiversity and local knowledge systems:

Joint forest management in the Eastern Arc Mountains: TFCG currently has five projects in the East Usambara, West Usambara and Udzungwa Mountains, covering a total of 20 villages and involving 15 local authority and public forests. A crucial part of the projects is assessing and documenting local uses and values of the forest to help justify its conservation. A botanical collector will be involved in collecting names and uses of different species.

Address/Location:

P.O. Box 23410,
DAR ES SALAAM
Tel: 022- 274836
Fax: 022-275394
E-mail: tfcg@twiga.com

Contact Person(s):

Mr. Alex J. Hipkiss
Mr. Charles K. Meshack

References:

The Arc Journal, Biannual Newsletter published by TFCG in English and Swahili.

Woodcock, K. A. 1997. Kambai Forest Conservation Project in the East Usambaras, Tanzania: Experiences from field work and studies, 1994 - 1997. Tanzania Forest Conservation Group, Dar es Salaam.

Woodcock, K. A. 1997. 'Learning with farmers' tools booklet: Experiences from Kambai Forest Conservation Project. Tanzania Forest Conservation Group, Dar es Salaam

3.16 TANZANIA GENDER NETWORKING PROGRAMME (TGNP)

Brief description:

TGNP has been operational as a registered NGO since 1993. The development objective is to facilitate the process of gender equality/equity, women's empowerment and social transformation with a gender perspective at all levels. TGNP is running four mutually supportive programmes: (1) Information Generation and Dissemination, (2) Training, Capacity Building and Outreach, (3) Activism, Coalition Building, Lobbying and Advocacy, and (4) Programme Support and Management.

Activities related to gender, biodiversity and local knowledge systems:

- Gender training and consultants team on gender analysis and participatory methodologies
- Quarterly newsletter, *Ulingo wa Jinsia* (Gender Platform), launched in 1995
- Lobbying and advocacy, including skills development work towards the media, Wednesday seminars every six weeks, inputs lobbying towards the new land bills/land acts.

Address/Location:

TGNP Gender Resource Center,
Mabibo Area (Adjacent National Institute of Transport)
P.O. Box 8921
DAR ES SALAAM
Tel. 022 -243205, 0742-783659, 0742-788706
Fax. 022 -243244
E-mail: tgnp@muchs.ac.tz

Contact Person(s):

Ms Mary Rusimbi, Programme Co-ordinator
Mr R.D. Kwebwa
Mr E. Mhina, Gender Consultant and Trainer (dallilah@raha.com)

References:

Kamara, B.A. 1994. Gender and Biodiversity Management and Conservation in Tanzania. Paper presented at TGNP, Gender and Development Seminar Series, June 15, 1994 D.S.M, Tanzania.

Kamata, N. 1999. Local Experiences on Coalition Building and Networking. Workshop on Land Rights: HAKIARDHI Experience. Pp. 40-44 in Kamara, B.A. Annual Gender Studies Conference 1998, Report. Tanzania Gender Networking Programme (TGNP), Dar es Salaam. 106 pp.

3.17 TANZANIA MEDIA WOMEN'S ASSOCIATION (TAMWA)

Activities related to gender, biodiversity and local knowledge systems:

- Identify groups to assist e.g. in refugee and disaster prone areas where legal procedures are required.
- Research on human rights violation.
- Sensitization, advocacy and lobbying to break free of gender violence.

Address/Location:

P. O. Box 8981
 DAR ES SALAAM
 Tel. 022-2132181, 2115278, 2110603
 Fax. 022-2115278
 E-Mail: tamwa@raha.com

Contact Person(s):

Ms Leila Sheikh Hashim, Director
 Ms Zaynab Vulu
 Mr Pius Wanzara (Programme Officer)

3.18 WORLD VISION TANZANIA

Brief description:

World vision works with community development in six main areas: health, education, agriculture/land use/environment, water, micro enterprise development, and christian witness. World Vision has 72 ongoing projects in 7 zones in Tanzania.

Activities related to gender, biodiversity and local knowledge systems:

- Community-based projects operate through Area Development Projects (ADPs). ADPs are implemented in areas with between 20 000 - 100 000 people and normally of 15 years duration. ADP area policy is that at least 30% of the ADP community members must be women. During ADPs, World Vision carries out needs assessments, and provide training where needed (e.g. gender). May e.g. provide training on gender. The training is carried out by World Vision staff or hired experts.
- In ADPs, World Vision uses Community Capacity Indicators (CCI), which consists of 5 groups: 1) leadership and management, 2) networking, 3) technical issues (health, education, environment, livestock), 4) finance, and 5) kingdom values.

- World Vision implements projects through government staff. Hence, the extent to which gender/agrobiodiversity/IKS are taken into account to a large extent depends on the area of expertise of government staff.
- World Vision does not document on technical issues, but may support technical papers in the villages they work. Gender is incorporated in the project proposals.
- Examples of community-based projects:
 - Support to women in small-scale enterprise development activities (income generating activities) in terms of business management training and provision of loans.
 - Provision of safe water in collaboration with local communities. Digging of boreholes, rain water harvesting and shallow wells' construction.
 - Training in land husbandry, preservation of natural forests and provision of tree seedling.
 - Supply improved seeds and fertilisers as well as training for farmers in food storage and livestock development.

Address/Location:

AICC Building, Serengeti Wing, 5th Floor
 P.O. Box 6070
 ARUSHA
 Tel: (057) 4359, 4479, 8550
 Fax: (057) 8248
 Telex. 48078 WORVIS
 E-mail: Tanzania@wvi.org

Contact Person(s):

- Mr Wilson Luta, National Director
- Mr Joel Kalagho, Assistant to Programs Director, Arusha. E-mail: TZA-SF-Programs@wvi.org
- Mr Inyami Sengasenga, Zonal Manager, Central Zone. E-mail: TZA-Central@wvi.org

4 PROJECTS, PROGRAMMES, AND INTERNATIONAL ORGANISATIONS

4.1 CLIENT ORIENTED RESEARCH PROGRAMME (COR)

Brief description:

The Client Oriented Research programme (COR) (1988-2002) is funded by the Netherlands to improve food security and income of farmers through support of a client oriented research approach. The COR programme-Tanzania has three components: Lake Zone (1988-2002), Northern Zone and other Zones (1998-2002), and Integrated Plant Nutrient Management (1998-2000).

Address/Location:

Lake Zone ARI:

PO Box 1433

Mwanza, Tanzania

Tel: 068-500761

Fax: 068-500852

E-mail: whkerk@mbio.net or jkabissa@tan2.healthnet.org

Selian ARI:

PO Box 6024

ARUSHA

Tel: 057-3883/0812-400590

Fax: 057-8557

E-mail: sari@yako.habari.co.tz or Bahati@yako.habari.co.tz

Contact Person(s):

Dr J. Kabissa, Zonal Director Research, Lake Zone ARI

Mr Willem Heemskerk, Client Oriented Research Programme, CTA for COR-Tanzania (PO Box 2807, Mwanza)

Dr Haki, Zonal Director Research & Development, Selian ARI

Source: Directory of farmer participatory extension and/or research in Tanzania, FAO 1999.

4.2 FARM LEVEL APPLIED RESEARCH METHODS FOR EAST AND SOUTHERN AFRICA (FARMESA)

Brief description:

FARMESA (Farm Level Applied Research Methods for East and Southern Africa) is a regional project implemented by FAO and financed by SIDA in Kenya, Uganda, Tanzania, Zambia and Zimbabwe. The objectives of the project are to promote and document innovative field level methods, to build institutional capacity to apply the new technologies, and to train farmers on the use of new technologies. The project is working through on farm technology development and dissemination, by using PRA, farmer groups and farmer field schools.

Activities related to gender, biodiversity and local knowledge systems:

- Evaluation of improved management practices on indigenous chicken and pigs and compilation of inventory of indigenous technical knowledge (ITK) on pesticides and crop disease control in Isangati (Project Tan 98-07). The ITK is to be used for refinement and/or improvement through research and dissemination through the FARMESA information system. The ITK report is to be finalised by December 1999.
- Field trials on Neem seed extract to control stalk borer in maize crop in Gairo, Kilosa district (Project Tan 98-14). The project aims at comparing the efficacy of extracts from seed of Neem tree which is locally grown with synthetic pesticides. Infestation of maize by stalk borers is one of the most important limiting factors to increased production in Gairo division, Kilosa district, Tanzania. The problem of infestation by stalk borer has consistently been mentioned by farmers and is well documented. Although this pest could be controlled using synthetic pyrethroids, these are not available to all farmers when needed and is an expensive input to subsistence farmers. The results on the efficacy of neem seed extracts are compared with commercially available insecticides. Upon finalising the work, recommendations for using the extracts will be made. Should the compound prove superior farmers will also be encouraged to plant neem trees, which will be an added advantage on soil and water conservation.

Address/Location:

Ministry of Agriculture and Cooperatives

P.O. Box 2066

DAR ES SALAAM

Tel. 051-866744

E-Mail: nalitolela@africaonline.co.tz, nalitolela@twiga.com

Source: Directory of farmer participatory extension and/or research in Tanzania, FAO 1999.

4.3 FOOD AND AGRICULTURE ORGANIZATION OF THE UN (FAO)

Activities related to gender, biodiversity and local knowledge systems:

- General provision of technical assistance and information dissemination on nutrition, food, agriculture, forestry and fisheries.

Gender, Biodiversity and Local Knowledge Systems (LinKS) to Strengthen Agricultural and Rural Development: This is a regional effort aiming at raising awareness of the value of rural people's knowledge for household food security, with particular focus on gender aspects and biodiversity conservation. The project is executed by FAO with funding from the government of Norway. The project started in Tanzania in 1998 and will go up to December 2000. Gender is a crosscutting issue to the project under the concept of "bearers of knowledge", addressing the different roles of men and women as they relate to local knowledge on the use and management of agricultural biodiversity. Activities include this directory, a bibliography of available documentation on gender, biodiversity and local knowledge systems in Tanzania.

- Reducing Biodiversity Loss at Cross-Border Sites in East Africa (see separate chapter)
- Global IPM facility and Farmer Field Schools [to be filled in]

Address/Location:

Pamba Road
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Fax. 051-112501
E-mail: FAO-TZA@field.fao.org

4. Contact Person(s):

Mr James Yonazi, E-mail: James.Yonazi@field.fao.org
Mr Justus Kabyemera, E-mail: Justus.Kabyemera@field.fao.org

4.4 FOREST, TREES AND PEOPLE PROGRAM (FTPP)

Brief description:

FTPP has been operating in Tanzania since 1987. It started working with the Babati Land Use Management project in Arusha. The project was operating until 1995, when an institutional collaboration with national organizations was established. Collaborating institutions are Sokoine University of Agriculture (SUA), Dodoma Environmental Network (DONET), Soil conservation projects in Shinyanga (HASHI) and Njombe (HIMA), Morogoro Women-focused Afforestation Project (MWAP) in Morogoro,

Participatory Resource Network of Tanzania (PARENT) based in Morogoro, Tanzania Forest Research Institute (TAFORI), National Environmental Management Council (NEMC) and others. These partners collaborate in the following themes: forestry and food security, conflict management, forest, trees and woodland management (in the area of joint/community forest management and conflict management), farmer initiated research, participatory process and networking. FFTP works through the approaches of capacity building, research networking and advocacy.

Address/Location:

Forests, Trees and People Programme-TZ
Askari Road
P.O.Box 3151
DODOMA
Tel 061 321081
Fax 061 324750
E Mail ftpp-tz@cats.net.com

Contact Person(s):

Ms Monica Mhaville National Network Coordinator

4.5 GEF/UNDP EAST AFRICAN CROSS BORDER BIODIVERSITY PROJECT

Brief description:

The overall goal of the project is to reduce biodiversity loss at four cross-border sites in Tanzania, Kenya and Uganda. The means of achieving this are (1) creating an enabling environment in which government agencies and communities can jointly regulate resource use, and (2) balancing the supply and demand factors that impact on biodiversity conservation and wise use.

Activities related to gender, biodiversity and local knowledge systems:

- The project will work as a facilitator, using existing structures and mechanisms. Activities so far have been identification of stakeholders, workshops, and development systems for supporting CBOs and NGOs.
- Emphasis on the use of indigenous knowledge systems in the management of natural forests.

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 Dr Alan Rodgers (Regional Adviser)
 Mr Billie Edmott (Project Administrative Officer)

4.6 INTEGRATED PEST MANAGEMENT (IPM-GTZ)

Brief description:

The IPM programme is funded by the government of Germany through GTZ and has been operating since 1992. The programme started in Shinyanga region as a pilot area (approx. 50,000 sq. km and 300,000 farm households), where plant protection problems were identified and options for solutions were elaborated together with farmers and in co-operation with researchers. In 1998 similar activities were started in the Northern Zone, including the regions of Arusha, Kilimanjaro and Tanga. The support concentrates on improvement of the structure and organisation for plant protection in the implementation regions and at the national level. Focus is given to development of IPM, strengthening of the co-operation with agricultural research institutions and extension services, and human resources development and management.

Activities related to gender, biodiversity and local knowledge systems:

The objective is “to strengthen farmers’ capacities as experimenter and decision maker to produce a healthy crop”. In order to achieve this, the project activities are based on a stepwise process of participation and facilitation, including:

1. awareness building, situation analysis, prioritization of problems, identification of farmers’ groups
2. organising farmers’ groups, organise training of extensionists and trainers/facilitators
3. technical capacity building, implementation of experiments, monitoring and evaluation, and
4. further dissemination of findings, backstopping for extensionists and farmers groups, withdrawal of external assistance.

Technical assistance from the IPM Project is provided through training and advice to farmers groups, extensionists and facilitators of the Government Extension Service as well as within NGO’s. Primary partners and target group of the IPM Project are resource-poor farmers, mostly organized in farmers’ IPM Working Groups in the pilot areas. Other important partners are members of the agricultural departments and extension staff

on district level and Zonal Research Institutions. NGO’s working in the field of agriculture and agricultural extension are partners as well.

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4.7 INTERNATIONAL CENTRE FOR RESEARCH IN AGROFORESTRY (ICRAF)

Activities related to gender, biodiversity and local knowledge systems:

Domestication of indigenous fruit and medicinal trees. This is a regional effort aiming at improving the use of resources through better understanding of user needs and preferences, technological opportunities and systematic methods ranking species. Priority-setting surveys for domestication of fruit trees in the miombo woodlands have been undertaken in Malawi, Tanzania, Zambia and Zimbabwe (Maghembe et al., 1998). Another research programme was initiated in Tanzania in response to the reduced occurrence of medicinal trees in the wild (Dery et al., 1999).

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Mr Robert Otsyina (otsyina@intafrica.com)

References:

Dery, B.B., Otsyina, R., and Ng'atigwa, C. 1999. Indigenous Knowledge and Prioritization of Medicinal Trees for Domestication in Shinyanga Region of Tanzania. Second Draft Report, May 99. HASHI/ICRAF, Shinyanga. 37 pp. + app.

Maghembe, J.A., Simons, A.J., Kwesiga, F., and Ravieya, M. 1998. Selecting indigenous trees for domestication in Southern Africa: Priority setting with farmers in Malawi, Tanzania, Zambia and Zimbabwe. Nairobi: International Centre for Research in Agroforestry. 94 pp.

4.8 LOCAL MANAGEMENT OF NATURAL RESOURCES (LAMP)

Brief description:

LAMP was launched in 1997. The project is funded by the Government of Sweden through SIDA.

Activities related to gender, biodiversity and local knowledge systems:

Among the activities are support to villagers to defend their rights and seek legal action on communal and individual land security. Special attention is given to the rights of pastoral people and women to own land and their access to other means of production. Support is also given to Village Forest Management, whereby villages gain legal rights to their forest resources. Particular emphasis is put to raising awareness among the extension service on the role of women in agricultural production. So far, LAMP has been operational in the districts of Babati, Singida Rural, Simanjiro and Kiteto. Regional and national support within LAMP include the Soil Conservation and Land Use Planning (SCLUPS), Strategic Forestry Planning, Soil Conservation and Agroforestry Project Arusha (SCAPA), and the newly established Integrated Zonal Research project.

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4.9 NATIONAL TREE SEED PROGRAMME (NTSP)

Activities related to gender, biodiversity and local knowledge systems:

NTSP has an ongoing project on lesser known agricultural crops and edible wild food plants. The main focus area is Tabora region, representing the miombo woodlands ecosystem. Other (secondary) regions covered are Tanga (Eastern Arc mountains), Kilimanjaro (younger mountain range), Iringa (Southern highlands), Zanzibar (coastal zone) and Kigoma (Lake Zone). The project is a follow up to studies done in the 1980s on indigenous fruit trees (cf. FAO Forestry Paper 41/42, 1983). Similar efforts are currently undertaken by IUCN, ICRAF and Sokoine University of Agriculture (Faculty of Forestry). The next step in the project will be addressing the issue of what to do with the knowledge once it is documented, including issues of protecting farmers rights.

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4.10 ON FARM SEED PRODUCTION PROGRAMME (ASPS)

Brief description:

- On Farm Seed Production is one of six components of the Danida-funded Agricultural Sector Programme Support (ASPS). The other components are Institutional strengthening, Smallholder irrigation improvement, Utilisation of Tanzanian phosphate rock for crop production, HIMA soil and water conservation, and livestock.
- The main objective of the On Farm Seed Production component is on-farm development and production of quality seeds by small scale farmers in Tanzania. The first phase has focused on rehabilitation of different institutions involved in the seed chain, including Government foundation seed farms in Kilosa and Arusha, Tanzania

Official Seed Certification Agency (TOSCA), research institutions, the national plant genetic resources centre.

Activities related to gender, biodiversity and local knowledge systems:

- On-farm seed production is planned in three regions: Iringa, Dodoma and Morogoro. SUA (Dr Ashimogo, Department of Agricultural Economics) is undertaking a market assessment study in the regions at the moment. Baseline studies have been done in the three regions already.
- The programme is working with farmers to test out improved crop varieties. Two farmers in each village will be given seeds and other production support. Information on local seed resources will be collected for comparison with the improved varieties. The Plant Genetic Resources Centre will be involved in this area. A training needs assessment will be done in September, to be followed up from October/November 1999 with training of trainers (extension workers) who will later provide training to farmers.

Address/Location:

On-farm seed production:

Ministry of Agriculture and Cooperatives/Danida
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On Farm Seed Production
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ASPS:

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- Mr. C.C. Mtolera, Agricultural Officer,

- Mr. Søren Wium-Andersen, Danida/Danish Embassy
- Mr. Torben Lingquist, Danida/Danish Embassy

4.11 RURAL INTEGRATED PROJECT SUPPORT (RIPS)

Brief description:

RIPS is a development cooperation between the Governments of Finland and Tanzania covering Lindi and Mtwara Regions. The objective of the Programme is to provide a framework for supporting local development initiatives and projects to create sustainable livelihoods. Areas of operation include local government, agriculture and natural resources, transport and marketing, education, savings and credit and health and water.

Activities related to gender, biodiversity and local knowledge systems:

- Integrating local technical knowledge on agricultural development.
- Supporting women development activities like government project and Seaweed farming.
- Supporting other demand driven projects decided by communities through participatory approach.
- Project on the use of cassava seeds
- Institutional set-up for participatory work with communities. Village and ward-level planning, bottom-up demand driven development processes. Linked to the local government reform. Low-input cashew management
- Methods for making flour from cassava

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Mr M.G. Kajimbwa, Rural Development Facilitator
Mrs Elizabeth Ndedya, Rural Development Field Officer
Mr Bright Msalya, Training Facilitator
Ms Riika Laatu, Finnish Embassy, Dar es Salaam

References:

De Waal, D., Chinjinga, F.R., L. Johansson, Kanju, F.F., and Nathaniels, N. 1998. Village-based cassava breeding in Tanzania, pp. 83-88 in *Farmers' research in practice: Lessons from the field*.

Kajimbwa, M.G.A. (et al.) 1998. Methodological issues and challenges to establish village-based participatory monitoring and evaluation: Improving Traditional Cassava Processing Methods – A Case Study to Introduce a Village-based Monitoring System in Mtwara, Tanzania.

Nathaniels N.Q.R. and Mwijage. 1998. Seed fairs and the Case of Marambo village, Nachingwea District, Tanzania. Implications of local informal seed supply and variety development for research and extension. Unpublished Report, Rural Integrated Project Support (RIPS), Mtwara. 17 pp.

Rural Integrated Support Programme (RIPS) 1998. Paths for Change: Experiences in Participation and Democratisation in Lindi and Mtwara Regions, Tanzania. RIPS Programme Phase II. 128 pp.

4.12 URBAN VEGETABLE PROMOTION PROJECT (UVPP)

Brief description:

The Urban Vegetable Promotion Project (UVPP) is a bilateral project under the Ministry of Agriculture and Co-operatives. The first phase went from May 1997 and September 1998. The second and last phase is now under implementation. UVPP is supported by the German Technical Co-operation (GTZ). UVPP assists urban farmers in Dar es Salaam to improve the production of vegetables and contributes to the improvement of nutrition of urban poor families as well as income generation.

Activities related to gender, biodiversity and local knowledge systems:

- Particular focus on the dominant role of women in urban agriculture and the clear differentiation of activities performed by men and women. Needs assessments are undertaken by extensionists, and women are particularly encouraged to get involved in production.
- One achievement of improved advise to urban farmers is a diversified production. Through awareness creation amongst urban farmers and initiating a community based supply of quality seeds farmers plant more vegetable varieties. Indigenous leafy vegetables are promoted wherever feasible.

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References:

Kogi-Makau, W. 1995: Consumption and the State of Nutritional Knowledge and Beliefs on Fruits and Vegetables among Urban Poor in Dar es Salaam. Urban Vegetable Promotion Project. Dar es Salaam, Tanzania, pp 93.

Mndiga, H. and Lyimo, M. 1997: Training Manual on Communication Skills and Moderation. Urban Vegetable Promotion Project, Dar es Salaam, Tanzania, pp. 89.

Mascarenhas, O. 1999: Gender aspects of urban agriculture in Dar es Salaam, Tanzania

4.13 WORLD FOOD PROGRAMME (WFP)

Activities related to gender, biodiversity and local knowledge systems:

- Co-operation with Norwegian People's Aid (NPA) on food for work training programme in Dodoma.
- Schoolfeeding programme: Support to primary education in drought-prone and pastoralist areas". The project (January 2000 - December 2001) is expected to build up local capacity for school feeding and to test the validity and effects of such an operation in the country. Two baseline surveys will be carried out to obtain information on project results and effectiveness. This would provide the basis for decisions regarding a possible further expansion of the project beyond the pilot phase. Food aid will also be provided to primary boarding schools for children of nomadic, pastoralist families who depend on hostel facilities for their schooling. The government budget for such schools is seriously limited, which reduces the capacity and functioning of these schools and deprives many pastoralist children of education. WFP assistance to primary boarding schools will also help to reduce the amount of boarding fees expected to be paid by parents and thus encourage them to send their children to school. Moreover, the project will enhance awareness of gender issues at schools and amongst local communities by including relevant messages in training courses for representatives of local School Committees.



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- Mr J.P. Shiyo, WFP Field Coordinator, P.O. Box 980, Dodoma. Tel: 061-320036, Fax: 061-320037.