

SILAS IREA - CURRICULUM VITAE

Proposed role in the project:

Category:

Staff Member of:

1. **Family name:** IREA
2. **First names:** Silas Mutea
3. **Date of birth:** 1952
4. **Passport holder:** Kenya
5. **Residence:** Kenya

6. Education:

Institution	Dates from - to	Degree(s) or Diploma(s) obtained:
University of Nairobi	07/1977 to 01/1981	MSc, Agricultural Economics Thesis: Linear programming optimization of crop enterprises in Perkerra Irrigation Scheme
University of Nairobi	07/1976 to 07/1978	PGDiplrr, Irrigation Engineering
University of Nairobi	07/1973 to 07/1976	BSc, Agriculture

7. Language skills: Competence indicated on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Kiswahili	1	1	1

8. Membership of professional bodies:

2016 Member of the Cooperatives Tribunal, Kenya. Appointed by the Minister for Cooperative Development as a member of a bench of three to hear and determine disputes relating to activities of the cooperative movement in Kenya. The tribunal is a cooperatives court.

9. Other qualifications:

Literate in MS-Word, Excel, PowerPoint, SPSS, Outlook, several web browsers, and many other common software. Between 1993 and 1997, I owned and operated a computer-training centre in Westlands, Nairobi, and in 2003, I lectured in computer applications for business development at Strathmore University, Nairobi, Kenya. I have also written and/or edited English texts including over 300 reports, proposals, conference papers and 16 school textbooks. I am Co-author of three textbooks as shown later in this CV. I am also a story-teller/writer, lecturer, and master trainer.

Short Courses:

Institution	Date	Name of Course
African Institute for Capacity Development (AICAD), Jomo Kenyatta University of Agriculture and Technology, Juja, Kenya	2007	Analytical Methods for Rice Research
Japan International Cooperation Agency, Regional Support Office for Eastern and Southern Africa, Nairobi, Kenya	2006	Project Planning and Management
University of Hannover, Germany	2002	Summer School
International Agricultural Centre, Wageningen, Netherlands	1999	Rural Micro-finance
Swiss Institute of Food Technology, Uzwil, Switzerland	1987	Milling Technology

10. Present position: Independent Consultant

11. Years within Publix (Africa) Ltd.: 24

12. Key qualifications:

Over the last thirty-seven years, I have been project director, project manager, team leader, coordinator, and/or member of multi-disciplinary teams of consultants in over ninety (90) projects. During this period, I have provided leadership and guidance to project implementers and policy makers in both the public and private sectors in Botswana, Ethiopia, Kenya, Liberia, Malawi, Mozambique, Rwanda, Sierra Leone, Somalia, Somaliland, South Sudan, Tanzania, Uganda, Zambia and Zimbabwe (see map of Africa). I have also gone on duty tours to Denmark, Germany, Israel, Malaysia, and The Netherlands where I presented technical papers on Africa's agriculture and rural development, and water resource management. My clients include FAO, IFAD, AU, World Bank, EU, JICA, KfW, GIZ, SNV, USAID, NGOs, Governments, companies and individuals. I have direct experience in Baseline and Socio-economic Surveys, Community Development, Livestock Production, Evaluation of Projects/Programmes, Feasibility Studies, Feed Milling, Impact Assessment, Irrigation Planning and Management, Monitoring and Evaluation, Needs Assessment and Training, Participatory Development, Project Planning and Management, Smallholder Irrigation Development, Transport, Water and Sanitation, Writing and Editing, University Teaching, and Value Chain Development.



Summary of Experience

13. Specific experience in the country or specific mission:

Country	Date from -	Date to
1. Kenya	1981	Present
2. Botswana	2018	2018
3. Ethiopia	2002	2013
4. Liberia	2013	2013
5. Malawi	2006	2006
6. Mozambique	2007	2007
7. Rwanda	2006	2006
8. Sierra Leone	2013	2013
9. Somalia	2012	2013
10. Somaliland	2002	2013
11. South Sudan	2012	2012
12. Tanzania	2013	2017
13. Uganda	1986	2019
14. Zambia	2005	2007
15. Zimbabwe	2005	2007

14. Professional experience

Date Mo/Yr. from - to	Location	Client, Reference person name & contact details	Position, Input	Description
10/2019	Meru, Kenya	Publix (Africa) Ltd. Dr Zipporah Mutea Director Tel.: +254 722 775 211 zkmutea@yahoo.com	Team Leader 20 Days	Pre-feasibility Study and establishment of a pilot project for a beef feedlot in Meru, Kenya. The study assessed the economics of fattening emaciated (underweight) cattle from the northern Kenya rangelands to slaughter weight with ad-lib provision of fodder and supplementation with formula feeds.
04/2019 – 09/2019	Kasese District, Western Uganda and Butaleja, Kween Districts, Eastern Uganda	AESA East Africa Ltd. Mr Washington Koech Projects Finance Manager T +254 715 838 120 W.KOECH@aesagroup.eu	Team Leader / Project Manager 6 Months	Team Leader for a multi-disciplinary team of experts providing implementation support to three irrigation schemes in Uganda. The key role was to establish sustainable farmer-based irrigation management organizations. The construction of Doho II in Butaleja District, Ngege in Kween District and Mubuku II in Kasese District irrigation schemes in eastern and western Uganda aimed to transform farming from subsistence to commercial, raise farmer incomes and improve livelihoods. Our role was to support implementation by guiding the formation and building capacity of beneficiary farmer groups for Participatory Irrigation Management (PIM) – irrigation water management, crop production, value chain development, agro-processing and marketing.
12/2018	Botswana	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Dr Dieter Nill, Programme Manager ACCRA Programme Office at CCARDESA Secretariat Station Exit Road, Plot 4701, Red Brick Building, Ground Floor T +267 72 619 202 M+267 75 058 421 Dieter.nill@giz.de	Co-Trainer 13 Days	Training on Climate Finance Readiness, Blue Tree World of Golf, Gaborone, Botswana, December 2-8, 2018. This one-week write-shop/training focused on preparation of funding proposals to access funding from the Green Climate Fund (GCF) and similar funds for adaptation to and mitigation of the effects of global warming and climate change. Participants were drawn from the countries of the Southern Africa Development Cooperation (SADC) among them Malawi, Zambia, Zimbabwe, Botswana, Angola, Namibia, Eswatini (formally Swaziland), Mauritius and Seychelles. My duties included preparation of the training program, training materials and hand-outs, seminar room; selection of case studies from the participants for group work; moderation of the program flow and the working groups; presentations and adjusting the content as necessary; collection of feedback from participants on content and process; and documenting the process and results in a training report.

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12/2017- 10/2018	Siaya and Busia Counties, Western Kenya	GFA Consulting Group GmbH Mr Mark Crocker Team Leader/Agricultural Operations Coordinator +254 0721 796 079 mark_crocker50@hotmail.com	Senior Agronomist 8.5 Months	Senior Agronomist for the Lower Nzoia Irrigation Project. Prepared the following documentation to guide implementation of this 4,043 ha irrigation project: <ol style="list-style-type: none"> 1. Concept Paper 2. Implementation Manual 3. Crop Production Manuals 4. Three-Year Rolling Plan 5. Annual Work Plan and Budget <p>My engagement in the day-to-day implementation of the project included development of demonstration plots, farmer training, monthly reporting, guiding supervision missions, advising on crops and agronomic practices, conducting research and disseminating findings to project personnel.</p>
06/2017 07/2017	Kenya, Uganda, Tanzania	Christoffel Blindenmission Mr Sam Ogolla, Regional Project Manager Tel: +254 788 597 233 Email: sam.ogolla@gmail.com	Team Leader 44 Days	End of Project Evaluation of the project “ <i>Seeing is Believing</i> ” - Building Health Systems: Promoting Eye Health for Children in East Africa (SiB)”. The project was implemented by two consortia lead by Christoffel-BlindenMission (CBM) and Brien Holden Vision Institute (BHVI), respectively. The project covered Kenya, Uganda and Tanzania.
05/2017	Turkana County, Kenya	Africare, Washington DC Ms Susana Oguntoye +1 202 469 3845 soguntoye@aficare.org	Principal Investigator 21 Days	Scoping Study of a Nutrition Agriculture Project in Loima Sub-County, Turkwell Ward and Turkana South Sub-County, Katilu Ward for Washington DC-based Africare. The study sought to establish suitable agricultural activities, approaches and methods to support home gardening and small stock-keeping to produce nutritious foods so as to reduce malnutrition. The target of the proposed intervention was expectant and lactating mothers, infants up to two years of age and children under five years of age. A five-year intervention was envisaged.

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03/2017 05/2017	Molo, Nakuru, Eldoret - Kenya	Kenya Human Rights Commission Mr Andrew Odete Programme Manager +254 720 935 715 aodete@hivos.org	Team Leader 18 Days	Assessment of Progress and Preparedness by Kenyan Employers to Implement Recommendations of the Living Wage Benchmark Study. The study aimed at establishing the extent to which organisations had adopted the Living Wage Benchmark, were prepared to adopt it, and were prepared to engage in activities that would popularise application of the principle of Living Wage when decisions were made on what employees should earn in various industries.
08/2016	Embu and Kitui Counties, Kenya	Traidcraft Exchange Ms. Janet Ruminju Programme Manager +254 722 386 335 Janet.Ruminju@traidcraft.org	Team Leader 22 Days	Mid-Term Evaluation of the project “Flourishing in Vulnerable Environments (FIVE)”. The project was funded by the Big Lottery Fund and implemented by Traidcraft Exchange, Christian Aid, and Farm Concern International. It covered the Semi-Arid Mwingi and Mbeere sub-counties, Kenya. Its objective was to empower farmers to produce and access markets for dryland grains.
05/2016 02/2017	National (47 counties), Kenya	Ministry of Education Dr Belio Kipsang Principal Secretary for Basic Education Jogoo House Nairobi, Kenya	Logistics Coordinator 40 Days	Baseline Study for Early Grade Mathematics Assessment. This was a national study under the Primary Education Development (PRIEDE) Project. It covered all the counties in Kenya and investigated the status of mathematics competency among Class Two pupils. The study also investigated the competency of teachers to teach mathematics and the role of the head teacher and senior teacher in ensuring that mathematics was properly taught and the teaching/learning environment was well-supported. It also investigated the role of curriculum support officers, quality assurance and standards officers as well as lecturers of mathematics in teacher training colleges in improving the teaching and learning of mathematics in lower grades.
05/2016- 04/2017	Turkana County, Kenya	Turkana County Government Ministry of Trade and Industrialization, Mr James Lokwale Director; +254 729 742 048	Team Leader 22 Days	Feasibility Study for Establishment of Water Bottling Plant at Eliye Springs. The feasibility study explored the technical feasibility, economic viability, environmental effects and socio-economic impact of construction and operation of a water bottling plant at Eliye Springs near Lake Turkana.

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09/2015- 01/2016		Turkana County Government Ministry of Water and Sewerage Mr Mathew Longole Chief Officer +254 795 154 146	Team Leader 15 Days	Development of Turkana County Water Supply and Sewerage Strategic Plan. A three-month study to document accessible water resources in the county and forge a strategic direction for their development. Addressed also urban sewerage for Lodwar town. Main aim was to improve functionality, equity, and inclusion in water supply and sanitation services.
07/2015 - 10/2015	Kenya, Uganda, Tanzania	Christoffel Blindenmission Mr Sam Ogolla, Regional Project Manager +254 788 597 233 sam.ogolla@gmail.com	Team Leader 20 Days	Mid-term Evaluation of the 'Seeing is Believing' project funded by Standard Chartered Bank and implemented by two consortia led by Christoffel Blindenmission (CBM) that included Fred Hollows Foundation (FHF), Sightsavers, and College of Ophthalmology for Eastern, Central and Southern Africa (COECSA). The other was led by Brien Holden Vision Institute (BHVI) and included Operation Eyesight Universal (OEU), Light for the World (LftW), Perkins International, African Vision Research Institute (AVRI), and Masinde Muliro University of Science and Technology (MMUST)). The project targeted eye health for children up to age 15 years and was implemented in Kenya, Uganda and Tanzania.
06/2015 - 10/2015	Kenya, Uganda	African Union, Inter-African Bureau for Animal Resources Dr Pissang Tchangai Genetics Project Officer +254 714 570 568 pissang.tchangai@au-ibar.org	Consultant 20 Days	Exit Strategy for the Genetics Project. The AU-IBAR implemented a continental project on conservation and utilization of animal genetic resources which ended in 2018. An exit strategy needed to be implemented alongside the main activities. Fieldwork for the study was conducted in Kenya and Uganda.
06/2014 - 03/2015	Kenya	FAO, Nairobi office Dr Daniel Irura National Livestock Officer Tel: +254 723 364 583 Email: Daniel.Irura@fao.org	Team Leader 25 Days	Indigenous Poultry Value Chain Study in Kitui and Makueni Counties. Conducted a value chain study of improved and local indigenous poultry in Kitui and Makueni Counties with emphasis on the participation of women and youth in the value chain. Trained producer organizations supported by the Kenya Agricultural Productivity and Agribusiness Project and Agricultural Sector Development Support Programme in group development and adoption of improved breeds.
07/2014 - 12/2014	Kenya	Kenya Human Rights Commission Mr Andrew Songa ProTel: +254 727 745 956 Email: ASonga@khrc.or.ke	Team Leader 30 Days	Impact Assessment Study on Internal Displacement Based on the Incident, Impacts and Redress Assessment (IIRA). To establish the loss and damage to human rights, wealth, wellbeing and habitat.

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03/2014 - 05/2014	Kenya	Traidcraft Exchange and Kenya Human Rights commission Mr Peter Ndungu Tel: +254 718 767 529 petern@traidcraft.co.uk	Consultant 5 Days	Design of a Monitoring and Evaluation System for Kenya Horticulture Project. Human Rights Commission. The M&E system was intended to establish a system of capturing, recording, processing and disseminating information to ensure that project management decisions were made in timely fashion and in an informed environment.
12/2013 - 02/2014	Kenya	Traidcraft Exchange Peter Ndungu Tel: +254 718 767 529 petern@traidcraft.co.uk	Principal Consultant 25 Days	Baseline Survey of Kenya Horticulture Project carried out for Traidcraft Exchange and Kenya Human Rights Commission in partnership with Finlays Horticulture, Kenya and Marks and Spencer UK. The study covered smallholder export vegetable production in Meru County - Meru South and Buuri Sub-Counties.
07/2013 - 10/2013	Ethiopia, Kenya, Uganda, Tanzania	Catholic Relief Services Dr Thekkiniath Jose Tel: +254 732-689-767 Jose.Thekkiniath@crs.org	Team Leader 33 Days	Mid-term Evaluation of Integrated Water Resources Management (IWRM). I was the Team Leader as well as the Agriculture and Livelihoods Expert.
04/2013 - 05/2013	Kenya	GROOTS Kenya Ms Esther Mwaura Director +254 724 438 082	Team Leader 25 Days	Baseline Survey for the project: Accelerating Rural Women's Access to Markets and Trade in Kitui and Molo Districts. The study was conducted for GROOTS Kenya Association.
02/2013 - 02/2013	Liberia and Sierra Leone	Coalition for African Rice Development (CARD)/AGRA Dr Souleymane Diouf Tel: (221) 33 860 43 36 Mobile: (221) 77 643 25 33 souleymanediouf@yahoo.fr	Rice Development Expert/Trainer 15 days	Technical Assistant for the task force for the formulation and implementation of the National Rice Development Strategy (NRDS) for Kenya. I was also trainer in development of Concept Papers for access to finance from the Coalition for African Rice Development – Liberia and Sierra Leone.
08/2012 - 10/2012	Somaliland	VSF Germany Mr Samuel Ogolla Country Programme Manager Tel: +254 788 597 233 Email: sam.ogolla@gmail.com	Team Leader 22 days	Mid-Term Evaluation of Somali Pastoralist Dairy Development Project II funded by EC and implemented by Vétérinaires Sans Frontières Germany. The project was implemented in Somaliland and Puntland and included development of dairy value chain infrastructure.
05/2012 - 07/2012	Kenya	VSF Belgium/Germany	Team Leader 30 days	Final Evaluation of ECHO La Nina II Emergency Project implemented in Wajir, Isiolo, Turkana, West Pokot, Mandera, Garissa, Marsabit, Samburu and Baringo.

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05/2012 - 06/2012	Kenya	CNFA Mr Francis Chabari Chief of Party Tel.: +254 722 206 275 francischabari@yahoo.co.uk	Consultant 10 Days	Preparation of Funding Proposals for two projects for CNFA for USAID funding: i) Resilience and Economic Growth in Arid Lands – Accelerated Growth (REGAL – AG) and ii) Resilience and Economic Growth in Arid Lands – Improved Resilience (REGAL –IR).
05/2012 - 05/2013	Kenya	Dr Daniel Irura National Livestock Officer FAO, Gigiri, Nairobi, Kenya Tel: +254 723 364 583 Email: Daniel.Irura@fao.org	Team Leader 45 Days	Study of Appropriate Methods of Ensuring Adoption of Best Practices on Improved Drought Tolerant Crop Production in Marginal Agricultural Areas of Kenya. The study was part of the Improving Impact of Emergency Response (IIER) Project implemented by FAO with SIDA funding. It covered Turkana, Samburu, Marsabit, Wajir and Garissa counties. A policy brief was drawn from the report.
02/2012 - 06/2013	Kenya	FAO, Kenya Dr Daniel Irura National Livestock Officer FAO, Gigiri, Nairobi, Kenya Tel: +254 723 364 583 Email: Daniel.Irura@fao.org	Team Leader 45 Days	Study of Capacity Needs/Gaps and Key Institutions/Players involved in Food Security Interventions at Community, District and County Levels in the ASAL Environment in Kenya. The study was part of the IIER project implemented by FAO with SIDA funding. It covered Turkana, Samburu, Marsabit, Wajir and Garissa counties. A policy brief was drawn from the report.
03/2012	Kenya	Kenya Human Rights Commission (KHRC) Mr Andrew Odete Programme Manager Tel: +254 720 935 715 Email: aodete@hivos.org	Team Leader 60 days	Research on Sisal Livelihoods in Mogotio, Kibwezi and Taita Taveta Districts. Spurred by unsubstantiated claims of massive human rights violations in the sisal estates of Kenya, the Kenya Human Rights Commission (KHRC) designed and awarded to Publix a research study to establish baseline information from which evidence of such claims could be adduced. The study was carried out over a period of three months and completed in March 2019.
06/2012	Kenya	FAO, Kenya Dr Daniel Irura National Livestock Officer FAO, Gigiri, Nairobi, Kenya Tel: +254 723 364 583 Email: Daniel.Irura@fao.org	Team Leader 36 Days	Study to Document Best Practices on Targeting Beneficiaries. The study was part of the project: IIER. It covered five Turkana, Samburu, Marsabit, Wajir and Garissa counties. A policy brief was drawn from the report.

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09/2011	Somalia	VSF Germany Mr Samuel Ogolla Country Programme Manager Tel: +254 788 597 233 Email: sam.ogolla@gmail.com	Team Leader 20 Days	End-Term Evaluation of the project: Supporting Activities of Livestock Entrepreneurs in Somalia (SALES) Project . The project was an emergency drought mitigation initiative aimed at improving milk production, handling, processing and marketing in Central Somalia.
06/2011	Kenya	VSF Belgium Dr Daniel Irura Programme Manage Tel: +254 723 364 583 Email: Daniel.Irura@fao.org	Team Leader 30 Days	Best Practices Manual for the Drought Management Initiative (DMI). Best practices were documented and recommended for emulation in future programming.
04/2011	Kenya	VSF Belgium Dr Daniel Irura Programme Manage Tel: +254 723 364 583 Email: Daniel.Irura@fao.org	Team Leader 30 Days	Final Evaluation of the Drought Management Initiative (DMI) in Turkana, Marsabit and Pokot implemented by VSF Belgium and Germany.
12/2010	Kenya	VSF Belgium Dr Daniel Irura Programme Manage Tel: +254 723 364 583 Email: Daniel.Irura@fao.org	Team Leader 30 Days	Final Evaluation of the EU-funded “Food Facility Project” implemented by VSF Belgium in 2 districts. The focus of the project was to create and train Pastoral Field Schools while promoting production, baling, and storage of fodder for sale and own-use during long dry spells.
11/2010	Kenya	Coalition for African Rice Development (CARD)/Alliance for a Green Revolution in Africa (AGRA)	National Consultant 22 Days	Mapping of Poverty Reduction Strategy Papers, Sector Strategies and Policies related to Rice Development in Kenya . This was a desk review of papers and policy documents from pre-independence Kenya to-date on rice development in the country.
07/2010	Kenya	VSF Suisse	Team Leader 28 days	Mid-term Evaluation of the impact of the Interactive Booklets on Children Drought Preparedness for Improved Community Response to Drought (ICRD) Phase II Project, funded by ECHO. Project covered north-eastern Uganda, northern and north-eastern Kenya.

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02/2010	Kenya	Ministry of Livestock Development, Kenya	Team Leader 65 days	Market Information Collection, Analysis and Dissemination Project also called 'Low Cost Market Information System' for the Ministry of Livestock Development and Fisheries, Kenya ,under the Smallholder Dairy Commercialization Programme. The programme covers nine districts in the Rift Valley and Western Kenya. The assignment designed a online system for reporting and dissemination of dairy information on a daily basis – milk prices, availability of feeds, disease outbreaks, livestock on sale etc. The system uses mobile telephone short codes to access the information.
11/2009	Kenya	Ministry of Livestock Development, Kenya	Team Leader 70 days	Rural Infrastructure Study for the Smallholder Dairy Commercialization Programme. Conducted an assessment of rural infrastructure – roads, bridges, milk collection centres, water supply, sanitation, and all other infrastructural facilities intended to support smallholder dairy farmers to commercialise their dairy production and access to markets in the nine districts of the programme in Kenya.
05/2009	Kenya	Land O'Lakes, Inc.	Team Leader 30 days	Business Development Services Market Diagnostic Study, Needs Assessment and Intervention Design for Land O' Lakes Inc. The study was conducted in three milk-sheds – Lessos, Trans Nzoia and Nyeri. It was an extension of the first BDS study completed in March 2009.
12/2008- 03/2009	Kenya	Land O'Lakes, Inc.	Team Leader 80 days	Business Development Services Market Diagnostic Study, Needs Assessment and Intervention Design (BDS) for Land O' Lakes Inc., with USAID funding. The study was conducted in five milk-sheds – Gatanga, Nakuru, Kabete, Kericho and Kinangop. Each milk-shed commanded an area of 35km radius from its main urban centre namely; Kangema, Molo, Kikuyu, Kipkelion, and North Kinangop, respectively. Each milk-shed was at the time able to deliver to the market at least 50,000 litres of milk daily. A detailed diagnostics of BDS was carried out, needs analysed and interventions designed for funding under the project.
03/2009	Kenya	German Agro-Action	Co-Evaluator 21 days	Mid-term Evaluation of GAA Project 1058 on biodiversity conservation for poverty eradication in Gwasssi Hills. The project had agriculture, nutrition, agro-forestry, animal traction, seed distribution, HIV/AIDS awareness creation and several other components.

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03/2009	Kenya	German Agro-Action	Co-Evaluator 21 days	Mid-term Evaluation of German Agro-Action's (GAA) Project 1032 on environmental protection for sustainable livelihoods in Kibwezi and Nzaui districts, Eastern Province.
01/2005- 07/2007	Ethiopia Kenya Malawi Mozambique Rwanda South Sudan Sudan Tanzania Uganda Zambia Zimbabwe	Japan International Cooperation Agency (JICA), Regional Support Office for Eastern and Southern Africa, Nairobi, Kenya	Consultant in Agriculture and Rural Development 2.5 Years	<p>Main functions included assisting the 12 JICA Country Offices who operate in the region's 25 countries by:</p> <ol style="list-style-type: none"> 1) Formulating project plans at regional, national, district and community levels. 2) Compiling project proposals approved by JICA Country Offices in Eastern and Southern Africa Region. 3) Drawing up Terms of Reference for projects and budget estimations, and project evaluations. <p>Selected accomplishments with JICA Regional Support Office for Eastern and Southern Africa include:</p> <ol style="list-style-type: none"> 1) Evaluation of irrigation status and rehabilitation needs in Gaza Province, Mozambique, April 11, 2006. 2) Publication of "Participatory Approach to Sustainable Village Development (PASViD) in Sub-Saharan Africa" March 2 006 3) Support to JICA Zambia office in formulation of two irrigation projects September 19, 2005. 4) Irrigation in the ASAL area for future collaboration between Israel, JICA (Japan) and Kenya, August 2005. 5) Support for preliminary project formulation for JICA's proposed irrigation projects in Zambia June 14, 2005. 6) Zambia peri-urban irrigation development project proposal, 06/ 2005. 7) Zambia national irrigation research station (Nanga) refurbishment proposal, June 2005. 8) Water supply and irrigation management in the eastern and southern Africa region April 9, 2005. 9) Support for participatory village development in isolated areas project (PAViDIA), Zambia: February 6-11, 2005.
07/2003	Kenya	Jama Feeds Ltd.	Consultant 15 days	Evaluation of animal feeds factory operations and preparation of an investment/rehabilitation proposal for Jama Feeds Ltd, Thika, Kenya.

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08/2004	Somaliland	ETC East Africa Ltd.	Evaluator 35 Days	Final Evaluation of the project: Promotion of Agricultural Production in Rural Areas of Erigawo District, Somaliland. Main activities included rehabilitation of an intricate canal and intake system drawing water from over 10 sources and serving 4 irrigation areas, training of farmers in horticultural farming, and capacity building through training of officers, rehabilitation of offices, and provision of office equipment at the regional offices of the Ministry of Agriculture.
01/2003- 12/2004	Kenya	Longman Kenya Publishers East African Educational Publishers Contact Mr. Barack Muruka	Editor and Editorial Advisor 6 Months	Edited the following school textbooks books for Kenya: 1. English Book 1 (Secondary Form 1) – Pupil’s Book 2. Agriculture Book 1 (Secondary Form 1) – Pupil’s Book 3. Agriculture Book 1 - Teacher’s Guide 4. English Book 2 (Secondary Form 2) – Pupil’s Book 5. English Book 2 – Teacher’s Guide 6. English Book 3 (Secondary Form 3) – Pupil’s Book 7. English Book 3 – Teacher’s Guide 8. English Book 7 (Primary Standard 7) – Pupil’s Book 9. English Book 7 – Teacher’s Guide 10. Biology Book 3 – (Secondary Form 3) – Pupil’s Book 11. Biology Book 3 – Teacher’s Guide 12. Physics Book 3 – (Secondary Form 3) – Pupil’s Book 13. Physics Book 3 – Teacher’s Guide 14. Agriculture Book 2 – (Secondary Form 2) – Pupil’s Book 15. Agriculture Book 2 – Teacher’s Guide 16. A Guide to the Study of Homestretch
08/2002 – 07/2003	Borama, Somaliland	Cooperazione Internazionale (COOPI) Mr Andrea Berloffia Email: berloffia@coop.i.org	Project Manager 1 Year	Project Manager for rehabilitation of Amoud Vocational Centre for Agriculture and Technology. I was engaged closely with the Ministries of Education and Agriculture together with University of Borama to rehabilitate the centre through equipping laboratories, construction of dining facility and halls of residence, repair of water supply, revival of the demonstration farm, revision of curriculum and recruitment of staff. My role included day-to-day liaison with community leaders, ministry staff, centre and university administration.

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02/2002	Somaliland	ETC East Africa Ltd.; for OXFAM GB; Funded by European Commission	Consultant 15 Days	Analysis of baseline survey questionnaires and preparation of baseline study report of Rural Water and Sanitation Rehabilitation Programme in Somaliland. It involved analysis of 120 baseline survey questionnaires, covering 10 villages in Galbeed Region of Somaliland
01/2002	Kenya	ETC East Africa Ltd. EC; Community Development Trust Fund	Consultant 25 Days	Feasibility Study of Kowow Irrigation Project in Marakwet District, Kerio Valley, Kenya. The study involved assessment of the capacity of neighbouring communities to co-exist in harmony, and rehabilitate and run the water supply system fed by Embobut River through furrows constructed in the seventeenth century. The furrows were surveyed to identify weak areas, rehabilitation measures designed and a training programme to upgrade the management and skills of the community were proposed.
11/2001	Somalia	ETC East Africa; OXFAM GB	Consultant 21 Days	Water and Sanitation Evaluation Study for Bari Region, Puntland, Somalia. A study to identify key water supply and sanitation bottlenecks and introduce workable interventions. Water harvesting structures called 'berkads' were proposed and designed as the first intervention.
08/2001	Somalia	ETC East Africa; Belgian Survival Fund through IFAD (International Fund for Agricultural Development)	Consultant 18 days	Technical Support to Integrated Community Development Programme (ICDP) in North-western Somalia (Somaliland). It was implemented by UNOPS/RESS. Its objectives were: improving the capacity of the community and local service providers to provide basic health services and access to safe water; A two-week course on data collection and community development at Gabiley, Somaliland for 20 project and district technical unit staff was delivered.
06/2001	Ethiopia	ETC East Africa Ltd.	Consultant 6 Months	Technical Support for the Integrated Food Security Programme in Zeway Dugda District, Arsi Zone, Ethiopia - Irrigation planning and project management backstopping. This was an EC-funded programme whose objective was poverty alleviation and improvement of food security in Oromo area of Ethiopia. Its components included: Income generation, environmental conservation, provision of social infrastructure (roads, water pans) and irrigation development.
04/2001	Kenya	ETC East Africa Ltd., Nairobi	Consultant 40 Days	Evaluation Study on District Analysis of Poverty, Target-Groups and Institutional Development to establish poverty levels, natural resource base and governance environment. The study was funded by SNV-Kenya.

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2000 - 2001	Kenya	Kenya Management Assistance Programme (K-MAP), Nairobi	Research and Projects Manager 4 Months	Business Development Services and Business Incubation. Was in-charge of new and on-going K-MAP programmes and research activities. I was involved in preparation of project proposals, contract negotiations, project implementation, monitoring and evaluation, business research and assessment of business plans. Successfully negotiated with GTZ to finance replication of the K-MAP model in Tanzania with co-ordination from the Tanzania Chamber of Commerce and Agriculture.
1997 - 2000	Kenya	Ministry of Agriculture, Nairobi	National Project Coordinator 2 Years and 2 Months	National Project Coordinator for Coast Arid and Semi-Arid Lands Development Project (CADP) funded by IFADD. I was responsible for annual planning and budgeting, management and implementation of the project covering Malindi, Kilifi, Lamu and Tana River districts. The project targeted smallholder farmers and livestock keepers for sustained reclamation and development of arid and semi-arid areas. Working closely with district programme officers in charge and line ministry staff for each component, my role was to assist district offices to prepare annual work plans and budgets, conduct participatory rural appraisal among communities to obtain their priority needs and assess their internal capacity to implement selected prioritised micro-projects, and conduct monitoring and evaluation missions. Regular reporting was maintained to the National Steering Committee, UNOPS and IFAD on project physical and financial performance.
1996 - 1997	Kenya	Publix (Africa) Limited, Nairobi/ Belgian Survival Fund	Team Leader 2 Years	1. Project Director on the Socio-economic - part of a feasibility study for a small-holder horticultural development project funded by JICA. 2. Socio-economist on the Water Users' Associations Support Project. Carried out for the Ministry of Land Reclamation, Regional and Water Development, Kenya, and funded by the Belgian Survival Fund. The study ascertained the rehabilitation needs of nine water projects in Machakos district including gauging the ability and willingness of users and the Community-Based Organizations (CBO) to manage the systems and pay for water.
				Farmer Organization Specialist on the Water Undertaker Study for the Ministry of Agriculture. The study evaluated strength of beneficiary organizations to run gravity fed domestic water supply systems developed with support from Belgian Survival Fund.

Silas Irea - Curriculum Vitae

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1991 - 1995	Uganda Kenya	REMA Associates Limited/ Finman Associates Ltd, Nairobi, Kenya	Project Manager 5 Years	<ol style="list-style-type: none"> 1. Study Director for Study on Identification of Animal Water Supply Structures for Karamoja Region, Uganda - for the Ministry of Finance and Economic Planning, Uganda, and financed by the European Development Fund. The study examined 24 proposed dam sites in the semi-arid Karamoja Region and evaluated them for suitability for earth-dam construction or rehabilitation. Earth dam designs were completed. 2. Consultant on study of Informal Cross-border Trade between Kenya and Uganda for Technoserve, Inc. The study monitored informal trade along the entire Kenya-Uganda border including land crossing points and landing points on Lake Victoria. 3. Principal Researcher on the Marketing of Green Maize in Nairobi. 4. Farmer Organization Specialist in the evaluation of farmer organizations in selected pump-fed irrigation schemes in four arid districts, Kenya. I reviewed horticultural production along the shores of Lake Victoria, Yatta Furrow in Thika, and Lower Tana River basin in Garissa to establish reasons for mass failure of pump-fed smallholder irrigation schemes. Focus was on production, efficiency of water use, human resource capacity and financial strength required to run pump stations and maintain consistent access to markets. 5. Team Leader/Agriculturist on the Demand Studies for Smallholder Irrigated Horticultural Farming, Kenya. The aim was to determine the overall water and production resources demands of farmers in five smallholder irrigation schemes. 6. Economist on the team that evaluated research activities of Phase I and designed Phase II of the National Agricultural Research Programme (NARP) funded by USAID. The mission evaluated research financing and designed the subsequent five-year Phase II. 7. Team Leader/Agro-economist for the Socio-economic Survey under the National Water Master Plan Study for the Ministry of Water Development. Study involved collecting district level socio-economic data on crop and animal production, forestry, demography, fisheries, transport and other social infrastructure in Kenya. 8. Team Leader or Socio-economic Survey and Baseline Study of Chakama Irrigation Scheme.

Silas Irea - Curriculum Vitae

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1988 -1990	Kenya	CODA & Partners (Africa) Ltd., Nairobi, Kenya & Kampala, Uganda	Consultant in Irrigation and Agricultural Economics 2.5 Years	<ol style="list-style-type: none"> 1. Economist on the Study on Involvement of Co-operatives and Private Traders in Grain Marketing in Kenya, financed by the European Union for the Ministry of Supplies and Marketing, Kenya. Study aimed at defining the degree of grain trade liberalization required in an oligopolistic market. 2. Economist on the Grain Transport, Storage and Marketing Study conducted in partnership with INITEC Energía, S.A. 3. Agricultural Economist on Lake Basin Irrigation Development Project for Lake Basin Development Authority - a feasibility study for irrigated horticulture.
1985 - 1988	Kenya	CODA & Partners (Africa) Ltd., Nairobi, Kenya & Kampala, Uganda	Consultant 3 Years	Agricultural Economist on the Uganda Tea Industry Rehabilitation Project for the Government of Uganda and funded by the World Bank. Inputs included an evaluation of the smallholder tea growing sector and proposals for rehabilitation.
1984	Kenya	Tana & Athi Rivers Development Authority, Nairobi, Kenya	Agriculturalist 1 Year	<ol style="list-style-type: none"> 1. Irrigation Planner/Economist on the Kibwezi Grape Pilot Project. This was a project for production of table grapes by pump-fed irrigation. 2. Water Resources Planner/Economist for the Kiambu and Kajiado counties Agricultural and Resource Development Projects. The studies aimed at establishing feasibility for efficient irrigation water use, supply to human settlements and for livestock use.
1981 - 1984	Kenya	Mwenge International Associates Ltd., Nairobi, Kenya	Consultant 4 Years	<ol style="list-style-type: none"> 1. Team Leader/Economist on Kerio Valley Horticulture study for Kerio Valley Development Authority – to identify sites for pilot and full-scale irrigation projects, propose suitable crops, design cropping patterns, estimate costs of implementation, and develop marketing strategies. 2. Team Leader on the Kerio Valley Development Authority Viticulture Study to identify, design and establish feasibility of grape production in the Kerio Valley. 3. Agricultural Economist on the Narok Agricultural Planning Project for the Ministry of Agriculture 4. Economist on Mugaine Broiler Production Farm Feasibility Study.

Silas Irea - Curriculum Vitae

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1981	Kenya	Rural Access Roads Programme, Ministry of Transport, Nairobi, Kenya	Economist 1 Month	I was responsible for analysis of the social and economic impact of construction of rural access roads in Nyeri District, Kenya.
1979-1981	Kenya	National Irrigation Board, Nairobi, Kenya	Projects Economist 2.5 Years	Was the economist for NIB irrigation schemes including Mwea, Bura, Perkerra, West Kano, Ahero, Bunyala and Hola. Responsibilities included marketing of scheme crops, economic analysis of production systems applied in the schemes, estimation of water tariffs and development of agricultural machinery retirement plans.

14. Other relevant information (e.g., Publications)

- Hikaru, N, F. Shingo, S M Irea (2006). - Participatory Approach to Sustainable Village Development (PASViD) in Sub-Saharan Africa, Japan International Cooperation Agency (JICA), Regional Support Office for Eastern and Southern Africa, Agriculture and Rural Development Team, JICA, Nairobi.
- Hikaru, N, F. Shingo, S M Irea (2006). - Sustainable Agriculture Technologies (SAT) for Sub-Saharan Africa, Japan International Cooperation Agency (JICA), Regional Support Office for Eastern and Southern Africa, Agriculture and Rural Development Team, JICA, Nairobi.

15. Referees

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