

5. ANNEX – 1: LIST OF STAFF

TSBF Institute -Director

Sanginga, Nteranya (Soil Microbiologist)

Senior Staff

Bationo, André (African Network Coordinator (Soil Scientist))

Chianu, Jonas (Socio Economist)

Coorbels Mark (Soil scientist, modeler)

Delve, Robert (Soil Fertility Management)

Huising, Jeroen (BGBD Coordinator (GIS Scientist))

Jefwa, Joyce (Microbiologist)

Johnson, Nancy (Economist)

Lesueur, Didier (Microbiologist)

Ohiokpehai, Omo (Food & Nutrition Scientist)

Okoth, Peter (Information Manager)

Pypers, Peter (Soil scientist)

Misiko, Michael (Social Scientist)

Roing, Kristina (Agronomist)

Speciose Kantengwa (CIALCA Coordinator, Rwanda)

Thierfelder, Christian (Soil and Water management)

Vanlauwe, Bernard (Soil Scientist)

Zingore Shamie (Soil Scientist)

Visiting Scientists

Merckx, Roel (Katholiek University, Belgium)

Andren, Olof (Upsalla University, Sweden)

Junko Sato (Kyoto University, Japan)

Consultants

Woomer, Paul (Soil Scientist. ISFM project)

Mokunywe, Uzo (Economist, BGBD Project)

Swift, Mike (BGBD Project)

Research Assistants

Akech, Caren (Research Asst)

Ekise, Isaac (Asst Scientific Officer),

Kankwatsa, Peace (Research Asst, Kampala)
Kasareka, Bashikwabo (Research Asst, DR Congo)

Kihara, Job (Asst Scientific Officer)

Lodi-Lama, Jean-Paul (Agronomist, DR Congo)

Lunzihirwa, Julie (Research Asst, DR Congo)

Maina, Fredah (Asst Scientific Officer)

Mairula, Franklin (Data Analyst)

Magreta, Ruth (Research Asst, Lilongwe)

Mapila, Mariam A.T.J. (Research Fellow, Lilongwe)

Mombeyarara, Talkmore (Research Asst, Harare)

Mukalama, John (Snr Scientific Assistant)

Okeyo, Jeremiah (Research Asst)

Rusinamhodzi, Leonard (Research Asst, Harare)

Sanginga, Jean-Marie (Research Asst., DR Congo)

Wangechi, Helen (Asst Scientific Officer)

Waswa, Boaz (Asst Scientific Officer)

Technical Staff

Chibole, Livingstone (Field Technician)

Dzvene, M (Field Asst, Harare)

Kadzere, Chengetai (Field worker, Harare)

Kingolla, Brenda (Field Asst-Food Nutrition)

Kimathi, Martin (Laboratory Assistant)

Mburu, Harrison (Lab Assistant-Microbiology)

Mugadi, Doreen (Lab Technician-Microbiology)

Muthoni, Margaret (Laboratory Assistant)

Mwangi, Elias (Laboratory Assistant)

Ngului, Wilson (Laboratory Technician)

Nyambega, Laban (Field Technician)

Njenga, Francis (Laboratory Assistant)

Murangana, Francis (Field worker Harare)

Administrative Staff

Agalo, Henry (Driver / Field Assistant)
Akuro, Elly (Driver / Field Assistant)
Chisvino, Stephen (Driver/OA, Harare)
Kareri, Alice (Administrator)
Kuya, Sebastien (Driver/Technician, DR Congo)
Meyo, Rosemary (Administrative Assistant)
Mulogoli, Caleb (Finance/IT Asst)

Mutende, Oscar (Finance Assistant)
Ngwira, Evelyn (Accounts Asst, Lilongwe)
Ngutu, Charles (Finance/Admin. Officer)
Nomsa Nhaoinesu (Admin Asst., Harare)
Nyamhingura, Isabella (Admin. Asst, Harare)
Odongo, Jacqueline (Administrative Asst.)
Ogola, Juliet (Snr Administrative Asst.)
Sambo, Margaret (Administrative Ass

6. ANNEX – 2: LIST OF STUDENTS

Name	Nationality	Degree	Status	Institution	Research theme
Kibiby Mtenga	Tanzanian	PhD	Second year student	Cornell University	Gender and Soil Fertility Management in Malawi: A Participatory Analysis of Farmers' Incentives to Re-invest in Soil Fertility Management Innovations by Women and Men Farmers
Peter Ebanyat	Ugandan	PhD	First year student,	Wageningen University	Dynamics of Soil Organic Matter and Nitrogen in Farmer Field Schools generated Integrated Soil Fertility Management Practices (draft title).
Elisabeth Gotschi	Austrian	PhD	First year student	University of Natural Resources and Applied Life Sciences (BOKU), Vienna, Austria	Social Capital in Smallholder Marketing Groups in Sofala Province, Mozambique..
Pamela Pali	Ugandan	PhD	First year student	University of Natural Resources and Applied Life Sciences (BOKU), Vienna, Austria	Impact of Organic Agriculture in Uganda: Improving Livelihoods through Sustainable Natural Resource Management
Jackson Tumwine	Ugandan	PhD	First year student	University of Natural Resources and Applied Life Sciences (BOKU), Vienna, Austria	Linking Farmers to Market: Challenges and Opportunities of Improving Rural Livelihoods for Communities affected by HIV/AIDS in Uganda
Charles Walaga	Ugandan	PhD	Second year student	University of Natural Resources and Applied Life Sciences (BOKU),	Organic agriculture development and livelihood improvement in Uganda: Future scenarios and policy measures

Vienna, Austria

Juan Cobo	Colombian	PhD	First Year	Hohenheim, Germany	Spatial and temporal management of nutrient and water resources in Zimbabwe and Mozambique
Brian Ssebunya	Ugandan	MSc	First year	Makerere University	Comparative advantage of Uganda's fresh produce in major export markets. A case of certified organic fruits and vegetables
Wouter Ton	Dutch	MSc	New student	University Twente, Netherlands	Comparison of participatory approaches in Uganda
Grace Agwaru	Ugandan	MSc	Second year	Makerere University, Uganda	Assessing Approaches And Developing Methods For Presentation Of Research Results To Farmers Within Their Livelihood Situations: A Case Study In Soroti And Arua Districts
Dick Lufafa	Ugandan	MSc	Second year	Makerere University, Uganda	On-farm comparison of the economic profitability of selected dual-purpose live barriers. Second year
Kiwanka Achilles	Ugandan	MSc	First year	Makerere University	Environmental and socio-economic impact of organic farming on the livelihood of small-scale farmers in Uganda
Jacintha Kimiti	Kenyan	PhD	Continuing	Kenyatta University	Integrating Legumes in the Farming Systems of Eastern Kenya to Enhance Soil Fertility'
Charles Collins Ong'aro Ogowan'g	Kenyan	Msc	Continuing	Maseno University	A Comparative Analysis of the Production Potential and Efficiency of Cotton, Soybean, Maize and Sugarcane in Mumias District.

Monicah Mucheru	Kenyan	PhD	Continuing	Kenyatta University	N Dynamics as affected by soil fertility status and nutrient replenishment inputs in the central highlands of Kenya'
Edward Yeboah	Ghanaian	PhD	2004-2007	University of Ghana	Sustaining Crop Productivity: The influence of Organic Resource Quality and Quantity'
Pablo Tiftonell	Argentina	PhD	Completed	Wageningen University	Exploring options, analysing tradeoffs and deriving indicators of efficiency for integrated nutrient management in smallholder farming systems of East Africa'
Pauline Nhamo	Zimbabwean	PhD	Continuing	University of California	Exploring how organic and mineral nutrient combinations interact to regulate nutrient cycling'
Judith Odhiambo	Kenyan		Continuing	Egerton University	Effect of selected legume species on germination of Striga hermonthica seeds: a control strategy in maize
Telesphoret Ndabamenya	Rwandese	PhD	Continuing	University of Pretoria	Interactions Between Soil Fertility and Plant Groth Environment as Affected by Resource Competition and Density Planting in Banana (Musa sp) – Based Cropping Systems in Rwanda
Harrison Njoroge Mburu	Kenyan	Higher Diploma	Completed	The Kenya Polytechnic	Use of Denaturing Gradient Gel Electrophoresis as a Molecular Tool to Characterize Soil Microbes
Clemence Cantoni	French	Msc	Completed	Sup Agro Montpellier-ESI	Agronomical Surveys of Turkana Villages for Gum Arabic Business. It is the way forward

for pastoral people.

Agnes Kavoo	Kenyan	MSc	Continuing	Kenyatta University	Interactions between resource quality, aggregate turnover, and C and N cycling in the Central Highlands of Kenya'
Alice Murage	Kenyan	PhD	Continuing	Egerton University	Evaluation to the Different Pathways of Disseminating the Push and Pull Technology.
Micheal Ochieng	Kenyan	MSc	Completed	Jomo Kenyatta University of Agriculture and technology	On-farm interaction between soil fertility factors, farmer management, pests and diseases and the growth and yields of banana in Maragwa district, Kenya
Justin Muriuki	Kenyan	MSc	2005-2006	Kenyatta University	Economic evaluation of organic and inorganic technologies for soil nutrient enhancement in Mukuuni and Murugi, Central Kenya'
Marion Ng'ang'a	Kenyan	MSc	Continuing	Moi University	Vegetable Legume Intercrop Development for Nutrition and Sustainability of HIV/AIDS Affected Rural Households of Kenya
Mr. Tom Hongo Amolo	Kenyan	MSc	Continuing	Kenyatta University	Effect of Soybean Enriched Diet on Nutrition and Health Status of HIV+ and exposed Children (6 mo-59 months) in Suba District Kenya.
Joyce Kamau (MSc)	Kenyan	MSc	Continuing	Kenyatta University	Effect of soybean (Glycine max) supplementation on nutritional status of children aged 6-9 years from HIV/AIDS affected households in Suba District

Gertrude Were	Kenyan	PhD	Continuing	Moi University	Effect Of Soybean Enriched Diet On The Nutrition And Health Of HIV Infected & Affected Children In Fishing and Farming areas in Suba District, Kenya.
Harrison Githinji	Kenyan	MSc	2005-2007	Moi University	Effects of conservation tillage and organic residues on crop productivity
Dilys Kpongor	Ghanaian	PhD	Continuing	ZEF, Univ. of Bonn Germany	Evaluation of the best-bet soil fertility restoration technologies in Northern Nigeria
Michael Misiko	Kenyan	PhD	Completed	Wageningen University	Knowledge and networks: Challenges and opportunities for scaling up integrated soil fertility management regimes
Joseph Kimetu	Kenyan	PhD	Continuing	Cornel University, USA	Restoration of Soils in Western Kenya Using Manure and Tithonia diversifolia
Abdoulaye Saley	Nigerien	PhD	Continuing	North West Univ. South Africa	Screening forage legumes for adaptation to drought in the dry lands of South Africa
Kanako Suzuki	Japan	PhD	Continuing	Kyoto University	Assessment of organic nutrient uptake in Pearl millet in Niger
Nelson Castañeda	Colombian	PhD	Continuing	University of Goettingen	Genotypic variation in P acquisition & utilization in A. pinto
Martha Bolaños	Colombian	PhD	Continuing	National University	Role of soil enzymes in vegetable banana production systems
Andres Rangel	Colombian	PhD	Continuing	Hiversity of Hannover	Mechanisms of aluminum resistance in common bean

Annabé Louw-Gaume	South African	PhD	Continuing	ETHZ	Mechanisms of low phosphorus adaptation in Brachiaria
Alvaro Rincon	Colombian	PhD	Continuing	National University	Integration of maize with forages to recuperate degraded pastures in the Llanos of Colombia
Sergio Mejia	Colombian	PhD	Continuing	National University	Identification of candidate genes responsible for adaptation of tropical forage grass, Bracharia to low phosphorus soils
Jose Ricaurte Jaumer	Colombian	MSc	Continuing	National University	Impact of aluminium tolerant Bracharia genotypes on soil quality characteristics of an oxisol of the altillanura of the Meta Department of Colombia
Ms. Njaramba Lucy	Kenyan	M.A.	Continuing	Institute of Development Studies (IDS), University of Nairobi	Market and demand for soybean by food processing industries and supermarkets in Kenya
Sato Junko	Japanese	PhD	Continuing	Kyoto University Japan	
Miriam Githongo	Kenyan	MSc	Continuing	Nairobi University / University of Florida	
Ms. Diarra Sidibe		PhD	Continuing	Borlaug Scholarship, Hawaii University	
Job Kihara	Kenyan	PhD	Continuing	University of Bonn	Conservation Tillage: Understanding the Biophysical Processes Affecting its Effectiveness
Mr. Amek Tom	Kenyan	M.A.	Completed	Economics Department, University of Nairobi	Ex-ante adoption potential of seven technological options for improving ecosystem

services in Kenya

Adamou Abdou		MSc	Continuing	University of Niamey, Niger	
Helen Anyanzwa	Kenyan	MSc	Continuing	Moi University	
Edwin Rotich	Kenyan	MSc	Continuing	Moi University	
S. Some	Burkinabe	PhD		ZEF, Univ. of Bonn Germany	
Kamidodzono Akira	Japanese	PhD	Continuing	JIRCAS	
Fatondji Doubedji		PhD	Completed	University of Bonn, Germany	
Sakko Mori	Japanese	PhD	Continuing	JIRCAS	
Wasike Victor	Kenyan	PhD	Continuing	Egerton University.	Genetic Diversity of Dual – Purpose Soyabean [Glycine max (L.) Merr.], Indigenous Bradyrhizobia Strains and Their Potential to Fix Nitrogen in Kenya.
Kariuki Felix	Kenyan	Bsc	Continuing	Nairobi University.	Investigating the VAM Root Infection in Soyabean.
Musyoki Mary	Kenyan	Msc	Continuing	Kenyatta University	Soil microbiology and bio-functioning.
FAYE Aliou	Senegalese	Msc	Completed	IRD-Senegal	Contribution a l' etude de la diversite de rhizombiums et leur impact sur la fertilite du sol sous un peuplement naturel d' Acacia nilotica subsp tomentosa Wild: exemple de la foret classée de Diara au Senegal.

Margaret Mwangi	Kenyan	Msc	Continuing	Kenyatta University	Effects of Trichoderma hirzianum and mycorrhizae on growth and disease management in tea cuttings, tomato seedlings and napier grass cuttings
Thomas Ondara	Kenyan	Msc	Continuing	Jomo Kenyatta University of Agriculture and technology	Mycorrhizal status of improved cassava (manihot esculenta crantz) cultivars in different fertilizer regimes in western Kenya
John Nyaga	Kenyan	Bsc	Continuing	Jomo Kenyatta University of Agriculture and technology	Diversity Arbuscular Mycorrhizal Fungi (AMF) Fusarium wilt (Fusarium oxysporum) in tissue cultured banana
Murua Elizabeth	Kenyan	Msc	Continuing	Kenyatta University	Nitrogen Inputs Knowledge in the Management of Highly Degraded Soils in Chakol, Teso District, Kenya
Alfred Nyambane	Kenyan	Msc	Continuing	Kenyatta University	Determination of Genetic Co-efficient of Dual Purpose Soybean and their Agro-ecological Potential in Kenya
Anne Frayer	French	Msc	Completed	ENGREF-ENSTIB 3	Charcoal Burning in Isiolo District, Kenya. Estimation of Charcoal Burners' Activity and Consequences for the Local Natural Resource in Acacia Trees
Faith W. Wanjau	Kenyan	Msc	Continuing	Moi University	The Influence of Charcoal on Soil Fauna and Soil Fertility in Central and Western Kenya.
Esther Muema	K. Kenyan	Msc	Continuing	Moi University	Comparative Effects of Different Quality Organic Resources on Soil Microbial Diversity

						Under Two Different Environments in Kenya.
John Ojiem	Kenyan	PhD	Completed	Wageningen University		Niche-Based Approach to Soil Fertility Improvement by Legumes in Western Kenya.
Fulgence Joseph Muhili	Tanzanian	PhD	Continuing	Purdue University		Grain Legume Trade and Marketing in Eastern and Southern Africa: Spatial and Temporal Analysis.
Johnstone Kennedy Oyango	Kenyan	Msc	Continuing	Nairobi University		Assessment of Factors Affecting the Use and Management of Plant Organic Resources in Soil Fertility Management. The case of Meru South District, Kenya.
Josephat Mugabo	Rwanda	PhD	Continuity	Katholieke University, Leuven, Belgium		Agriculture Intensification Under High Population Pressure in Rwanda: An Analysis of Fertilizer Policy and Legume- Based Systems Economic Incentives.
Justina Chianu	Nigerian	Msc	Completed	Ibadan University		Livelihoods Activities and Poverty Among Rural Households in the Farming Systems of Western Kenya.
Odongo Nicodemus Ochieng	Kenyan	MA	Continuing	Nairobi University		Demand for Soybeans: A Case Study of Livestock Feed Industry in Nairobi.
Bonyo Seline Odhiambo	Kenyan	Msc	Continuing	Maseno University		A Comparative Economic Analysis of Maize, Soybean, Sugarcane and Tobacco Enterprises in the Farming Systems of Uriri Division, Rongo District, Kenya.
Miriti Kirimi	Justin Kenyan	Msc	Continuing	Jomo Kenyatta University of Agriculture and		Influence of Inorganic Fertilizer and Micronutrients on Yield and Quality Attributes of Tissue Culture Banana (<i>Musa sp</i>), ratoon

				technology	Crop.
Mary Nyawira	Kenyan	PhD	Continuing	Wageningen University	Mycorrhiza (Glomerin).
Juma Robinson	Kenyan	Msc	Continuing	Jomo Kenyatta University of Agriculture and technology	Effects of Mixed Isolates of Arbuscular Mycorrhiza Fungi on the Field Establishment and Growth of Tissue Culture Bananas
Edward Rurangwa	Rwandese	Msc	Continuing	Jomo Kenyatta University of Agriculture and technology	
Florence Kyallo	Kenyan	PhD	Continuing	Jomo Kenyatta University of Agriculture and technology	Overweight and Obesity Among School Children (6-11) in Nairobi: Risk Factors and Potential Intervention
Judith Okoth Okello	Kenyan	PhD	Continuing	Jomo Kenyatta University of Agriculture and technology	Utilizing Soybean and Local Staples (Cassava) to Enhance the Nutritional Status of Under Five Year Old Children in Western and Kaloleni, Kenya.
Edgar Kadenge	Kenyan	Bsc	Completed	Egerton University	Farmer Groups and Agricultural Knowledge Knowledge and Extension
Sarah Atuto	Kenyan	Bsc	Continuing	Egerton University	Community Facilitation Through Farmer Groups
Job Oгода	Kenyan	Msc	Continuing	Egerton University	

Geoffrey Okello	Ugandan	Msc	Continuing	Makerere University	Socio-Economic Determinants of Within-Farm Soil Fertility Gradients in Western Kenya
Muke Manzehele	Congolese	MSc	Continuing	University of Kinshasa	Technologies to Improve Agricultural Production and Soil Conservation and Scoping Land in Sud-Kivu
Julie Lunzihirwa	Congolese	MSc	Continuing	University of Kinshasa	The Impact of Beans and Groundnut Channels on the Productivity and Agricultural Income of Thousands in Cataract Region.
Rachel Zozo	Congolese	MSc	Continuing	University of Kinshasa	Assessing the Socio-Economic Importance of Legumes on the Livelihoods of Farmers at Mugogo and Mudaka Markets in Ngleshe and Katana Axes, DRC.
Leon Nabahuuzu	Rwandese	PhD	Continuing	Wageningen University	Comparing Claims of Wetlands in Eastern Rwanda: Challenges and Opportunities. Nutrient deficiencies in Soils of Lalungu, South Kivu, DRC
Roberta Gentile	Canadian	PhD	Continuing	University of California, Davis.	Impacts of Roots on Soil Organic Matter Aggregates and Nitrogen Cycling.
Isabella Vanderplas	Belgian	PhD	Continuing	Katholiek University, Leuven	Production in Farmer Groups in Kenya
Benjamin Kiborr	Kenyan	PhD	Continuing	Wageningen University	Exploring Diversity and Adoption of Agro forestry Technologies in Mixed Crop - Livestock Smallholder Farming in Kenya.

Fredrick Ayuke	Kenyan	PhD	Continuing	Wageningen University	Soil Fauna and Aggregates
Judith Odhiambo	Kenyan		Continuing	Egerton University	Effect of selected legume species on germination of Striga hermonthica seeds: a control strategy in maize
Lele Bonaventure	Congolese	Msc	Continuing	University of Kinsasha	Technologies to Improve Agricultural Production in Cassava-Legume Intercropping Systems
Joachim Vansteenkiste	Belgian	Msc		Catholic University of Leuven	
Charles Bucagu		PhD		Wageningen University	
Mary Koech	Kenyan	PhD		Moi University	

7. ANNEX – 3: LIST OF PARTNERS

Collaborators:

NARS: Kenyatta University, Kenya, VLIR project on food security in Central Kenya; RF soybean project; JKUAT, Kenya, RF banana project; NARO, Uganda and LZARDI, Tanzania, DfID project on striga management in the Lake Victoria Basin; NARO, Uganda, RF project on exploring soybean potential in East Africa; KARI, Kenya, DfID project on striga management in the Lake Victoria Basin; University of Zimbabwe, Zimbabwe, NSF project on soil aggregation; Soil Research Institute, Ghana, NSF project on soil aggregation; INERA, D R Congo, ISAR, Rwanda, DGDC project on legume integration in systems in Central Africa; DGDC project on banana management in Central Africa; ISABU and IRAZ, Burundi, DGDC project on banana management in Central Africa; University of Kinshasa and University of Bukavu, D R Congo, VLIR project on cassava in D R Congo; Forest Dept of CIRAD, France, Kenyan Forestry Research Institute, Kenya, FOFIFA, Madagascar INCO DEV FOREAIM on Bridging restoration and multi-functionality in degraded forest landscape of Eastern Africa and Indian Ocean islands; INERA-DPF, Burkina Faso and Forest Dept of CIRAD, France, project CORAF/Gomme Arabique on Impact de l'inoculation par les rhizobiums sur la productivite de gommeraias plantees ou naturelles et la dynamique de facteurs lies au fonctionnement biologique des sols sous-jacents ; INERA, Burkina Faso, ISRA, Senegal, FOFIFA, Madagascar, project ANR/MICROBES project on microbial observatories for the management of soil ecosystem services in the tropic; KEFRI, Kenya, Forest Dept of CIRAD, France and Grassland Research Station, Zimbabwe, project INCO DEV SAFSYS on Symbionts in agroforestry systems: what are the long-term impacts of inoculation of Calliandra calothyrsus and its intercrops; Antananarivo University, Madagascar and University of Makerere, Uganda project INCO DEV FOREAIM on Bridging restoration and multi-functionality in degraded forest landscape of Eastern Africa and Indian Ocean islands; University of Niamey, Niger and University Cheikh Anta Diop, Senegal, project CORAF/Gomme Arabique on Impact de l'inoculation par les rhizobiums sur la productivite de gommeraias plantees ou naturelles et la dynamique de facteurs lies au fonctionnement biologique des sols sous-jacents; Institut National de Recherches Agronomiques du Niger (INRAN); Niamey/Niger; Institut d'Economie Rurale (IER), Mali; ARS, Chilanga Zambia (Moses Mwale); EARO (Ethiopian Agricultural Research organization), Ethiopia; Ahmadu Bello University, Nigeria; ARI Mlingano, Tanzania; Egerton University, Kenya; University of Nairobi, Nairobi (Kenya) (Rosemary Atieno); Makerere University, Kampala (Uganda) (Elizabeth K. Balirwa, Jonny Mugisha, John Baptiste, Mary Silver); Lake Basin Development Authority (Kenya) (Amos Ameya); Selian Agricultural Research Institute (Tanzania) (Sossi Kweka and Festo Ngulu); Southern Regions Research Institute, Ethiopia; ARES (Department of Agriculture Research and Extension), Zimbabwe

IIAM (Instituto Nacional de Investigacao Agronomica), Mozambique; Eduardo Mondlane University, Maputo, Mozambique; Universidade Católica de Moçambique, Beira, Mozambique and DARS (Department of Agriculture Research Services), Malawi

Advanced Research Institutes: J Six, University of California Davis, USA, NSF project on soil aggregation; R Merckx, Catholic University of Leuven, Belgium, VLIR project on food security in Central Kenya; E Tollens, Catholic University of Leuven, Belgium, DGDC project on legume

integration in systems in Central Africa; R Swennen, Catholic University of Leuven, Belgium, DGDC project on banana management in Central Africa; S Recous, INRA, France, VLIR project on food security in Central Kenya; K Giller, WUR, Netherlands, EU project on Africa NUANCES; L Brussaard, L Stroosnijder, WUR, Netherlands, WOTRO project on soil fauna and soil aggregation; Institut de Recherche pour le Developpement, France, project CORAF/Gomme Arabique on Impact de l'inoculation par les rhizobiums sur la productivite de gommeraias plantees ou naturelles et la dynamique de facteurs lies au fonctionnement biologique des sols sous-jacents; Institut de Recherche pour le Developpement, France, Centre of Ecology and Hydrology, UK' University of Norway, project INCO DEV FOREAIM on Bridging restoration and multi-functionality in degraded forest landscape of Eastern Africa and Indian Ocean islands; GSF-Munich, Germany and Institut de Recherche pour le Developpement, France project ANR/MICROBES project on microbial observatories for the management of soil ecosystem services in the tropic; Centre of Ecology and Hydrology and, Scottish Agricultural College UK, project INCO DEV SAFSYS on Symbionts in agroforestry systems: what are the long-term impacts of inoculation of Calliandra calothyrsus and its intercrops; BIOFORSK Soil, Water and Environment, Norway; JIRCAS (Japan International Research Center for Agricultural Sciences), Japan; Wye College, University of London (Colin Poulton); Kyoto University, Kyoto, Japan (Atsuyuki Asami); Ishikawa Prefectural University, Japan (Hiroshi Tsujii); University of Kiel, Kiel, Germany (Roll A.E. Mueller); Universite Catholique de Louvain (Eric F. Tollens); Swedish Univ. Agric. Sci (SLU), Uppsala, Sweden (Olof André). University of Natural Resources and Applied Life Sciences (BOKU), Vienna Project on Linking Farmers to Markets; University of Hohenheim, Germany, University of Firenze, Florence, Italy.

International Agricultural Research Centres: IITA, Uganda, RF project on ISFM for bananas; DGDC project on banana management in Central Africa; IITA, Nigeria (Alene Arega, David Chikoye, Robert Abaidoo); ICIPE and CIMMYT Kenya, DfID project on striga management in the Lake Victoria Basin; CIMMYT, Kenya, AATF project on striga management in Western Kenya; IFDC, Togo, WOTRO project on soil fauna and soil aggregation; INIBAP, Uganda, DGDC project on banana management in Central Africa; ICRAF, Kenya, RF project on soil fertility gradients and site-specific soil fertility management; ICRISAT (Niger); Centre d'Etude Régional pour l'Amélioration de l'Adaptation à la Sécheresse (CERAAS/ISRA); West African Rice Development Authority (Patrick M. Kormawa); African Highlands Initiative, Ethiopia.

International and Regional Agricultural Research Centers: CIMMYT, Kenya: Hugo de Groote, Mirjam Pulleman; CIP, Kenya: Charles Crissman; ICRAF, Kenya: Frank Place, Steve Franzel, Noordin Qureish, Bashir Jama, Richard Coe, Keith Shepherd; ICRISAT, Kenya: Ade Freeman; ICRISAT, Mali: Tabo; ICRISAT, Niger: Abdoulaye and Mahamane; ICRISAT, Zimbabwe: John Dimes; IITA Ibadan, Nigeria- Abdou; IITA Uganda: Piet van Asten, Cliff Gold, Suleiman Okech; ILRI, Kenya: Patti Kristjanson, Steve Staal, Philip Thornton, Mario Herrero, Dannie Romney; ICIPE: Zia Khan; AATF: Mpoko Bokanga; West African Rice Development Authority – S. Oyke; International Institute for Tropical Agriculture – Alene Arega, David Chikoye, Robert Abaidoo

NGOs: FIPS, Kenya, RF project on soil fertility gradients and site-specific soil fertility management; SACRED-Africa, Kenya, RF soybean project; Diobass and Food for the Hungry, D R Congo, DGDC project on legume integration in systems in Central Africa; DGDC project

on banana management in Central Africa; UR2PI, Congo ,ANR/MICROBES project on microbial observatories for the management of soil ecosystem services in the tropic; Hunger Project/Burkina Faso; Groupe d'Action pour le Développement Communautaire (GADEC); Tambacounda / Senegal; Union des Groupements Paysans de Mekhe (UGPM/ Senegal); Projet Intrants/Niger; Groupement Nabonswendé de Tougouri / Burkina; Entente des Groupements Associés de Toubacouta (EGAT) / Senegal; Caritas-Kaolack/Senegal; AfriAfya (Caroline Nyamai-Kisia); CRS (Tom Remington); Farmers' Own Trading Company (Tony Margetts) Africa2000 Network, UEEF, Africare (Uganda)

The Private Sector: TSBF-Africa is also working with a wide array of private sector and farmers associations. Some of those involved in Kenya as an example include: Western Seed Company (Kenya)– Saleem Esmail; BIDCO OIL REFINERIES LIMITED (Kenya) – Dileswar Pradhan, Ashish Mandlik; Mukwano Group of Companies (Uganda) – Ibnul Hassan Rizvi; NUTRO MANUFACTURING EPZ LIMITED – Simon Glover; Ebubala Self-Help Group (Shianda Location of Butere Division, Kenya); Tushiauriane Self Help Group (Eluche Sub-location, Kenya); Nabongo Panga Self-Help Group (Matawa Sub-Location, Nabongo Location, Kenya); Jitolee Women Group (Lukohe sublocation, North Marama location, Butere Division, Kenya); Etako Women Group (Lukohe sublocation, North Marama location, Butere Division, Kenya); Bushe Women Group (Butere Division, Kenya); Shishebu farmers' Group (Shianda location, Butere Division, Kenya); Mabile farmers' field school (Shianda location, Butere Division, Kenya); Masaa Men and Women Group; Eluche Mwangaza Community Dev't Organization (Eluche Sublocation, Mumias Division, Kenya); Uriri farmers' cooperative society (Migori District, Kenya); Suna farmers' cooperative society (Migori District, Kenya). AMFRI farms (Uganda), Olivine Industries, Harare, Reapers (Pvt) Ltd, Harare

8. ANNEX – 4: LIST OF PROPOSALS FUNDED

TSBF-Africa - New proposals approved in 2007

ACTIVE TSBF BUDGET CODES - 2007					
Budget Code	Title	Donor	TOTAL BUDGET	Principal Scientist / Coordinator	
CORE BUDGETS					
1	TS01	Integration CIAT-TSBF Holdback	CIAT	8,800.00	Sanginga
2	TS02	CIDA-Funds to Africa	CIDA	203,800.00	Sanginga
3	TS10	USAID's Funds to TSBF	USAID	59,000.00	Sanginga
4	TSA25	France CIRAD Scientist	MOFA - France	27,293.00	Didier
RESTRICTED PROJECTS					
5	TSA30	ICRISAT- Desert Margins Programme with GEF Local Areas on Biological Diversity with Relevance to Climate Change and the Reduction of Land Degradation in the desert Margin Areas	ICRISAT	-11,925.00	Bationo
6	TSA33	RIUP-Preperation of proformas for validated outputs Use of social capital to improve NRM	NRI	13,877.00	Pascal
7	TSA34	Accelerating Prosperity of Rural Communities in the Umatara Province in Rwanda	IFAD	78,375.00	Vanlauwe

8	TSA36	IDRC - Community-Based Interactive Learning and its Application to Soil Fertility Management (Kenya) Phase II	IDRC	64,468.00	Ramisch
9	TSA38	AATF - Striga Control in Western Kenya: Raising Awareness, Containing and Reducing the Infestation and Developing Strategies for Eradication	AATF	12,119.00	Vanlauwe
10	TSA39	Rural livelihood Diversified soil fertility	CNFA	141,167.00	Delve
11	TSA42	Scaling up livelihood impacts through farmer organization and access to market	KILIMO	157,300.00	Delve
12	TSA44	Arusha Wkshop on green revolution	IIE	5,000.00	Bationo
13	TSA49	Others-Income and Operation Expenses Zimbabwe	CIAT		Delve
14	TSA51	B & M Gates- Soil fertility Learning Partnership reimbursement	B&M GATES	199,525.00	Sanginga
15	TSA53	RF - Soybean Processing and Utilization for Improving the Health and Nutrition of Rural Households in HIV/AIDS affected areas of Kenya	RF	127,651.00	Ohiokpehai
16	TSA54	FARA-Increasing the Productivity, stability, sustainability and profitability of smallholder agriculture in vulnerable Production Systems through more efficient use of water and nutrients	FARA	-40,048.00	Delve

17	TSA56	RF - Soybean Processing and Utilization for Improving the Health and Nutrition of Rural Households in HIV/AIDS affected areas of Kenya-PHASE 2	RF	201,400.00	Ohiokpehai
18	TSA58	IFDC - Combating Soil Fertility Decline to Implement smallholder Agricultural Intensification in Sub-Saharan Africa	IFDC	309,721.00	Delve
19	TSA63	WOTRO-More Cropping Per Dropping: Optimizing the Water and Nitrogen use efficiency \$ Crop Residue Management for Water Conservation Agriculture	Wageningen University	39,080.00	Vanlauwe
20	TSA64	AUSTRIA - Linking Farmers to Markets. Developing Sustainable Marketing Systems to Improve the Competitiveness of Small Holder Organic Agriculture	AUSTRIA	52,031.00	Delve
21	TSA67	Increasing Total Farm Productivity in Vulnerable Production Systems in Mozambique through Improved Germplasm Water and Nutrient use efficiencies	AUSTRIA	244,085.00	Delve
22	TSA69	Evaluation of Nutrient Use Efficiency and Crop Residue Management for Water Conservation under Conservation Agriculture	JIRCAS	2,100.00	Bationo

23	TSA70	UCLA - The Interaction Between Resource Quality and Aggregate Turnover Controls Ecosystem Nitrogen and Carbon Cycling	University of California	10,920.00	Vanlauwe
24	TSA71	FAO Activities in the framework of strategy A1	FAO	11,083.00	Ritu
25	TSA73	Fertilizer Micro Dosing and Drought Tolerant Varieties Technology Transfer for small Farmer prosperity in the Sahel	CERAAS	2,905.00	Bationo
26	TSA75	Promoting Use of Indigenous Phosphate rock for Soil Recapitalization Fertility in Sahel	CERAAS	2,478.00	Bationo
27	TSA79	ICRISAT-Combining Water Harvesting Techniques and Nutrient Management to sustain food Production in the dry lands of West Africa	ICRISAT	6,238.00	Bationo
28	TSA80	ICRISAT - Enhancing Rainwater and Nutrient Use Efficiency for Improved Crop Productivity, farm Income and Rural Livelihoods in the Volta Basin	ICRISAT	16,402.00	Bationo
29	TSA81	RF - Exploring the multiple potentials of soybeans in enhancing rural livelihoods and small Industry in East Africa	RF	140,300.00	Chianu
30	TSA83	Building adaptive capacity to cope with increasing vulnerability due to climate change	ICRISAT	40,000.00	

31	TSA84	RF-TSBF/Integrated Soil Fertility Management in the Tropics	RF	173,856.00	Sanginga/ Bationo
32	TSA85	RF BANANA	RF	36,262.00	Vanlauwe
33	TSA87	ARUSHA WKSOP on green revolution	IDRC	42,200.00	Bationo
34	TSA89	RF - Exploring the multiple potentials of soybeans in enhancing rural livelihoods and small Industry in East Africa	RF	64,553.00	Chianu
35	TSA90	DGDC - Enhancing the resilience of agro-ecosystems in Central Africa: A strategy to revitalize agriculture through the integration of natural resource management coupled to resilient germplasm and marketing approaches	DGIC	991,447.00	Vanlauwe
36	TSA91	ARUSHA WKSOP	CIDA	64,701.00	Bationo
37	TSA93	UNEP - Conservation and Sustainable Management of Below-Ground Biodiversity	UNEP - Kenya	2,678,296.00	Huising
38	TSA94	AATF - Control the Striga weed in Parts of SSA through the use of IR Maize Technology	AATF	20,480.00	Sanginga/ Vanlauwe
39	TSA95	Use of Mycorrhizal Fungi to Improve Banana Tissue Culture and as a Component of ISFM for Banana Production in Kenya and Uganda	RF	13,081.00	Vanlauwe

40	TSA96	IDRC -Strengthening the capacity for research and development to enhance natural resources management and improve rural livelihoods in Sub-Saharan Africa	IDRC	245,945.00	Bationo
41	TSA97	Exploring measures to enhance the adaptive capacity of local communities to pressures of climate change	UoZim	36,209.00	Bationo
42	TSA98	Over coming soil degradation in Africa	IPGRI	30,807.00	Vanlauwe
43	TSA99	Going to scale: Developing strategies for scaling out market-oriented organic from farmer group to associate level	Austria	120,007.00	Delve
NEW PROJECTS AS AT END OF 2007					
44	TSB39	Increased understanding and application of Integrated Soil Fertility Management in Africa: Publication of a Reference Manual	Gates Foundation	181,055.00	SANGINGA
45	TSB47	Promoting Conservation Agriculture to Improve Land Productivity and Profitability among Smallholder Farmers in Western Kenya	KILIMO TRUST	5,554.00	Bationo

46	TSB52	Application of isotopic techniques to enhance water use efficiencies in smallholder irrigation systems under water and nutrient limiting conditions	IAEA	16,000.00	Delve
47	TSB82	Efficient water and nutrient use in cereal grains systems in market based conservation agriculture systems	IITA SSA-CP	500,000.00	Delve
48	TSB90	Enhancing Grain Legumes Productivity, and Production and the incomes of Poor Farmers in Drought-prone Areas of Sub-Saharan Africa and South Asia	ICRISAT- B & M Gates	339,742.00	Chianu
49	TSB92	Improving Farmers Livelihoods through the Adoption of Legume Based Soil Fertility Restoration Technologies in Kenya, Uganda and Tanzania	OPEC	25,000.00	Bationo
TOTAL				7,710,340.00	

9. ANNEX – 5: LIST OF PUBLICATIONS

Refereed journal articles published

- Andren, O., Kihara, J., Bationo, A., Vanlauwe, B. and Katterer, T. (2007) Soil climate and decomposer activity in sub-Saharan Africa, estimates from standard weather station data – used in soil carbon balance calculations. *Ambio* 36, 379-386.
- Bationo, A., Waswa, B.S., Abdou, A., Bado, V., Bonzi, M., Iwuafor, E., Kibunja, C., Kihara, J., Mucheru-Muna, M., Mugendi, D., Mugwe, J., Mwale, C., Okeyo, J., Andrén, O., Röing, K. and Tabo, R. (2007) Lessons learnt from long-term experiments in Africa. *Royal Swedish Academy of Agriculture and Forestry. pp 30-35. Nr 9-146.*
- Chianu, J.N., Tsujii, H. and Manyong, V.M. (2007) Crop-livestock interaction in the savannas of Nigeria: nature and determinants of farmer decision to use manure for soil fertility maintenance. *Journal of Food, Agriculture and Environment JFAE. Vol 5 (2), 295–301*
- Chianu, J. N., Tsujii, H. and Mbanasor, J. (2007) Determinants of the decision to adopt improved maize variety by smallholder farmers in the savannas of northern Nigeria. *Journal of Food, Agriculture and Environment-JFAE. Vol 5 (2), 318–324*
- Delve, R.J., Huising, J.E. and Bagenze, P. (2007) Target area identification using a GIS approach for the introduction of legume cover crops for soil productivity improvement: A case study of eastern Uganda. *African Journal of Agricultural Research* 2, 512-520
- Faye, A., Saidou, S., Chotte, J.L. and Lesueur, D. (2007) Soil bio-functioning under *Acacia nilotica* var. *tomentosa* protected forest along the Senegal River. *Nutrient Cycling in Agroecosystems*, 79 35-44.
- Ihedioha, D., Odoemena, B. Ibana, S. and Chianu, J. (2007) Effects of drying of cowpea grains on consumer acceptability of moin-moin. *Journal of Agriculture and Food Sciences* 4 (2), 125–131.
- Maltas, A., Corbeels, M., Scopel, E., Oliver, R., Douzet, J.M., da Silva, F. A. M. and Wery, J. (2007) Long-term effects of continuous direct seeding mulch-based cropping systems on soil nitrogen supply in the Cerrado region of Brazil. *Plant Soil* 298, 161-173.
- Mairura, F.S., Mugendi, D.N., Mwenje, J.I., Ramisch, J.J., Mbugua, P.K. and Chianu, J.N. (2007) Integrating scientific and farmers' evaluation of soil quality indicators in Central Kenya. *Geoderma* 139: 134–143.
- Mairura, F.S., Mugendi, D.N., Mwenje, J.I., Ramisch, J.J., Mbugua, P.K. and Chianu, J.N. (2007) Scientific evaluation of smallholder land use knowledge in Central Kenya. *Land Degradation & Development* 18: 1–14.
- Mapfumo, P., Mtambanengwe, F. and Vanlauwe, B. (2007) Organic matter quality management effects on soil organic matter fractions in contrasting soils in Zimbabwe. *Plant and Soil* 296, 137-150.
- Mucheru-Muna, M., Mugendi, D., Kung'u, J., Mugwe, J. and Bationo, A. (2007) Effects of organic and mineral fertilizer inputs on maize yield and soil chemical properties in a maize cropping system in Meru South District, Kenya. *Agroforestry Systems* 69, 189–197
- Ohiokpehai, O., Kimiywe, J., Chianu, J., Mbithe, D. and Sanginga, N. (2007). Socioeconomic and Demographic Profiles of household with children Aged 6-59 months Mbita Division, Suba District. *Journal of Food, Agriculture and Environment-v5 (2), 45-49*

- Ohiokpehai, O., Kimiywe, J., Mbithe, D. and Sanginga, N. (2007). Feeding patterns and practices among households with children aged 6-59 months in Mbita Division Suba District Kenya. *Journal of Food, Agriculture and Environment* v5, no. 2, 17-23.
- Pepper, D.A., Eliasson, P.E., McMurtrie, R.E., Corbeels, M., Ågren, G.I., Strömberg, M. and Linder, S. (2007) Simulated mechanisms of soil N feedback on the forest CO₂ response. *Global Change Biology* 13, 1-17.
- Pepper, D.A., Eliasson, P.E., McMurtrie, R.E., Corbeels, M., Ågren, G.I., Strömberg, M. and Linder, S. (2007) Simulated mechanisms of soil N feedback on the forest CO₂ response. *Global Change Biology* 13, 1-17.
- Pypers, P., Huybrighs, M. J., Diels, Abaidoo, R., Smolders, E. and Merckx, R. (2007) Does the enhanced P acquisition by maize following legumes in a rotation result from improved soil P availability?, *Soil Biology and Biochemistry* 39, 2555-2566.
- Rufino, M.C., Tittonell, P., van Wijk, M.T., Castellanos-Navarrete, A., Delve, R.J., de Ridder, N. and Giller, K.E. (2007) Manure as a key resource within smallholder farming system: analyzing farm-scale nutrient cycling efficiencies with the NUANCES framework. *Livestock Science*. 112, 273–287
- Samba-Mbaye, D., Lesueur, D., Ba A.T., Dreyfus, B, de Lajudie, P. and Neyra, M. (2007) Genetic diversity of *Acacia seyal* Del. rhizobial populations indigenous to Senegalese soils in relation to salinity and pH of the sampling sites. *Microbial Ecology*, 54 553-566.
- Samba-Mbaye, R., Neyra, M. and Lesueur, D. (2007) Natural nodulation of *Acacia mangium* - *Acacia auriculiformis* hybrids: Distribution of the indigenous strains in the nodules. *World Journal of Microbiology and Biotechnology*, 23 (10), 1485-1488.
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- Sheila, A., Okoth, H., Roimen, B., Mutsotso, Muya, E., Kahindi, J., Owino, J.O. and Okoth, P. (2007) Land use systems and distribution of trichoderma species in Embu region, Kenya [relación entre uso del suelo y la distribución de trichoderma en la región de embu, kenia] *Tropical and Subtropical Agroecosystems* 7, 105 – 122
- Tittonell, P., Shepherd, K., Vanlauwe, B. and Giller, K.E. (2007) Unravelling the effects of soil and crop management on maize productivity in small holder agricultural systems of western Kenya – an application of classification and regression tree analysis. *Agriculture, Ecosystems, and Environment* 123, 137-150.
- Tittonell, P., Vanlauwe, B., de Ridder, N. and Giller, K.E. (2007) Heterogeneity of crop productivity and resource use efficiency within smallholder African farms: soil fertility gradients or management intensity gradients? *Agricultural Systems* 94, 376-390.
- Tittonell, P., Zingore, S., van Wijk, M.T., Corbeels, M. and Giller, K.E. (2007) Nutrient use efficiencies and crop responses to N, P and manure applications in Zimbabwean soils: Exploring management strategies across soil fertility gradients. *Field Crops Research* 100, 348-368.
- Tittonell, P., Zingore, S., van Wijk, M.T., Corbeels, M. and Giller, K.E. (2007) Nutrient use efficiencies and crop responses to N, P and manure applications in Zimbabwean soils: Exploring management strategies across soil fertility gradients. *Field Crops Research* 100, 348-368.

- Zingore, S., Murwira, H.K., Delve, R.J. and Giller, K.E. (2007) Soil type, management history and current resource allocation: Three dimensions regulating variability in crop productivity on African smallholder farms. *Field Crops Research*, 101, 296-305
- Zingore S., Murwira, H.K., Delve, R.J. and Giller, K.E. (2007) Influence of nutrient management strategies on variability of soil fertility, crop yields and nutrient balances on smallholder farms in Zimbabwe. *Agriculture Ecosystems and Environment*, 119: 112-126.

Refereed journal articles in press

- Bationo, A., Kihara, J., Vanlauwe, B., Kimetu, J., Waswa, B.S. and Sahrawat, K.L. Integrated Nutrient Management – concepts and experience from sub-Saharan Africa. In: Aukland MS and Grant CA. *The Hartworth Press Inc. NY (In press)*
- Chikowo, R., Corbeels, M., Tittone, P., Vanlauwe, B., Whitbread, A., and Giller, K.E. (2007) Using the crop simulation model APSIM to generate functional relationships for analysis of resource use in African smallholder systems: aggregating field-scale knowledge for farm-scale models. *Agricultural Systems. (In press)*
- Khoi, C.M., Guong, V.T., Drouillon, M. Pypers, P. and Merckx, R. (2007) Chemical estimation of phosphorus released from hypersaline pond sediments used for brine shrimp *Artemia franciscana* production in the Mekong Delta., accepted for publication in *Aquaculture. (In press) (available on-line)*.
- Mwashasha, R.M., Kahangi, E.M., Rutto, L.K., Odee, D., Vanlauwe, B., Losenge, T., Elsen, A. and Jefwa, J.M. Evaluation of nine tissue cultured banana cultivars for arbuscular mycorrhizae dependency. *(In press)*
- Tabo, R., Bationo, A., Kandji, S., Waswa, B.S. and Kihara, J. Global Change and Food Systems. *START Global Change Research Book. IPCC 35 pp. (In press)*
- Tittone, P., Corbeels, M., van Wijk, M.T., Vanlauwe, B. and Giller K.E. (2007) Targeting nutrient resources for integrated soil fertility management in smallholder farming systems of Kenya. *Agronomy Journal (In press)*

Refereed journal articles submitted

- Jefwa, J.M., Mungatu, J., Okoth, P., Murethe, M., Kimani, S., Muya, E., Roimen, H. and Kahindi, J. Is the method of characterization important for determining the true occurrence of Arbuscular Mycorrhizal Fungi (AMF) in diverse land use types? The case of Taita-Taveta in Kenya. *(Submitted)*
- Jefwa, J.M., Mungatu, J., Okoth, P., Muya, E., Roimen, H. P., Wachira, N. and Karanja, N.S. Do land use differences affect the occurrence of Arbuscular Mycorrhizal Fungi (AMF) in the high altitude regions of Mt. Kenya? *(Submitted)*
- Jefwa, J.M., Sinclair, R. and Maghembe, J. The Influence of farming systems and on the diversity and frequency occurrence of Arbuscular Mycorrhizal Fungi (AMF). *(Submitted)*
- Jefwa, J. M., Sinclair, R. J., Van Greuning, V. and Maghembe, J. Effects of inoculation with mycorrhizal fungi from similar habitat on the growth of three agroforestry trees and a crop. *(Submitted)*
- Röing de Nowina, K., André, O. and Abaidoo, R. (2007) Improved fallows in West African cropping systems – fertiliser yield increase in dry season legume- maize rotations. *(Submitted)*

Tittonell, P., Vanlauwe, B., Corbeels, M. and Giller, K.E. (2007) Farm heterogeneity, nutrient use efficiencies and crop responses to mineral fertilisers: narrowing the gap between attainable and current maize yields on smallholder farms in western Kenya. *Plant and Soil (submitted)*.

Books:

Bationo A, Waswa BS, Kihara, J and Kimetu J (eds). (2007) *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities*. Springer NL. pp 1094

Moreira, F.M., Huising, E.J. and Bignell, D.E. (eds). *A Handbook of Tropical Soil Biology: Sampling and Characterization of Below-ground Biodiversity*, EARTHSCAN, London. The contract with the publisher has been signed in December 2007, for the book to appear mid 2008)

Book Chapters:

Abaidoo R.C., Okogun, J.A. Kolawole, G.O. Diels, J. Randall P. and Sanginga, N. (2007) Evaluation of cowpea genotypes for variations in their contribution of N and P to subsequent maize crop in three agro-ecological zones of West Africa In: Bationo, A., Waswa, B.S., Kihara, J. and Kimetu, J. (eds). *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities*. *Springer NL. pp 401-412*

Adamou, A., Bationo, A., Tabo, R. and Koala, S. (2007) Improving soil fertility through the use of organic and inorganic plant nutrient and crop rotation in Niger. In: Bationo, A., Waswa, B.S., Kihara, J. and Kimetu, J. (eds). *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities*. *Springer NL. pp 589-598*

Baaru, M.W., Mugendi, D.N., Bationo, A., Louis, V. & Waceke, W. (2007) Soil Microbial Biomass Carbon and Nitrogen as Influenced by Organic and Inorganic Fertilisation in Kenya. In: Bationo, A., Waswa, B.S., Kihara, J. and Kimetu, J. (eds). *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities*. *Springer NL. pp 827-833*

Badiori O, Ouattara, K. Serpantié, G. Mando A. Sédogo, M. P. and Bationo. A. (2007) Intensity cultivation induced effects on soil organic carbon dynamic in the western cotton area of Burkina Faso In: Bationo, A., Waswa, B.S., Kihara, J. and Kimetu, J. (eds). *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities*. *Springer NL. pp 749-758*

Bado, B., Bationo, A., Lompo, F., Cescas, M. P. and Sedogo, M. P. (2007) Mineral fertilizers, organic amendments and crop rotation managements for soil fertility maintenance in the Guinean zone of Burkina Faso (West Africa). In: Bationo, A., Waswa, B.S., Kihara, J. and Kimetu, J. (eds). *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities*. *Springer NL. pp 171-179*

Fatondji D., Martius, C., Biolders, C.L., Vlek, P.L.G., Bationo, A. and Gerard, B. (2007) Effect of planting technique and amendment type on pearl millet yield, nutrient uptake, and water use on degraded land in Niger In: Bationo, A., Waswa, B.S., Kihara, J. and Kimetu, J. (eds). *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities*. *Springer NL. pp 179-194*

- Huising, E.J. Coe, R., Van Noordwijk, M., Huang†, S.P., Cares, J., Louzada, J., Zanetti, R., Moreira, F., Susilo, F. and Konate, S. (expected 2008). Sampling strategy and design to evaluate below-ground biodiversity. In: Moreira, F.M., Huising, E.J., and Bignell, D.E., (eds), *A Handbook of Tropical Soil Biology: Sampling and Characterization of Below-ground Biodiversity, EARTHSCAN, London*
- Jeroen H. E. (expected 2008) Description and classification of land use at sampling locations for the inventory of below-ground biodiversity. In: Moreira, F.M., Huising, E.J. and Bignell, D.E. (eds), *A Handbook of Tropical Soil Biology: Sampling and Characterization of Below-ground Biodiversity, EARTHSCAN, London*
- Karunditu, M.W., Mugendi, D.N., Kung'u, J. and Vanlauwe, B. (2007) Fertilizer nitrogen recovery as affected by soil organic matter status in two sites in Kenya. In: *Advances in integrated soil fertility management in sub Saharan Africa: challenges and opportunities*, (eds) Bationo, A., Waswa, B., Kihara J. and Kimetu, J. *Springer NL. pp pp 537-545.*
- Kathuku, A.N., Kimani, S.K., Okalebo, J.R., Othieno, C.O. and Vanlauwe, B. (2007) Integrated Soil Fertility Management: Use of NUTMON to Quantify Nutrient Flows in Farming Systems in Central Kenya. In: *Advances in integrated soil fertility management in sub Saharan Africa: challenges and opportunities*, (eds) Bationo, A., Waswa, B., Kihara, J. and Kimetu, J. *Springer NL. pp 283-288.*
- Kaya, B., Niang, A., Tabo, R. and Bationo, A. (2007) Performance evaluation of various agroforestry species used in short duration improved fallows to enhance soil fertility and sorghum yields in Mali. In: Bationo, A., Waswa, B.S., Kihara, J. and Kimetu J. (eds) 2006. *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities. Springer NL. pp 547-556*
- Kihara, J., Kimetu, J.M., Vanlauwe, B., Bationo, A., Waswa, B. and Mukalama, J. (2007) Optimising crop productivity in Legume-Cereal Rotations Through Nitrogen And Phosphorus Management In Western Kenya. In: *Advances in integrated soil fertility management in sub Saharan Africa: challenges and opportunities*, (eds) Bationo, A., Waswa, B., Kihara, J. and Kimetu, J. *Springer NL. pp 493-501.*
- Kimani, S.K., Esilaba, A.O., Odera, M.M., Kimenye, L., Vanlauwe, B. and Bationo, A. (2007) Effects of organic and mineral sources of nutrients on maize yields in three districts of central Kenya. In: *Advances in integrated soil fertility management in sub Saharan Africa: challenges and opportunities*, (eds) Bationo, A., Waswa, B., Kihara, J. and Kimetu, J. *Springer NL. pp 353-358.*
- Kimani, S. K., Macharia, J. M., Nyikal, R., Bationo, A. and Ramish, J. (2007) Evaluation of organic and mineral sources of nutrients in central Kenya. In: *Mineral Versus Organic Fertilization conflict or Synergism? Proceedings 16th International Symposium of the International Scientific Centre of Fertilizers (CIEC), 16-19 September 2007, Ghent, Belgium.* De Neve, S., Salomez, J., Van Den Bosshe, A., Haneklaus, S., Van Cleemput, O., Hofman, G. and Schnug, E. (eds.) *pp 276-280*
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- Kimiti, J.M., Esilaba, A.O., Vanlauwe, B. and Bationo, A. (2007) Participatory Diagnosis in the Eastern Drylands of Kenya: Are Farmers aware of Their Soil Fertility Status? In: *Advances in integrated soil fertility management in sub Saharan Africa: challenges and opportunities*, (eds) Bationo, A., Waswa, B., Kihara, J. and Kimetu, J. *Springer NL. pp 957-964.*
- Kolawole, G.O., Diels, J., Manyong, V.M., Ugbabe, O., Wallays, K., Dercon, G., Iwuafor, E.N.O., Falaki, A.M., Merckx, R., Deckers, J., Tollens, E., Vanlauwe, B. and Sanginga, N. (2007) Balanced Nutrient Management System Technologies In The Northern Guinea Savanna Of Nigeria: Validation And Perspectives. In: *Advances in integrated soil fertility management in sub Saharan Africa: challenges and opportunities*, (eds) Bationo, A., Waswa, B., Kihara, J. and Kimetu, J. *Springer NL. pp 669-678*
- Lule, A., Mangheni, M., Sanginga, P.C., Delve, R.J., Matsiko, F. and Miiro, R. (2007) Social capital and adoption of soil fertility management techniques in Tororo District, Uganda. In Bationo, A., Waswa, B., Kihara, J. and Kimetu, J. (eds) *Advances in integrated soil fertility management in sub Saharan Africa: challenges and opportunities. Springer NL. pp 947-954*
- Mafongoya, P.L., Bationo, A., Kihara, J. and Waswa, B.S. (2007) appropriate technologies to replenish soil fertility in southern Africa In: Bationo A., Waswa B.S., Kihara, J. and Kimetu, J. (eds). *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities. Springer NL. pp. 29-44*
- Maithya J.M., Kimenye, L.N. Mugivane, F.I. and Ramisch, J.J. (2007) Profitability of agro-forestry based soil fertility management technologies: the case of small holder food production in Western Kenya In: Bationo, A., Waswa, B.S., Kihara, J. and Kimetu, J. (eds). *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities. Springer NL. pp 767-780*
- Mairura, F.S., Mugendi, D.N., Mwanje, J.I., Ramisch, J.J. and Mbugua, P.K. (2007) Assessment of farmers' perceptions of soil quality indicators within smallholder farms in the central highlands of Kenya In: Bationo, A., Waswa, B.S., Kihara, J. and Kimetu, J. (eds). *Advances in integrated soil fertility management in sub-Saharan Africa: Challenges and Opportunities. Springer NL. pp. 1035-1046*
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Other Publications:

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- Bationo, A., Okeyo, J. M., Waswa, B. S., Mapfumo, P., Maina, F. and Kihara, J. (2007) Innovations as Key to the Green Revolution in Africa: Exploring the Scientific Facts. Symposium Abstracts for the Arusha Symposium 17-21 September 2007. Ecomedia: Nairobi, Kenya
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- CIALCA: Consortium for Improved Agricultural Livelihoods in Central Africa, poster presented at various local planning and partner meetings in DRC and Rwanda.
- Chikowo, R., Corbeels, M., Tiftonell, P., Vanlauwe, B., Whitbread, A. and Giller, K.E. (2007) Using The Mechanistic Crop Model APSIM To Generate Functional Relationship For An Integrated Summary Model Of Smallholder African Cropping Systems: Aggregating Field-Scale Knowledge For Farm-Scale Models. Summary of presentation in: Innovations as key to the Green Revolution in Africa: exploring the scientific facts. (eds) Bationo, A., Okeyo, J.M., Waswa, B.S., Mapfumo, P., Maina, F. and Kihara, J. *p.137*.
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- Abaidoo, R.C., Singh, B.B., Nwoke, C., Pypers, P., Diels, J. and Kolawole, G.O. (2007) Evaluation of shoot and root traits for identifying P-use efficient cowpea genotypes, poster and paper presented at the AfNet Conference in Arusha Enhancing the productivity through the integration of grain legumes in maize cropping systems in Central Kenya (Mucheru-Muna, M., Mugendi, D., Vanlauwe, B., Merckx, R., Mugwe, J., Pypers P. and Kung'u, J.), seminar and paper presented at the AfNet conference in Arusha (September 2007).
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- Chianu, J., Vanlauwe, B. and Ohiokpehai, O. (2007) Soybean Research-for-development in East Africa (emphasis Kenya. EPMR power-point presentation, KEFRI Center, Maseno, 25th June 2007.

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- Odee, D., Lesueur, D., Poshiwa, X., Walters, D. and Wilson, J. (2007) Management of symbionts to improve growth, productivity and biological nitrogen fixation in Calliandra calothyrsus based agroforestry systems. 15th International Conference on the Nitrogen Fixation. 21-26 January 2007, Cape Town, South Africa (Oral presentation).
- Ohiokpehai, O. (2007) Agriculture and Health Linkages: Strategies and Challenges. Power-point presentation to the Jomo Kenyatta University students (graduates and undergraduates). Nov 2007
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- Ohiokpehai, O. (2007) Soybean processing and utilization: an initiative to improve its production in rural households living with HIV. Presented at the ICFMH Food Safety Workshop, University of Stellenbosch, Stellenbosch, RSA, 25th Nov - 01 Dec. 2007
- Ohiokpehai O. (2007) Sustainable School Feeding Program: A way Forward For sub-Saharan Africa. Presented at the BMGF Roundtable Discussion on School Feeding Programs. Organised by Rockefeller Foundation, Nairobi, Kenya, 16th February 2007 (CIAT-TSBF received a letter of appreciation for a work well done).
- Ohiokpehai, O. (2007) The Effect of Climate Change on Food processing and Packaging in Smallholder Household An abstract to the Links between Environmental Stress and Food Security in Africa session at IGBP Congress, Cape Town, May 2008

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- Ohiokpehai, O., Hongo, T., Kamau, J., Were, G., Kimiywe, J., King'olla, B., Mbithe, D., Oteba, L., Mbagaya, G. and Owuor, O. (2007). Enhancement of Agricultural Production through Nutrition and Health Intervention Demonstrations: Case Study of Suba. Paper presented at the International symposium on 'Innovation as key to the Green revolution in Africa: exploring the Scientific Facts' organized by The African Network for Soil Biology and fertility (AfNet) of CIAT-TSBF in collaboration with the Soil Fertility Consortium for Southern Africa (SOFECSA), Ngordoto Mountain Lodge, Arusha, Tanzania, 17-21 September 2007.
- Ohiokpehai, O., Were, G., Owour, O., Mbagaya, G., Kamau, J., Kimiywe, J., Mbithe, D. and King'olla, B. (2007) School Feeding: A Way To Mitigating The Impact Of Malnutrition Among Rural Communities In Suba District, Kenya. Key note address paper presented at the International Conference on From Research to Action: Mitigating HIV/AIDS Impacts on Agriculture and Food Security in West Africa to be held in Cotonou, Benin from 1- 4 October 2007.
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- Pali, P.N, Freyer, B., Kaaria, S. and Delve, R.J. Human capacity development for income generation and sustainable organic market linkages in Uganda. 3rd QLIF Congress "Improving Sustainability in Organic and Low Input Food Production Systems"
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