

LIST OF RESEARCH and INTERVENTION PROJECTS UNDER EPINAV

SN	Project title	Research Team	Project Areas	Main Goal
Theme I: Innovation Systems Research				
Subtheme 1.1: Action Research/Scaling up				
1	Application of Value Chain and Innovation Systems Approaches for Up-scaling and Out-scaling Technologies for Enhancing Integrated Dairy Production System in Njombe District	Prof. RH Mdegela (SUA) Dr. D. Mhando (SUA) Prof. E. Mtengeti (SUA) Prof. N. Urio (SUA) Dr. R. Ryoba (SUA) Prof. E. Phiri (SUA) Dr. R.P. Mbwile (ARI-Uyole) Prof. B.R. Singh (UMB) Prof. M. Stokstad (NVH)	Njombe District	Enhance integrated dairy productivity through value chain and innovation systems approaches in enhancing adoption of technologies and best practices to improve livelihood and food security; and to increase the capacity of farmers to fully utilize resources and opportunities in agriculture.
2	Up-scaling of pro-poor innovative dairy goat technologies for improved livelihood security and human capacity in selected highland areas	Prof. G.C. Kifaro (SUA) Prof. L.A. Mtenga (SUA) Prof. A. Kassuku (SUA) Prof. L.O. Eik (UMB) Dr. D.E. Mushi (SUA) Dr. R. Max (SUA) Prof. E. Ndemanisho (SUA) Mr. Z. Nziku (West Kilimanjaro Res. Centre)	Mgeta in Mvomero district and Kibungo juu in Morogoro rural district	Enhance livelihood security and human capacity to target communities through up-scaling of pro-poor innovative dairy goat technologies.
3	Enhancing sunflower production for poverty alleviation in Mvomero and Kilosa districts, Morogoro region.	Prof. AZ Mattee (SUA) Dr. R. Kaarhus (UMB) Ms. C. Rutaiwa (ARI-Ilonga) Mr. K.K. Mwajombe (SUA) Mr. T. Malisa (SUA)	Mvomero and Kilosa Districts in Morogoro Region	Develop a value chain for increasing the productivity and incomes of sunflower farmers in Mvomero and Kilosa districts and hence contributing to poverty reduction among small scale farmers.
4	Increased Market Access of Beef and Milk From Pastoral System Through Innovative Value Chain Approaches in Breeding, Feeding and Health	Dr. ED Karimuribo (SUA) Prof. E.K. Batamuzi (SUA) Prof. E.N. Kimbita (SUA) Dr. A.D.B. Mwakalobo (SUA) Prof. R.M. Wambura (SUA)	Kilosa District	Promote interventions for enhancing cattle productivity in pastoral communities

		Dr. D. Sendalo (NLRI-Mpwapwa) Prof. Karl Rich (NVH) Prof. F.O.K. Mgongo (SUA) Mr. M.K. Matiko (SUA) Prof. R.S. Silayo (SUA) Prof. D.G. Mpanduji (SUA)		
5	Optimizing production and utilization of lesser known and lesser utilized indigenous agro-forestry timber species	Prof. F.B.S. Makonda (SUA) Prof. P.R. Gillah (SUA) Dr. S. Augustino (SUA) Mr. D.H. Kitojo (SUA) Dr. S.H. Eriksen (UMB) Dr. H.P. Msanga (Tanzania Tree Seed Agency) Mr. C.K. Ruffo (Tanzania Tree Seed Agency)	Kilosa/Kilolo district	Establish how best lesser known and lesser utilized IAGTS can be optimally produced and sustainably utilized in improving income of rural communities while mitigating the effects of climate change
Subtheme 1.2: Applied Research				
6	Increasing market share of locally produced beef through improved cattle husbandry, slaughter operations and meat handling	Prof. E.N. Kimbita (SUA) Dr. R.A. Max (SUA) Dr. D.E. Mushi (SUA) Dr. G.C. Kifaro (SUA) Prof. L.O. Eik (UMB) Dr. O. Sorheim (NOFIMA) Prof. Magne Mo Dr. D.M. Komwihangilo (Mpwapwa) Prof. L.A. Mtenga (SUA)	Hanang (Manyara) and Arusha (Arusha) districts	Increase contribution of beef industry to the household income through increased competitiveness of locally produced beef in the market
7	Improving the productivity of Nile Tilapia (<i>Oreochromis niloticus</i>) through selective breeding and mass production of fingerlings	Prof. S.W. Chenyambuga (SUA) Dr. H.A. Lamtane (SUA) Dr. N.A. Madalla (SUA) Dr. W. Kitojo (Centre for Foreign Relations (DSM) Mr. Y. Malya (King. Fish F.C.) Prof. I. Mayer (NVH) Prof. T. Gjedrem (NOFIMA) Dr. K. Kolstad (NOFIMA) Dr. I. Olesen (NOFIMA)	On-station : SUA and Kingolwirwa Fish Farming Centre On-farm, Mvomero and Mbrali districts	Improve productivity of tilapia in ponds of small scale farmers through selective breeding, culture of all-male population and mass production of fingerlings
8	Enhancing the revival of homegardens for improved utility and productivity through the	Prof. P.K.T. Munishi (SUA) Prof. R.P.C. Temu (SUA)	Selected districts in the highland areas	Revive, enhance and improve the productivity and wide adoption of appropriate agroforestry technologies in

	use of proven agroforestry technologies in the Northern Highlands of Tanzania	Prof. L.L.L Lulandala (SUA) Mr. D.D Shirima (SUA) Mr. E Japhet (TAFORI) Prof. S. Moe (UMB) Mr. C.J. Lyamchai (ARI-Selian) Ms H.H Kilungu (OUT)	of Kilimanjaro region	homegardens for increased food security, improved livelihoods and conservation of the natural resource base in the northern highland of Tanzania
Subtheme 1.3: Basic Research				
9	Genetic Characterisation of Tanzania Zebu Cattle for Resistance to Ticks and East Coast Fever	Prof. L J Kusiluka et al.	SUA, Mabuki Livestock Research Centre and Tarime District	The main objective of this project is to identify genes or genetic markers associated with resistance of cattle to tick infestation and East Coast fever and design means of using them in selection and crossbreeding programmes.
10	Enhancing adoption of Conservation Agriculture (CA) in selected villages in Njombe District	Prof. N.A. Urio et al.	Njombe	The main objective of the proposed project is to introduce proven Conservation Agriculture (CA) technologies into the farming systems of selected villages in Njombe District through an integrated farming system approach in order to increase agricultural production and improve livelihoods of farmers.
Theme II: Climate Change and Adaptation				
11	Establishing livestock based coping strategies for improved resilience of pastoral and agro-pastoral communities to impact of climate change in Northern Tanzania	Dr. S.H. Mbaga (SUA) Prof. L.S.B. Mellau (SUA) Dr. J. Lyimo-Macha (SUA) Dr. D. Mushi (SUA) Dr. E. Msuya (SUA) Mr. Z.C. Nziku (West Kilimanjaro) Dr. O. Sørheim ((NOFIMA) Mr. M. Ngeti (SUA)	Monduli and Longido Districts	Enhance resilience of pastoral and agro-pastoral communities in Monduli and Longido ecosystem to impact of climate change
12	A gendered analysis of climate change impacts and adaptation in semi-arid area farming systems and natural resources management	Dr. J.K. Urassa (SUA) Dr. C.I. Nombo (SUA) Dr. J.S. Mbwambo (SUA) Prof. A.Z. Mattee (SUA) Dr. D. Mamiro (SUA) Ms M.L. Matata (ARI-Tumbi) Dr. G. Synnevåg (UMB) Mr. S.J. Mabote (SUA)	Meatu and Iramba districts	Evaluate gendered impacts and adaptation of climate change and other stresses on rural livelihoods in semi-arid areas

13	Integrated livelihood and natural resource management to adapt dryland communities to climate change	Prof. E.J. Mtengeti (SUA) Dr.C.P. Mahonge (SUA) Dr.G.D. Mhando (SUA) Mr. J.V. Nsenga (SUA) Mr. N. Maseki (SUA) Ms J. Challe (ARI-Mikocheni) Prof. F. Sundstol (UMB) Ms D.B. Kilave (SUA)	Mwanga district in Kilimanjaro region	Reduce vulnerability of dryland communities to climate change through integrated participatory natural resources management approach
Theme III: Policy Research, Analysis and Good Governance				
Theme IV: Innovative Communication Methods				
14	Supply chain analysis of agricultural inputs under the national agricultural voucher scheme in Tanzania	Dr. D.M. Gabagambi (SUA) Dr. C.Z. Mkangwa (ARI-Ilonga) Ms D.B. Moshia (SUA) Mr. L. Kadeng'uka (ARI-Ilonga) Mr. P.M. Lameck (INADES)	Mbeya Rukwa Morogoro Shinyanga regions	Analyze the supply chain for agricultural inputs under the national agricultural voucher scheme (NAVS) with a view of identifying and examining constraints, challenges and feasible corrective measures in its institutional framework
15	Institutional evolutions at macro and micro-levels in the management of water catchments and their influences on local community livelihoods under a climate change scenario in Tanzania	Prof. G.C. Kajembe (SUA) Dr. J.Z. Katani (SUA) Prof. P.O. Vedeld (UMB) Dr. T.S. Msuya (TAFORI) Dr. G.E. Mbeyale (SUA) Mr. L. Mbwambo (TAFORI) Ms P.J. Kagosi (TAFORI) Dr. J.J. Kashaigili (SUA) Ms S.S. Hiza (ARU)	Morogoro and Iringa Regions	Assess technical innovations and institutional evolutions at macro and micro-levels in the management of water catchments and their influences on local community livelihoods under a climate change scenario.
Theme IV: Innovative Communication Methods				
16	The role of mobile phones towards improving coverage of agricultural extension services: a case study of maize value chain	Prof. M.R.S. Mlozi (SUA) Dr. C. Sanga (SUA) Prof. Tumbo (SUA) Prof. R. Haug (UMB) Dr. MCR Shetto (MAFC) Mr. N. Katule (SUA) Mr. C.J. Kajiru (MAFC) Mr. J. Sekiku (FADECO-Karagwe) Mr. G.H. Mwamkinga (MATI-Uyole)	Kilosa District	Improve the innovative communication and knowledge dissemination to actors in banana and maize value chains

17	Innovative communication pathways in dissemination of agricultural technologies and improving market information in Tanzania: A case of tomato value chains	Prof. Z.S.K. Mvena (SUA) Dr. C.P. Msuya-Bengesii (SUA) Ms S.M. Gjotterud (UMB) Prof. M.R.S. Mlozi (SUA) Mr. I.M. Busindi (SUA) Mr. S.Y. Nyamba (SUA) Dr. F.T. Kilima (SUA)	Kilolo and Dodoma rural districts	Improve communication pathways in dissemination of agricultural technologies and market information in tomato value chains
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STRATEGIC INTERVENTION RESEARCH PROJECTS

Title	Research Team	Project Areas
Promoting fish-chicken and vegetable integration technology	Dr. Lamtane, H.A (SUA) Dr. Madalla, N.A (SUA) Prof. Katule, A (SUA) Dr. Mnembuka, B.V (SUA) Dr. Mwandya, A.W (SUA) Prof. Chenyambuga, S.W (SUA)	Mbarali and SUA
Enhancing Institution collaboration for developing learning strategies and up scaling agricultural best practices: using Agricultural experiences as a pedagogical resource in Tanzania primary schools	Dr. Msuya PC (SUA) Dr. Busindi IM (SUA) Prof. E. Krogh (UMB) Prof. S. Gjotterud (UMB) Mr. Ahmad AK (SUA) Kalungwizi V (SUA) Machinda F (MoEVT) Prof. Kifaro GC (SUA) Prof. Mtenga LA (SUA) Prof. Kassuku A (SUA) Prof. L.O. Eik (UMB) Dr. Mushi DE (SUA) Dr. Max R (SUA) Prof. Ndemanisho E (SUA) Mr. Nziku Z (West Kilimanjaro Research Centre)	Mvomero, Njombe, SUA