UNIVERSITY OF DAR ES SALAAM
THE UDSM-Sida COOPERATION PROGRAMME

MINUTES OF THE UDSM-Sida ANNUAL REVIEW MEETING FOR 2015 to 2016 HELD ON 08th NOVEMBER 2016.

Present

A. Sida DELEGATION

1. Dr. Inger Lundgren - Research and Innovation, Embassy of Sweden
2. Prof. E. van Groningen - Programme Director at ISP, Sweden
4. Mr. Dan Nerein - COSTECH Innovative Cluster

B. UDSM DELEGATION

1. Prof. C. Z. M. Kimambo - Deputy Vice Chancellor - Research and Chairman
2. Prof. S. Manya - Director of Research and Publication and Coordinator of the UDSM-Sida Programme
3. Dr. C. Wamala Larson - PI, Research Management, Sweden
4. Mr. A. Katunzi - Co-PI, Research Management
5. Dr. B. S. Ndazi - Ag. Principal, College of Engineering and Technology and Coordinator, CoET- Sida Sub-Programmes
6. Dr. E. Mujuni - Ag. Principal, College of Natural and Applied Science and Coordinator of Mathematics and Molecular Bioscience Sub-Programmes
7. Dr. E. Ishengoma - Rep. Dean, University of Dar es Salaam Business School and Coordinator of ENGAGE and Tourism Sub-Programmes
8. Dr. A. Kabudi - Director and PI, Support to the University Library
10. Prof. W. Anderson - PI, Tourism Sub-Programme
11. Prof. N. Mvungi - PI, IGRID Sub-Programme
12. Dr. D. Koloseni - PI, Capacity Building of Mathematics in Higher Education
13. Dr. S. Rugei hyamu - PI, Capacity Building of Mathematics in Higher Education Sub-Programme
15. Dr. B. Turesson - PI, Capacity Building of Mathematics in Higher Education, Sweden
16. Dr. O. Kibazohi - Co - PI, Food Security Sub-Programme
17. Prof. A. Mwakaje - PI, Food Security Sub-Programme
18. Dr. Gert Nyberg - PI, Food Security Sub-Programme, Sweden
19. Dr. E. Wredle - Supervisor, Food Security Sub-Programme, Sweden
20. Dr. C. Kronqvist - Supervisor, Food Security Sub-Programme, Sweden
21. Prof. A. Mshandete - PI, Molecular Biosciences Sub-Programme
22. Prof. L. Rutashobya - PI, ENGAGE Sub-Programme, Tanzania  
23. Dr. T. Elly - Co-PI, ENGAGE Sub-Programme, Tanzania  
24. Dr. L. Chiwona-Karitun - PI, ENGAGE Sub-Programme, Sweden  
25. Dr. O. Otto - PI, ENGAGE Sub-Programme, Sweden  
26. Prof. F. Mtalo - PI, DAFWAT Sub-Programme  
27. Prof. P. Bhattacharya - PI, DAFWAT Sub-Programme Sweden  
28. Dr. R. Kimwaga - PI, SUSTAIN Sub-Programme, Sweden  
29. Dr. Y. W. Shagude - Director IMS and Coordinator, Marine Science Sub-Programme  
30. Dr. M. S. P. Mtolera - PI, Marine Science Sub-Programme  
31. Prof. C. Lugomela - Co-PI, Marine Science Sub-Programme  
32. Prof. M. Björk - PI, Marine Science Sub-Programme, Sweden  
33. Dr. E. Ishengoma - Rep. Dean University of Dar es Salaam Business School  
34. Mr. A. Selemani - Master Student, Water Resource Management  
36. Mr. F. Mmanda - PhD Student, Marine Science Sub-Programme  
37. Ms. M. A. Rashidi - PhD Student, Marine Science Sub-Programme  
38. Ms. A. Michael - PhD Student, Marine Science Sub-Programme

In attendance

18. Mr. D. M. Ngari - Bursar  
19. Ms. N. Jonathan - Principal Administrative Officer, Directorate of Research and Publication  
20. Mr. A. Bitebo - System Administrator, DVC-Research Office  
21. Mr. J. Silayo - Accountant of the Programme  
22. Mr. F. Kasayo - Accountant, Office of the DVC-Research

1.0 OPENING OF MEETING

1.1 The Chairman CALLED the meeting to order at 09.20 a.m. and prior to the start of business, the quorum was CONFIRMED, apologies were NOTED and the Agenda was ADOPTED as presented by the Secretariat.

2.0 REMARKS FROM DVC-RESEARCH

2.1 WELCOMED the Representative from the Embassy of Sweden, Dr. Inger Lundgren and the Representatives from ISP, Dr. Ernst Van Groningen and our counterparts in Sweden to Tanzania to the University of Dar es Salaam and to the Annual Review Meeting.

3.0 REMARKS BY THE REPRESENTATIVE FROM THE EMBASSY OF SWEDEN

3.1 INFORMED that it was agreed in the Coordinators’ meeting that the Annual Review Meetings will focus only on results and that all the PhD students who are in Tanzania will have to present their research questions for now but as we move on, they will have to present their progress in research.
4.2 **INFORMED** further that PIs will be given 5 minutes each to present their results, impact/policy contribution while students will have more time to do the presentation.

4.3 **REMINDED** the PIs to document every output produced from their projects and to include them in their reports in order to facilitate publication by the embassy and UDSM of the results on websites, social media and forwarding to other entities that can have an interest in the UDSM research output. Research communication is key for UDSM to become visible and attract attention of others.

4.0 **REMARKS BY THE REPRESENTATIVE FROM ISP**

4.1 **INFORMED** that all the contracts for Swedish partners have been signed and the current activity is the collection of the financial reports from the Swedish collaborating institutions.

4.2 **INFORMED** further that the office has continued to provide allowances to students as per agreement.

5.0 **CONFIRMATION OF MINUTES OF THE PREVIOUS MEETING**

5.1 **RECEIVED** and **CONFIRMED** the minutes from the previous meeting as a true record of the proceedings.

6.0 **MATTERS ARISING FROM MINUTES OF THE PREVIOUS MEETING**

6.1 **REPORTED** that the PI for Innovation and Sustainability in Tourism Sub-programme incorporated the comments and submitted to the Directorate of Research and Publication for compilation a revised plan with a detailed budget as well as the new RBM logframe attached.

6.2 **REPORTED** that the PI for ENGAGE Sub-Programme re-developed the plan and submitted to the Directorate of Research and Publication a revised plan including a detailed budget that is linked with the activities.

6.3 **REPORTED** that the PI of the PI Food Security Sub-Programme to has prepared the procurement plan and provided the justification for the budget and submitted to the Directorate of Research and Publication for compilation.

6.4 **REPORTED** that the PI of the Research Management Sub-Programme provided the detailed budget that is linked to the activities/objectives and the report was compiled with other sub-programmes and submitted for approval.

6.5 **REPORTED** that the PI for iGRID Sub-programme incorporated the comments and submitted to the Directorate of Research and Publication by including the plan in the RBM framework, revising the budget as per approved budget in the agreement, as well as documenting all the information regarding the project. Also required to for compilation.
6.6 **REPORTED** that the PI for DAFWAT Sub-Programme incorporated the comments and submitted to the Directorate of Research and Publication by adding a procurement plan, removing the results section in the RBM logframe and indicating the balance brought forward.

6.7 **REPORTED** that the PI for Water Resources Management Sub-Programme included the procurement plan in UDSM format and submitted to the Directorate of Research and Publication for compilation.

7.0 **TO RECEIVE INSTITUTIONAL PROGRESS REPORT OF UDSM-Sida COOPERATION PROGRAMME FOR THE PERIOD JULY 2015 TO JUNE 2016**

7.1 **RECEIVED and DISCUSSED** the institutional progress report for the period of July 2015 to June 2016.

7.2 **COMMENDED** the Coordinator for the report submitted and the progress made in terms of the implementation of the programme, which includes the recruitment of 43 PhD students out of the 64 planned.

7.3 **REQUESTED** to know if the 2nd Research Week with its closure by the Ambassador of Sweden to Tanzania was reported.

7.4 **INFORMED** that the Report on Research Week is detailed under Research Management sub-programme.

7.5 **INFORMED** that Sida will celebrate its 40 years of collaboration with Tanzania and that the Embassy is preparing a big event in which UDSM will also participate.

7.6 **REMINDED** the PIs to put more emphasis on the recruitment of Masters and Post doc students’ in the second year of the programme.

7.7 **REQUESTED** to know if there has been any progress on the approval of curriculum development from June to November 2016.

7.8 **INFORMED** that the curriculum for DAFWAT Sub-programme was presented at the Senate while those of the Tourism and ENGAGE Sub-programmes were presented at school level.

8.0 **TO RECEIVE AND DISCUSS THE SUB-PROGRAMMES’ ANNUAL PLANS FOR THE YEAR 2016 TO 2017**

8.1 **Research Management Sub-Programme**

8.1.1 **RECEIVED and DISCUSSED** the Research Management Sub-Programme’s Annual Report for the period of July 2015 to June 2016.

8.1.2 **REQUESTED** to know the incentive or strategy in place for establishing multi-disciplinary research groups.

8.1.3 **INFORMED** that the idea was to support the research groups in the writing of proposals for funds.

8.1.4 **ADvised** the Directorate to have a strategy in place for establishing the research groups.
8.2 Food Security, Sustainable Agricultural Productivity, Processing and Value Chain for Enhancing Food Security in Tanzania

8.2.1 RECEIVED and DISCUSSED the Food Security Sub-Programme’s Annual Report for the period of July 2015 to June 2016.
8.2.2 REQUESTED the PI to present the research areas for her postgraduate students. INFORMED that all students are not in the country and that they have just enrolled and so they have nothing to present.
8.2.3 REMINDED the PI on the importance of PhD students to come to the meeting and present their research questions, topics and findings.

8.3 Support to UDSM Library

8.3.1 RECEIVED and NOTED the Support to UDSM Library Sub-Programmes’ Annual Report for the period of July 2015 to June 2016.

8.4 Innovation and Sustainability in Tourism

8.4.1 RECEIVED and DISCUSSED the Innovation and Sustainability in Tourism Sub-programme’s Annual Report for the period of July 2015 to June 2016.
8.4.2 REQUESTED to know if water bodies have a part in promoting tourism in Tanzania. INFORMED that in Tanzania, the tourist assets include natural assets and water bodies are among those assets.

8.5 ENGAGE

8.5.1 RECEIVED and DISCUSSED the ENGAGE Sub-programme’s Annual Report for the period of July 2015 to June 2016.
8.5.1 INFORMED that students’ research is on market chain of rice. INFORMED further that in some stages the market is dominated by women but as you go high up in the value chain, women involvement becomes very low.
8.5.2 INQUIRED from the PI on the market targets in question as the rice market in some regions in Tanzania is dominated by the women.

8.6 iGRID: Smart Grid Capacity Development and Enhancement in Tanzania

8.6.1 RECEIVED and DISCUSSED the iGRID Sub-programme’s Annual Report for the period of July 2015 to June 2016.
8.6.2 REQUESTED the PI to summarize what the ‘smart grid’ is all about. INFORMED that the major aim of smart grids is to introduce ICT in the national grid so as to improve the efficiency of the service, communication and therefore reduce the loss of electricity. EXPLAINED further that the current situation with TANESCO is that it is difficult to pinpoint the area where there is a problem, but with smart grid, one is able to easily identify the fault and can sort out the problem while in the office. This will improve the control of the national grid.
8.7 Capacity Building in Interdisciplinary Molecular Biosciences Sub-program

8.7.1 RECEIVED and DISCUSSED the Interdisciplinary Molecular Biosciences Sub-programme’s Annual Report for the period of July 2015 to June 2016.

8.7.2 REQUESTED the PI to explain in simple words what lichens are, what the study is all about, why it is important and if such studies have been done in other parts of the world.

8.7.3 INFORMED that lichens are organisms that arise from algae and live in symbiotic relationship with fungi. INFORMED further that the study on lichens is new in Tanzania but it has been conducted in other parts of the world.

8.8 Sustainable Sanitation in Theory and Action (SUSTAIN)

8.8.1 RECEIVED and DISCUSSED the SUSTAIN Sub-programme’s Annual Report for the period of July 2015 to June 2016.

8.8.2 REPORTED that the programme has just recruited 2 PhD students and that their study will focus on sanitation in urban areas and include the potential value of waste as a resource and not as waste. INFORMED further that in terms of the area of study, it has not yet been identified as the students have just registered.

8.8.3 REQUESTED to know the definition of slum in the context of Dar es Salaam region. INFORMED that it is still debatable and that in this study a clear definition of slum for different places in the country will be obtained.

8.9 Capacity Building of Mathematics in Higher Education in Tanzania

8.9.1 RECEIVED and DISCUSSED the Mathematics Sub-programme’s Annual Report for the period of July 2015 to June 2016.

8.9.2 REQUESTED to know the structure of PhD Curriculum in Mathematics. INFORMED that the PhD Curriculum developed will be on pure mathematics in general.

8.9.3 REMINDED the PI to have students to present their research question in the Annual Review Meeting.

8.9.4 REQUESTED to know if UDSM has MoU with other universities in East Africa (Makerere and Rwanda) who jointly developed the curriculum and how the training will be conducted. INFORMED that the three universities have an MoU that signed under the auspices of IUCEA and that credits will be transferred from one University to the other.

8.9.5 REQUESTED to know if there is any strategy in place to ensure that the programme has female students. INFORMED that both female and male applicants have equal chances and that in the Master programme they have 50% female students registered.
8.10 Development of Affordable Adsorbent Systems for Arsenic and Fluoride Removal in the Drinking Water Sources in Tanzania (DAFWAT)

8.10.1 RECEIVED and DISCUSSED the DAFWAT Sub-programme’s Annual Report for the period of July 2015 to June 2016.

8.10.2 NOTED that pictures that show the problem of fluoride are from outside Tanzania. ADVISED the PI to have evidence (pictures) from Tanzania as one might get the impression that the problem is not as big as it is pronounced.

8.10.3 REQUESTED the PI to have ethical clearance as the project is also related to health issues.

8.10.4 REQUESTED to know if the project is multidisciplinary and if the health sciences units are also involved. INFORMED that it is a multidisciplinary research as the researchers are form Chemistry and Engineering. ADVISED the PI to collaborate with health sciences researchers in order to explore and develop evidence of the impact of fluoride and arsenic contamination on public health.

8.11 Marine Sciences Sub-Programme

8.11.1 RECEIVED and DISCUSSED the Marine Sciences Sub-programme’s Annual Report for the period of July 2015 to June 2016.

8.11.2 INQUIRED to know the difference between prawns and shrimps. INFORMED that prawns are small whereas shrimps are larger and that both are edible.

8.11.3 NOTED that natural and artificial production of tilapia yield products with different tests. ADVISED farmers to collaborate with food scientists but also select the proper supplements for products.

8.11.4 NOTED that the Sub-programme’s presentation was followed by presentations by three (3) PhD students registered under the Sub-programme.

Presentation by Mwasiti A. Rashid

8.11.5 RECEIVED and DISCUSSED the research proposal titled “Pangani Basin Hydrology and Coastal Environmental Changes Associated with Climate Change Drivers (Rainfall and Temperature).

8.11.6 NOTED that in the last 60 years, water resources have been notably decreasing in Pangani River Basin and climate change was ranked at 58.6% among the factors causing water shortages. The factors include decrease in rainfall and temperature rise.

8.11.7 REQUESTED to know how the student will establish ground water balance of the Arusha Volcanic Aquifer and estimate recharge rates. INFORMED that she will use mode flow, “beauty equation” and historical data.
Presentation by Mmanda Francis Pius

8.11.8 RECEIVED and DISCUSSED the research proposal titled "Nutritive Value and Use of Locally Available Low-Cost Feed Ingredients for Tilapia Farming in Tanzania ".
8.11.9 NOTED that in Figure 1 in the slide presentation, Dodoma appeared in a wrong location.
8.11.10 INQUIRED the rationale for the researcher to focus on salt water instead of fresh water fish. INFORMED that the preferred fish by consumers is tilapia and therefore the reason is to make those more nutritious.
8.11.11 INQUIRED the student’s opinion on the increase of ponds and the effect of climate change. RESPONDED that before a farmer develops a pond, an environmental impact assessment must be conducted in the area and approval issued to the farmer, otherwise it is not allowed to start developing the pond.

Presentation by Angelina Michael

8.11.12 RECEIVED and DISCUSSED the research proposal titled "The Potential of Arthrospira Platensis (Spirulina) in Improving the Quality of Farmed Rufiji Tilapia (Oreochromis Urolepis Urolepis) ".
8.11.13 REQUESTED to know why she has chosen Spirulina species. INFORMED that the specie is more digestible and has 60% protein as well as the pigment that improves the colour of the fish. Furthermore, spirulina is edible and is cost effective compared to other species.
8.11.14 INFORMED further that fish farmers have been using manure and do not know what inputs produce the protein.

8.12 Linking Public-Private Partnership to Secure Sustainable Water Resources Management in the Kilombero-River Basin

8.12.2 INFORMED that the 3 registered PhD students will work on the Sub-programme work packages as follows: Mr. William Senkondo will work on “Linking landscape changes across spatial scales and hydrological processes in Kilombero (Work Package 1)”, Edmond Alavaisha will work on “Assessment of trade-offs between ecosystem services under gradients of land and water use (Work Package 2)”, and Victor Mbande will work on Work Package 3 titled “Development of policy and management strategy framework for public-private partnership and optimised water allocation in the Kilombero river basin”
8.12.3 INQUIRED the reason for choosing Kilombero as the study area. INFORMED that Kilombero is the Southern Agricultural Growth Corridor of Tanzania (SAGCOT) priority area and therefore the aim of the project is to understand if SAGCOT programme will be effective in the area or not.
8.12.4 NOTED that the issue of Public Private Partnership has not been covered in the report. WANTED to know the progress on the area and it should be well covered in the coming reports as well.
8.12.5 **INFORMED** that there are some studies on the impact of SAGGOT that might be helpful to students and therefore requested PI to ensure that they do not repeat them.

9.0 **GENERAL DISCUSSION**

9.1 **RECOMMENDED** to have the Annual Review Meeting for two days, where one day will be for scientific presentations and the other day for administration issues of the programme. Furthermore, PIs in Tanzania and Sweden should meet before and prepare presentations together.

9.2 **INFORMED** that two days for Annual Review Meeting would be difficult for the Embassy and some Swedish partners since there are also annual meetings being held with three other institutions in the same week. It has **AGREED** that one day should be enough to receive and discuss the results of the Programme. If required research groups can request specific meetings. **NOTED** that comments on the annual reports will be communicated to PIs later by the Embassy of Sweden and that the comments will be shared with the Swedish partners.

9.3 **REPORTED** that the time given to each presenter was different and that some PIs had slides prepared by their students but were not given time to do the presentation while other did not have any presentation for their students and yet were given a lot of time. **APOLOGISED** for not giving more time to PIs to present for their students research.

9.4 **ADvised** to have uniformity in the preparation of the presentation such that only results are presented and not budgets, logframes, procurement processes, etc. that are not of much interest to the wider audience being present.

9.5 **INFORMED** that there are problems with all financial reports and that the Embassy of Sweden is planning to convene a meeting with the accountants of the programme for clarification.

9.6 **INFORMED** further that all reports should include a popular summary of the PhD students’ research projects (title, project description, research questions) which should remain as default in plans and reports until the end of the programme.

9.7 **REMINDED** the PIs to always report on all the results produced in the year including policy briefs, participation in committees, extension activities or any other useful and important information from the programme that should be communicated.

9.8 **REMINDED** the PIs to align the RBM with the project objectives when reporting.

9.9 **COMMENDED** the students for their research presentation.

9.10 **RECOMMENDED** to have one conference for all the 4 participating institutions in Tanzania so as to share the results in different fields.

9.11 **RECOMMENDED** to arrange for a video conference during the meeting for PIs in Sweden who will not be able to come for the meeting.

Ms. Noela Jonathan  
Principal Administrative Officer - Directorate of Research and Publication  
**RECORDER**
Approved for Issue:

UDSM Head of Delegation
Prof. C. Z. M. Kimambo
Deputy Vice Chancellor-Research
University of Dar es Salaam

DATE: 11/01/2017

Sida Head of Delegation
Dr. Inger Lundgren
Research and Innovation
Embassy of Sweden

DATE: 12/01/2017

Confirmed at the next meeting:

UDSM Head of Delegation
Prof. C. Z. M. Kimambo
Deputy Vice Chancellor-Research
University of Dar es Salaam

DATE: 

Sida Head of Delegation
Dr. Inger Lundgren
Research and Innovation
Embassy of Sweden

DATE: 