

## APPENDIX 3

### Activity Completion Report<sup>1</sup>

ACTIVITY FACTS		
<b>Name of Platform</b>	<b>Environment and climate</b>	
<b>African Partner Institution</b>	<b>Sokoine University of Agriculture, Tanzania</b>	
<b>Activity name</b>	<b>PhD course: Multivariate analysis of environmental data</b>	
<b>Main responsible resource person(s) for activity</b> from Danish university and African partner institution <sup>2</sup>	<b>Dr. Anne Mette Lykke Dr. Anders Barfod Prof. Philibert Ndunguru</b>	
<b>Start and end of implementation</b> (dd/mm/yy)	<b>8/1/2013-13/1/2013</b>	
BUDGET DETAILS		
<b>Original Budget (DKK)</b>	<b>114,370 from BSUEC &amp; 58000 from AU</b>	
<b>Actual expenses (DKK)</b> <sup>3</sup>		
ACTIVITY DESCRIPTION		
<b>Brief description of planned activity</b>	<b>Purpose</b>	To train the PhD students and academic members of staff in using various computer-based tools for analysis of multivariate environmental data with focus on classification and ordination.
	<b>Content</b>	Multivariate analytical methods are useful for gaining insight in the data structures of complex datasets as well as the underlying ecological processes that control these. These powerful computer tools enable the user to present the main dimensions in a data set in an easy comprehensible way.  In each session new methods are introduced in a lecture immediately followed by a computer exercise that gives the participants a chance to analyse various environmental data sets including their own data. The computer analyses are carried out in groups of 2-3 and based either on own data or data provided by the teacher. The assumptions and pitfalls of the methods taught are discussed.
	<b>Contribution to research capacity building</b>	Building capacity of 32 participants (26 PhD students and 6 academic staff) to undertake



		research and scientific papers using multivariate datasets (classification and ordination)
	Indicators	<p>After the course, participants are expected to be able to:</p> <ul style="list-style-type: none"> <li>• structure multivariate data and to identify relevant research questions that can be addressed using multivariate analytical methods</li> <li>• understand the assumptions underlying multivariate analysis and avoid the most common pitfalls</li> <li>• be confident with and critically judge the results of multivariate analysis</li> </ul>
	Other relevant details/comments	Gender aspects: 8 female participants out of 32
<b>Number of participants</b>	Target	24
	Result	32
<b>Describe/explain deviations from planned activity</b> (timing, number of participants, content of activity, etc.)		<p>More than 60 students and staff applied for the course, which was planned for 24 participants, following the number of participants was extended to 32.</p> <p>No deviations in timing and content of activity.</p>
<b>Main lessons learned</b> (list 3-5 issues)		<p>Lectures and computer exercises on:</p> <ul style="list-style-type: none"> <li>- Classification</li> <li>- Ordination</li> <li>- Miscellaneous multivariate methods.</li> </ul> <p>Support and advice on analysis of own data.</p>
<b>Suggestions for follow up activities</b>		<p>A second course to give the possibility to participate for the 30 participants not admitted to the first course.</p> <p>A potential second course should involve a PhD student from the</p>



first course that can act as teaching assistant.

More time for individual supervision of PhD students.

Time for second course should be extended to at least two weeks. The first week could be done by the local facilitator and the second week with Danish facilitators.

Need to intensify field work (do data collection from few vegetation plots)

Unit	(DKK)	South		North	
	Budget <sup>4</sup>	Actual	Budget <sup>4</sup>	Actual	
Salaries and emoluments	10,000	5,046.30	58,000*	53,165.85	
Taxameter/educational grants					
Expenses for trips abroad and fieldwork		1540.74	26,370	31,434.97	
Project and research equipment					
Project and research materials	10,000	28650.02	10,000	1,676.06	
Publication, dissemination and communication					
<b>TOTAL</b>	<b>20,000</b>	<b>35237.06</b>	<b>94,370</b>	<b>86,276.88</b>	

\* plus one month salary(58000 kr) form Aarhus University

ANNE METTE LYKKE

### List of participants/attendance register

#### Participants for the PhD course on Multivariate Data analysis (Jan 8<sup>th</sup> to 13<sup>rd</sup> 2013)

No.	Applicant Name	Status	E-mail
1	Ms. Hilda Sanga	Academic staff	<a href="mailto:sangahilda@yahoo.com">sangahilda@yahoo.com</a>
2	Mr. David Maleko	PhD Student	<a href="mailto:malecco@gmail.com">malecco@gmail.com</a>
3	Ms. Rosalia G. Rwegasira	PhD Student	<a href="mailto:shayoros@yahoo.com">shayoros@yahoo.com</a>
4	Mr. Fadhili Mgumia	PhD Student	<a href="mailto:fmgumia@yahoo.com">fmgumia@yahoo.com</a>
5	Ms. Silvia materu	PhD Student	<a href="mailto:mkabahatius@gmail.com">mkabahatius@gmail.com</a>
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10	Ms. Rose Kichereli	PhD Student	<a href="mailto:rose.kicheleri@gmail.com">rose.kicheleri@gmail.com</a>
11	Ms. Gloria K. Yona	PhD Student	<a href="mailto:glokavia@yahoo.com">glokavia@yahoo.com</a>
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13	Mr. Gervas Machimu	PhD Student	<a href="mailto:gmachimu2002@yahoo.com">gmachimu2002@yahoo.com</a>
14	Mr. Dominic Kilemo	PhD Student	<a href="mailto:dbkilemo@yahoo.com">dbkilemo@yahoo.com</a>
15	Mr. Steven Magembe	PhD Student	<a href="mailto:magembesteven2001@yahoo.com">magembesteven2001@yahoo.com</a>
16	Mr. Julius Luhende Malole	PhD Student	<a href="mailto:jmalolle@yahoo.co.uk">jmalolle@yahoo.co.uk</a>
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19	Mr. Eliapenda Elisante	PhD Student	<a href="mailto:marikie@nm-aist.ac.tz">marikie@nm-aist.ac.tz</a>



20	Mr. Hassan B. Shelukindo	PhD Student	<a href="mailto:hbashelu@yahoo.com">hbashelu@yahoo.com</a>
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24	Mr. Alfred ChitikiKahanju	PhD Student	<a href="mailto:alchitiki@yahoo.com">alchitiki@yahoo.com</a>
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31	Charles Kilawe	PhD Student	<a href="mailto:ckilawe@mail.com">ckilawe@mail.com</a>
32	Anthony Sangeda	Academic staff	<a href="mailto:sangeda@yahoo.com">sangeda@yahoo.com</a>

<sup>1</sup> Must be filled and submitted to Platform Secretariat (sla@dmu.dk) (and other designated staff as outlined in agreement to the assignment) no later than 2 weeks upon completion of activity.

<sup>2</sup> All responsible parties must sign Activity Completion Report before submission.

<sup>3</sup> If actual expenses (per budget line) deviate from original budget, this must be thoroughly explained and approval from Platform Secretariat attached to the Activity Completion Report.

<sup>4</sup> For budget expenses, see Inception Report (Annexes).

<sup>5</sup> (Scanned) copy of all written output converted to a single pdf (e.g. Power Point presentations, course materials, list of reading materials, course curriculum, etc.)

<sup>6</sup> Minimum e-mail address and phone number for all signatories.