

**Light-touch Baseline Narrative Reporting Document (November 2010)**  
**GEZIRA UNIVERSITY**

In lieu of the full baseline data collection exercise taking place, please complete the following reporting document. One overarching document for the whole consortium is preferred. However, if it is easier, we are happy to also accept one form per consortium partner.

While the document predominately uses a narrative reporting format, we have also included space for inclusion of any quantitative data that may be available. Please try to include as much quantitative data as possible.

In addition, the final part of the form requests publication and grants data relating to co-applicants (named personnel within the original bid document). These are vital for successful review of the progress of the African Institutions Initiative and we request that you provide as much data here as possible.

Any queries regarding the forms should be sent to: [r.e.hanlin@open.ac.uk](mailto:r.e.hanlin@open.ac.uk)

Please endeavour to return the completed form(s) to us by **30<sup>th</sup> November 2010**.

**PART A: Capacity baseline**

**1. What was the situation with respect to scientific/ research related human resources capacity (research active staff, post-grads) within your relevant field of activity in your African partner institutions at baseline (September 2009)?**

**Narrative report:**

In Gezira University research is conducted by Academic staff and post-graduate students (Msc. And PhDs). The staff and students that may undertake research in the water, sanitation and environmental health areas belong to the faculty of Medicine (Depts. of Community Medicine), faculty of agriculture (Depts. of Toxicology & Pesticides), faculty of Public Health & Environmental Sciences, faculty of Medical Laboratory Sciences, Blue Nile National Institute for Communicable Diseases and Water Management & Irrigation Institute. The academic staff conduct research for the sake of their promotion while the students undertake research for their dissertation and thesis. Staff and students from mentioned faculties & Institutions at Gezira University are conducting research in the areas of water, sanitation and environmental health.

The environmental Health group in Gezira U. includes experts on: Water management, water microbiology, water chemistry, epidemiology, environmental sciences, ecology, water engineering, sanitation, medicine, child health

**Any additional supporting quantitative data:**

**2. What relevant training courses/ programmes (for post-graduate teaching in particular, but also professional development) were available within the partner institutions at baseline (September 2009)? Please distinguish between courses/ programmes available in Northern institutions and African institutions if possible.**

**Narrative report:**

Gezira University offers specialised courses (at MSc. level) in Water Management , Pesticides & Toxicology, Public & Environmental Health, Community Medicine and Pathology (Microbiology), Medical Entomology & Vector Control, Integrated Control of Communicable Diseases, Community Health.

**Any additional supporting quantitative data:****3. What was the situation with respect to research management, governance and administration structures within your relevant field of activity in your African partner institutions at baseline (September 2009)?****Narrative report:**

- Organization of research is as follows:
  1. It starts at the department level where students applications (including proposals) are discussed and approved by the department members and a panel of experts (in some departments only). Supervisors are suggested at this level
  2. Students' applications and proposals from different departments are submitted to the faculty postgraduate department, where they are discussed and approved by the faculty postgraduate committee (headed by the dean and composed of head departments and senior professors).
  3. Approved students' applications (including proposals) from different faculties are forwarded to the Deanship of postgraduate studies, where they are discussed and approved by the postgraduate committee (a sub senate committee, headed by the Dean of postgraduate Studies and composed of faculty representatives).
  4. Postgraduate programmes at all levels (master & PhD) are either by courses & desertation (for partial fulfillment) or by research only.
  5. Completed research is evaluated by an examination committee nominated by the concerned department and approved by the Deanship of Postgraduate Studies. The committee is composed of the main supervisor (chairperson), an external examiner , internal examiner (from a related department/faculty). The final result will be approved by the faculty postgraduate committee, then forwarded to the Postgraduate Deanship to be approved by the sub-senate committee and finally by the university senate.
  6. Three (3) copies and a C.D of each approved thesis will be handed to the Postgraduate Deanship. Two additional copies will be provided to the department.

**Any additional supporting quantitative data:****4. What was the situation with respect to physical and ICT infrastructure within your relevant field of activity in your African partner institutions at baseline (September 2009)? Where any additional facilities based within Northern partner institutions regularly used by African partner institutions at baseline?****Narrative report:**

**Any additional supporting quantitative data:**

**PART B: Publication and grants situation**

Please provide the following as additional annexes to this report:

- A list of co-applicants' publications (for the last 10 years). Data should relate to both African and Northern institutions.
1. Ahmed A. Abdel-Hameed, A.-G. M. Ahmed, M.K. Elturabi, Ahmed, **A A Mohamedani**, and M.E.M.A. Magzoub- *An outbreak of dracunculiasis in central Sudan- Annals of Tropical Medicine & Parasitology, Vol. 87, No. 6, 571-577 ( 1993 ).*
  2. T. E. Taha , R. H. Gray and **Ahmed, A A Mohamedani** Malaria & low birth weight in central Sudan- American Journal of Epidemiology- Vol. **138**, No.5, 318-325
  3. S.H. A/Rahman, **A A Mohamedani**, E.M. Mirgani & A.M. Ibrahim- Gender Aspects & Women Participation In The Control & Management Of Malaria In Central Sudan- Soc. Sci. Med. Vol. **42**, No.10, pp. 1433- 1446 , 1995.
  4. A.H. Atta Elmula, B.Y.M.Nur, M.A.Taha, **A.A. Mohamedani** & O.K.: Saeed Prevalence of Hepatitis C Virus (HCV) Antibodies in Patients with Schistosomiasis - Gezira Journal of Health Sciences Dec.2007 **Vol.3** No. 2
  5. S.Elsanosi, S.H.Abdelrahman, I.Elsheik, M.Elhadi, **A.Mohamedani**, A.Hbour, S. Elamin, A.Elnoury, Elhadi Ahmed and Paul R. Hunter: A study of the use and impact of the Lifestraw™ in a settlement camp in southern Gezira, Sudan- Journal of Water and Health(2009)
  6. Ali M. Adeeb (2002). Environmental Impact of Irrigation and Agriculture in Sudan. Second Conference of Arab Union on Environment. Sudanese Environment Protection Society. Wad Medani. Sudan
  7. Ali M. Adeeb (1999). Irrigation Potential and Salinity Hazards in Sudan. Proceedings of Irrigation Management and Saline Conditions. Jordan University of Science and Technology, Irbid, Jordan
  8. Ali M. Adeeb (2006). Water Productivity of Food Crops in Gezira Scheme, Sudan. International Conference on Environmentally Sound Technology in Water Resources management. IASTED-Canada. Paper # 502-802.
  9. - Agriculture residues as domestic source of energy in the Sudan problems and validation "the cases of briquetting and carbonization " international conference on La biomasse energie pour le developement & environment : quelles perspectives pour l'Afrique , Abidijan, 1999.
  10. - valorisation energetique de la biomasse agricole preservation des ressources naturelles au Soudan , Laision, vol(47) 2000.
  11. - Current status and activities in agroforestry research and education in Gezira University, African net work for agroforestry, Kenya, 2001.
  12. - The role of agricultural residues as a household energy source in the Sudan rural areas, World Summit "Environment and sustainable development", South Africa, 2002.

13. - Principles of environmental education between theory and application, Gezira journal of educational sciences and humanities, vol(5) (1) 2006
14. -Use of pesticides by Gezira vegetables growers and workers and the alleged effects, Gezira journal of health sciences, vol(3) (1), 2007.
15. - The health and environmental impacts of Gezira tannery liquid wastes, Gezira journal of health sciences, vol (2) (3), 2007.
16. - Do it yourself biogas plant, Gezira journal of engineering and applied sciences, vol(2) (2), 2007.
17. - The role of fuel magnetic modifier in saving energy at the transport sector, the Sudanese journal of standards and metrology, vol (2) (1), 2008.
18. - The environmental impact and the wastewater quality of the textile wet processing in the Sudan, Gezira Journal of Health Sciences, vol 5(2) December 2009.
19. - Evaluation of management system of medical and biomedical wastes at Wad Medani Town, Sudan. Gezira Journal of Health Sciences, vol 5(2) December 2009.
20. - Health hazards due to shortage of drinking water during summer season in Portsudan Town, Sudan (2006-2008). The Fifth International Conference: Development , and environment in the Arab World, Assuit University, Egypt, March 2010.
21. - Environmental pollution of the liquid wastes generated by the tannery industry at Gezira State, Sudan. The 1st annual International Conference on Environment and Technology , IBB University , Yemen 1st August 2010 (accepted paper).

**22. Prof Nabil Bashir:**

23. Published 53 papers in international, regional & national journals & conference proceedings (Entomology, insecticides, herbicides, natural products, resistance, pest management, residues of pesticides, and formulations of pesticides, environmental pollutants, and industrial pollutants, mosquito control).

1. Books

- i) Introduction to Entomological Sciences, 1993, in Arabic.
- ii) Introduction to Pesticide Sciences, 1994, in Arabic.
- iii) Principles of Insecticide Toxicology (in Press), in Arabic.
- iv) Introduction to Insect Physiology (2001), in Arabic.
- v) Insect Taxonomy (final revision) in Arabic
- vi) Introduction to Nervous System, Part I (Final Revision), in Arabic.
- vii) Scientific Dictionary: Entomology, Pesticides & Toxicology ( in progress)

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- A list of co-applicants' grants (if possible for the last 10 years, minimum requirement is 5 years). Data should relate to both African and Northern institutions.

Project responsible party / Principal Investigator	Funding (USD)	External (yes: X)	Project title	Start year – end year
Dr. SalwaElsanousi	< 10000	yes	A Study of the Use and Impacts of Life Straw in settlement (camp) in Southern Gezira, Sudan	2007 - 2008
M.Sc. and Ph.D. Theses	20000	All	Qualitative and Quantitative Domestic Water Supply, Modelling Management of Domestic Water Corporation	2006-2010
Add more rows to the table if needed				
<b>Total</b>				