

## Curriculum Vitae of Mr. Ntakarutimana Amans

Amans Ntakarutimana (Mr.) has a specialised MSc in Sanitary Engineering (Water, sanitation and Hygiene). With 16 year field work – teaching – research experience in the domain of Environmental Health, Water Supply, Sanitation and Hygiene, Amans Ntakarutimana has developed knowledge based - hands on skills through research, teaching and community based intervention activities in rural and urban communities from Rwanda and Burundi. The areas of specialisation include Water supply and quality, Sanitation and Hygiene facilities design and sanitary inspections, community mobilisation and capacity building, policies, strategies analysis and assessment. Since 2009, Amans Ntakarutimana is involved in research activities as Principal Investigator to improve Community Water supply, Sanitation and Hygiene in Rwandan community using appropriate technologies and community based approaches to ensure the funding, equity and sustainability of services in collaboration with different institutions at different time including Ministry of Education, UR- College of Medicine and Health Sciences (Former KHI), Unicef Rwanda, Institute for Water Education (UNESCO), UNITAR (Geneva), 2iE (Bourkina Faso), Stockholm Environment Institute - SEI (Sweden) and Walden University (USA). Currently, Amans Ntakarutimana is the Programme Manager of Applied Health Education and Development / Africa AHEAD Rwanda to implement Community Based Environmental Health Promotion Programme in Rwanda using Community Health Club Methodology.

### **A. Personal data**

Name : NTAKARUTIMANA Amans  
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### **B. Qualifications**

- Specialised Masters in Sanitary Engineering (Water Sanitation and Hygiene), International Institute of Water and Environmental Engineering, Burkina Faso.
- Bachelor Degree in Earth Sciences (Hons.), University of Burundi.
- Certificate in Ecological Sanitation, UNESCO, Institute of Water Education.
- Certificate in Governance in Urban Sanitation, United Nations Institute of Training and Research.
- Post Graduate Certificate in Teaching – Learning in High Education, Kigali Institute of Education.

### **C. Other trainings**

Management des adultes, UR- Kigali Campus (Former KHI)  
Computer Skills and GIS (Word, Excel, AutoCAD, EPInfo, XLSTAT, GIS)  
International Training the trainers, Oxford University- U.K and Kigali Health Institute  
Teaching with case studies, University of West Ontario- Canada

#### **D. Occupied positions**

**1998-2001:** Researcher: Geochemical survey of soils of Butihinda Sector, Muyinga Province-Burundi. University of Burundi

**2002-2005:** Tutorial Assistant teaching Water supply and quality, Topography and survey, Wastewater management and solid waste management, Former KHI

**2005-2012:** Deputy Head of Department of Environmental Health Sciences with teaching activities in Safe water management, Waste management, Introduction to Community Health and Human resource development (Capacity building), Former KHI

**2008 up to date:** Lecturer of Waste management / Kitabi College of Conservation and Environmental Management (KCCEM)

**2012 up to date:** Lecturer - Researcher of Safe water management and Waste management / UR- College of Medicine and Health Sciences, Faculty of Community Health Development, Department of Environmental Health Sciences.

**2013: Programme Manager** – Africa AHEAD Rwanda to implement Community Based Environmental Health Promotion Programme using Community Health Club Methodology.

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#### **E. Teaching activities and capacity building**

Disease prevention and control/Vector control

Epidemiology and research

Environmental Health Impact Assessment

Environmental Pollution Control

Human Resource Development / Capacity building

Water supply and quality

Solid waste management

Excreta management

Wastewater management

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## F. Practical experience

### Water supply sanitation and hygiene (WASH) activities

1. Water supply for Gitega communities (Burundi): design of water supply facilities and community involvement, Regideso Project, **Intern** 1998
  2. Survey to assess water sanitation and hygiene facilities in primary schools of 6 provinces of Rwanda targeted by Unicef, **Supervisor**, Unicef 2003
  3. Baseline survey to assess water sanitation and hygiene in Gisenyi Province, **in charge of water quality analysis**, Unicef 2004
  4. Monitoring of drinking water quality in former Gisenyi and Ruhengeri provinces, **Project Coordinator, Unicef 2004**
  5. Survey to assess hygiene and sanitation in Kibuye town, **Consultant of PED (Projet Suisse) and Kibuye town 2005**
  6. Water sanitation and hygiene promotion in Kiziba camp of refugees, **Technical Advisor**, American Refugee Committee (ARC), 2005
  7. Elaboration of water supply, sanitation and hygiene technical study for 11 Health Centers of Karongi and Rutsiro Districts, **Consultant of PED (Projet Suisse) 2006.**
  8. Acceleration of Water Supply and Sanitation towards Reaching Rwanda's Millennium Development Goals, **Member/Project steering committee**, Unicef 2007-2008
  9. Design to improve wastewater treatment and disposal system for Nyamishaba Campus, May 2012
  10. Training of Environmental Health Technicians under the Community Based Environmental Health Promotion Programme in Bugesera District, 2012
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### Policies and curricula related activities

1. Member of the inter ministerial committee for harmonising the policy of Environmental Health of Ministry of Health, Environmental management and water and sanitation policies of Ministry of Land, Water and natural Resources, 2007
  2. Participated in curriculum development of: 1) Environmental Health for Kigali Health Institute (KHI), 2) Environmental Education for Rwanda Environmental Management Agency, 3) Environmental and wildlife management for Kitabi Conservation Training Center, 2002-2008
  3. Participated in curriculum development of bachelor degree in Environmental Health at National Institute of Public Health (INSP- Bujumbura), Bujumbura March 2008
  4. Contributed in water and sanitation policy and its implementation strategy 2013-2017-Rwanda
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### Waste and Health care waste management activities

1. Design of a solid waste management system for Kibuye town, **Advisor** of Bwishyura Sector 2005
  2. Establishment of integrated solid waste management in Bujumbura City , **Consultant**, ADLP 2006-2007
  3. Assessment of medical care waste management in health centres for quinquinal strategic plan for medical care waste in Rwanda, **Supervisor**, WHO 2007
  4. Advisor to the Ministry of Infrastructure in Environmental and social impact assessment study for the establishment of solid waste management landfills in Karongi and Rusizi Districts- Rwanda, 2011
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### **Community mobilization and awareness activities in hygiene and sanitation**

1. Conducted community awareness activities in Masaka Sector on Cholera epidemic, **Supervisor**, Rwanda 2006
  2. Supervised climate change awareness project in Western Province of Rwanda, **Consultant**, EA-Rwanda 2007
  3. Used Community Hygiene clubs for hygiene and sanitation promotion in Bugesera district, 2011 and evaluation, 2012
  4. Held a press conference in 2008 with journalists on protecting health from climate change
  5. Have offered a talk on Radio Rwanda on protecting health from climate change, 2008
  6. Have developed a project proposal for community awareness and involvement for improved hygiene and sanitation of Rubavu district, 2010
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### **Papers presented in Conferences**

1. Protecting health from Climate change, World Health Day, Ministry of Health, **May 2008**
  2. Feasibility study of Rain water Harvesting by roof catchment of households in Rwandan community, 1<sup>st</sup> Regional conference on environmental health, National Institute of Public Health - Bujumbura, **2009**
  3. Evidence based community water supply and sanitation to prevent child deaths, 2<sup>nd</sup> International Conference on preventing Maternal and Child deaths, **Serena Hotel, Kigali 8-9 July 2010**
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### **Planning, coordination, supervision and reporting**

**From 2005 to 2012:** Deputy Head of Department of Environmental Health Sciences in charge of:

1. Planning and follow up of departmental teaching activities and monthly report
2. Assistance to lecturers for field visits and practices of students
3. Planning and coordination of field training activities
4. Teaching, research, consultancy, networking and community outreach activities

**2013-up to date:** Programme Manager – Africa AHEAD Rwanda

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### **Research activities**

1. Geochemical survey of soils, Butihinda Sector, Muyinga Province- Burundi, (**BSc Thesis research**), University of Burundi 1999-2001
  2. Have supervised more than 56 student (BSc) Research projects in the domain of Environmental Health – Water Sanitation and Hygiene
  3. Investigation on biological quality and health safety of the use of ecosan latrine and products: case of Burera district (funded by Unicef) completed, in editing for publication. (**Principal Investigator**).
  4. Feasibility study of rain water harvesting by roof catchment in Rwandan community, case of 5 Districts of Rwanda (funded by the Ministry of education), (**Principal Investigator**) (Completed)
  5. Assay to improve Water Sanitation and Hygiene Services in Karongi District-Western Province – Rwanda (**MSc thesis research**) (Completed), March 2013.
  6. Institutional mapping of sanitation and hygiene services in Rwanda: Case of Burera District (Completed in 2012)
  7. Rules, roles and resources: A Comparative Study of Productive and Conventional On-site Sanitation in Rwanda (funded by SEI-Sweden), (**Principal investigator**).
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### **G. Languages**

**French** : Very good; **English** : Good; **Swahili** : Good; **Kinyarwanda** : Excellent; **Kirundi** : Excellent

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**Mr. Amans Ntakarutimana, Kigali 22.10.2013**