**RESUME – GEORGE MANFUL**

**Principal Areas of Interest:**

* National Greenhouse Gas Inventories
* Vulnerability and Adaptation Assessments/GHG Mitigation Assessments
* Climate Change policy development
* Sustainability and Green Economy
* Intergovernmental negotiations on climate change

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| Personal Information | **Name**: George Manful  **Address**: 21/22 Coconut Close, Community 20 Estates  P.O. Box CT 4602, Cantonments Post Office, Accra, Ghana  **Phone**: + 233-275191000/561155054/5  **E-mail**: [gmanful@gmail.com](mailto:gmanful@gmail.com)  **Nationality**: Ghanaian  **Date of Birth**: 15 May 1953 |
| Education | 1. **University of Gent, Gent, Belgium**   Duration : February 1988-February 1992  Degree obtained: PhD (Environmental Science)   1. **University of Gent, Gent, Belgium**   Duration : October 1985-June 1987  Degree obtained: MSC (Soil Science)   1. **International Institute for Infrastructural, Hydraulic and Environmental Engineering, Delft, The Netherlands**   Duration : October 1980 – October 1981  Degree obtained: Postgraduate Diploma (Environmental Science and Technology)   1. **Kwame Nkrumah University Of Science and Technology, Kumasi, Ghana**   Duration : October 1973 - September 1977  Degree obtained: BSc (Chemistry, – Honours) |
| Employment | 1. **Ministry of Energy Industry and Mineral Resources, Saudi Arabia**   Duration :1 October 2015- to date  Position: Senior Consultant, Greenhouse Gas Emission Reduction   1. **United Nations Environment Programme (UNEP) Headquarters, Nairobi, Kenya**   Duration :1 May 2005 - 31 May 2015  Position: Senior Programme Manager, Climate Change   1. **United Nations Climate Change Secretariat, Bonn, Germany**   Duration : 31 December 1998- 30 April 2005   1. Programme Officer, Implementation Programme 2. Head, GEF Liaison Unit 3. Senior Advisor to Executive Secretary) 4. **Environmental Protection Agency, Ghana**   Duration: 11 January 1982- 31 December 1998 (17 years)   1. Assistant Programme Officer (3 years) 2. Programme Officer (6 years) – On study leave 3. Senior Programme Officer (2 years) 4. Deputy Director (2 years) 5. Director of Operations (1 year) 6. **Kwame Nkrumah University Of Science and Technology, Ghana**   Duration : 15 September 1978-20 August 1980  Teaching Assistant; Dept. of Chemistry (2 years) |
| Work experience at UNEP | **Description of Duties**   1. **Plans and manages UNEP’s GEF climate change enabling activity portfolio by:** 2. Conceives and leads UNEP's GEF climate change enabling activity strategy development 3. Conceives, develops and leads UNEP’s GEF National Communications programme 4. Supervises and monitors work assigned to more than 70 high-level national agencies relating to the preparation of national communications (NCs) and biennial update reports (BURs) and Intended Nationally Determined Contribution (INDCs) 5. Provides administrative, operational, technical and policy advice to governments on the implementation of climate change projects 6. Provides technical feedbacks to work done by over 250 national consultants working on national communications, biennial update reports(BURs), Technology Needs Assessment (TNAs) and intended nationally determined contributions (INDCs) projects 7. Presents and defend climate change enabling activity project concepts and proposals at the Project Review Committee of UNEP. 8. Prepares biannual progress reports to GEF Secretariat and UNFCCC Secretariat covering all enabling activities portfolio projects of the 9. Analyzes substance and quality of the projects outputs, coordinating the evaluation of projects and subprojects 10. Provides guidance to subordinate professionals and support staff, setting objectives and standards, monitoring and appraising their performance, identifying training needs and facilitating and environment of team work and high productivity 11. Administers non-human resources of the project in the most effective and efficient way. 12. Manages and supervises UNEPs GEF enabling activities with international research organization, UN agencies, World Bank, bilateral aid agencies, relevant Governments and the GEF 13. Approving climate change publications at UNEP headquarters, providing input and guidance to other relevant publication. 14. **Conceives, develops and implements new GEF Climate Change Enabling Activity project proposals by:** 15. Identifying, developing and supervising new portfolio of new climate change concepts and project proposals 16. Developing and maintaining close communication and relations with relevant senior government officials, international research organizations, UN agencies, GEF, Governments and UNEP collaborating Centers, on climate change enabling activities 17. Guiding and directing consultants and Government agency officials in developing project proposals on climate changed. 18. Guiding Governments to help integrate climate change project proposals with other relevant multilateral environmental agreements 19. Advising Governments on emerging GEF climate change enabling activity issues. 20. Liaising and maintaining good relations with senior GEF Secretariat staff on operational and policy   **Summary of achievements at UNEP**   1. Managed a climate change enabling activity project portfolio in excess of US$ 100 million of GEF grants to 70 developing countries in Africa, Asia, Pacific, Middle East and Caribbean. 2. Coordinated capacity building activities involving over 1200 national experts in the areas of GHG inventories, GHG mitigation assessments and Vulnerability and Adaptation assessments and Technology Needs Assessments and Intended Nationally Determined Contributions to the 2015 Agreement (INDC) under the UNFCCC 3. Conducted more than 120 global, regional and national climate change capacity building workshops for developing country experts 4. Undertook quality assessments of 65 national communications and technology needs assessments and biennial update reports of developing countries in Africa, Asia and Pacific and the Caribbean |
| Work experience at the UNFCCC Secretariat | **Description of Duties**   1. Provides advice and coordinates the implementation of the UNFCCC secretariat’s strategy for effective support to developing countries in the implementation of climate changer enabling activities and capacity building projects 2. Coordinates secretariat-wide work relating to the effectiveness of the operations of the financial mechanism of the UNFCCC 3. Facilitates the work of the intergovernmental negotiating groups on issues relating to support for the implementation of the Convention by developing countries. Specifically undertaking the following:    1. Develops and regularly updates the set of criteria used for the review of climate change enabling activities, GHG mitigation and capacity building project proposals for GEF funding.    2. Coordinates and participates in the secretariat’s review of enabling activities, capacity building project proposals submitted to the GEF by all eligible country Parties to the UNFCCC    3. Coordinates and participates in the secretariat’s review of full-sized and medium-sized climate change mitigation projects in the areas of energy efficiency and conservation; renewable energy; reduction of long-term costs of low GHG emitting energy technologies and the promotion of sustainable transport submitted for GEF funding by eligible country Parties.    4. Develops options for effective collection, collation, management and presentation of information provided by bilateral and multilateral agencies and other governmental organizations and institutions on their consultations with developing countries in the formulations of programmes and action plans to support capacity building activities and enabling activities in the area of climate change.    5. Initiated and coordinated the preparation of statements and published articles of the Executive Secretary of the UNFCCC.    6. Participates in liaison activities with the secretariats of the UNCCD and UNCBD on ways and means of promoting synergies in the implementation of these environmental conventions    7. Provides technical support to UNFCCC Parties, upon request, through the organization of, and participation in, workshops and seminars on climate change enabling activities such as national communications and prepare reports of the meetings for the consideration of COP and its subsidiary bodies,    8. Coordinates the preparation of compilation and synthesis reports of all national communications on developing country Parties to the UNFCCC    9. Support the work of the Consultative Group of Experts (CGE) on national communications from parties not included in Annex I and assists the CGE in implementing its work programme by preparing technical papers on issues relating to the improvement of GHG inventories, vulnerability and adaptation assessments as well as GHG abatement strategies    10. Provides supervision to subordinate professional staff, consultants and visiting fellows.   **Summary of achievements at UNFCCC secretariat**   1. Coordinated the UNFCCC secretariat wide review of GEF funded climate change projects 2. Developed a framework to monitor the implementation of COP guidance by the GEF 3. Suggested improvements to the content and format of GEF reporting to the COP 4. Coordinated the COP review of the effectiveness of the financial mechanism of the Convention. 5. Coordinated the intergovernmental processes leading to the provision of omnibus COP guidance to the GEF 6. Coordinated work leading to the establishment of the CGE 7. Coordinated the preparation of the synthesis reports of non-Annex I national communications 8. Prepared a widely acclaimed technical report on COP inputs into the 4th replenishment of the GEF for the consideration of the COP |
| Work experience at EPA Ghana | **Description of Duties**   1. Participates in the formulation, interpretation and application of major policy decisions of the Environmental Protection Agency of Ghana as a member of management team 2. Initiates direction, supervision and oversight of the operational duties of the EPA as they relate to the Mining and Industry, Environmental Inspectorate, Environmental Assessments and Audit and Multilateral Environmental Conventions and Projects Implementation Department of the Agency 3. Develops and initiates measures to ensure effective linkages between the Operations Division’s work plan and programmes and the overall corporate plan of the Agency for optimum utilization of human and financial resources of the EPA of Ghana. 4. Participates in the planning, development and periodic appraisal of the Agency’s short medium and long term plans and policies and evolves strategies to ensure its sustainable growth and development 5. Consolidates and coordinates departments and divisions budget proposals and organizes periodic meetings to review such proposals within the context of the overall corporate plan and policies 6. Coordinated the establishment of environmental standards and guidelines and ensures their dissemination to all end users 7. Coordinate the implementation of the Environmental Quality Component of the GERM Project 8. Recommends for major decisions aimed at enhancing the effective delivery of work of the Operations Division. 9. Recommends for consideration deserving applicants for promotion. 10. Prepares and coordinates the implementation of climate change enabling activity project of Ghana under the UNFCCC 11. Participates in all meetings of the IPCC Plenaries and Working Groups I and II from 1993-1996 12. Peer reviewer of all IPCC Working Group I and II Reports during the preparation of the Second Assessment Report (SAR) of the IPCC |
| List of Professional Societies and Activities in Civic and Public Affairs | 1. Member Ghana Science Society 2. Member Ghana Chemical Society 3. African Science Society 4. Belgium Soil Science Society 5. Ghana Society of Environmental Impact Assessment 6. Member UNFCCC Consultative Group of Experts on National communications (2006 – 2015) 7. Member UNEP Publications Editorial Board (2006-2010) 8. Vice President: 3rd and 4th Conference of Parties to the UNFCCC 9. Member of Board of Directors    1. *Soil Research Institute, CSIR, Ghana 1993-1996*    2. *Ghana Standard Board 1997-98*    3. *Ghana Free-Zone Board 1997-98* |
| List of Publications | 1. Capacity-building initiatives to implement the climate change convention in Africa ( pp 297-309) : In Climate Change and Africa (Ed P S Low) 2005   *Author: George Manful*  *Publisher : Cambridge University Press*   1. Environmental Effects of Arsenic contamination Around a Gold Smelter in Ghana; Proceedings International Conference of heavy Metals in the Environment, pp 83-87, October 1989   *Authors: George Manful and Marc Verloo*  *Publisher Elsevier Science Publishers*   1. Arsenate Sorption in relation to pH and selected Anions   Pedologie Volume 39 pp 55-68, December 1986  *Authors, George Manful and Marc Verloo*  *Publisher : Rozier, Belgium*   1. Environmental Effects of Arsenic contamination around a Gold Smelter in Ghana. *Proceedings. International conference of Heavy metals in the Environment, Geneva (1989); pp 329-333* 2. Mobility of Arsenic in contaminated soils, *Proceedings, Seminar on the Effects of Mining on Ghana’s Environment, Accra (1992); pp 105-114* 3. Approaches to sanitation of Arsenic contaminated soils Proceedings, *Seminar on the Effects of Mining on Ghana’s Environment, Accra (1992); pp 115-120* 4. Kinetics of arsenite and arsenate sorption by tropical soils, *Proceedings, International seminar on the Effects of mining in Ghana, Accra (1993); pp 11-20* 5. Manual for preparing Environmental Management plans in the manufacturing Industries in Ghana *(1996)* |
| Personal Abilities | 1. Ability to work with very little or no supervision 2. Computer Literate, 3. Excellent good team player and good interpersonal skills, 4. Excellent Negotiating and communication skills 5. Confident to take challenging assignment(s) 6. Strong aptitude for learning new skills quickly. |
| Professional Skills | 1. Use of tools and methodologies for Greenhouse gas (GHG) Inventories; Climate Change Impact, Vulnerability and Adaptation Assessment; GHG Mitigation Assessments; Technology Needs Assessments 2. Carbon Financing and CDM Project Development 3. Strategic and Environmental Impact Assessment 4. Excellent Project proposal writing and project management skills |