

Dr. Balgis Osman-Elasha



“First I would like to congratulate the Government of Denmark for embarking upon this far-reaching initiative of conducting an international congress on **Climate Change: Global Risks, Challenges and Decisions**. This process has been launched at a crucial time in the world’s development history; marking in particular a milestone in the road to COP15 in Copenhagen in 2009. COP15 represents the last opportunity to reach a decision regarding a new agreement. The goal of COP15 is to enter into a new agreement that promotes the balanced pursuit of economic, social and environment objectives.

According to The Intergovernmental Panel on Climate Change (IPCC), the global temperatures will rise between 1.8° and 4° C during this century, and may rise up to 6.4° C. Unpredictable weather and natural disasters like drought, floods, hurricanes and heat waves are becoming more common. A warmer and less stable climate will bring huge ecological, social and economic challenges. Furthermore, the IPCC predicts that the volume in rivers will fall as temperatures rise, leading to water shortages and that, as rainfall patterns shift, revenues from crops could fall by 90 per cent by 2100. Despite the fact that Africa’s greenhouse gas emissions are negligible compared to those of the developed world and the emerging economies, Africans are expected to be among the biggest sufferers of climate change, particularly small-scale peasant farmers, In this regard, the developed world bears a responsibility, as it is their greenhouse gas emissions that are the main cause in global warming.. It is therefore, a moral duty for them to help Africa and other vulnerable regions to adapt to the projected impacts of climate change as well as to enable their accessibility to advance technologies and know-how.

My presentation will cover these issues related to equity across different levels and scales e.g. between regions, countries and stakeholder groups. It will also highlight the gender inequalities emphasizing the disproportionate impacts of climate change on women in many parts of the world. It will look at burden sharing in terms of causes of climate change, impacts, mitigation potential and opportunities for adaptation. It will end up by outlining important challenges that should be addressed in the post Kyoto regime, with a focus on equity dimension and the need to recognize historical and per capita emissions of greenhouse gases, taking into consideration the differing economic circumstances of developed and developing countries.”- Dr. Balgis Osman-Elasha

Curriculum Vitae.

Personal Details

*Last Name: **Osman-Elasha***

*First name: **Balgis M.E.***

*Date of Birth: **19.4.1962***

*Nationality: **Sudanese***

*Employment: / **Senior Researcher –HCENR***

*Institution: **Higher Council for Environment & Natural Resources (HCENR)***

*Mailing address: **HCENR-Gamma Street-***

*City: State/Province: **Khartoum***

*Postal Code: Country: **10488 /Sudan***

Educational Background

- ***Ph.D. Forestry Science, Faculty of forestry - University of Khartoum, 2003.***
- ***Master (MSc) of Science, Environmental Studies, Institute for Environmental Studies Khartoum University, 1996.***
- ***Bachelor of Science (B.Sc.) (Honour) Forestry, Faculty of Agriculture Khartoum University, 1984.***

- More than 12 years of professional knowledge and experience in forests planning and management, rural development, and social forestry.
- Ten years experience in Climate Change issues with special focus on vulnerability and adaptation assessment related to African countries. Currently my work focuses on sustainable development, with special emphasis on the impact of global environmental changes.
- I have served as a leading member in one of the largest professional network in the area of conservation and sustainable development: the Inter-governmental Panel on Climate Change (IPCC), in which I served as :
 - **Lead Author** for the IPCC Technical Paper on Water and Climate Change 2006- up-to-date,
 - **A Lead Author** for the 4th.Assessment Report WGII(Vulnerability & Adaptation Assessment) Chapter 9-Africa , 2007;
 - **A Lead Author** for, IPCC NGGIP 2006 IPCC National Greenhouse Gas Inventories Guidelines /Energy Sector.-Chapter2 on Stationary Consumption, 2005.
 - **A Coordinating Lead Author** for The IPCC Special Report on Carbon Dioxide Capture and Storage, 2003;

- A **Coordinating Lead Author** on the International Assessment of Agricultural Science and Technology for Development (IAASTD) Global Assessment report.
- A **Coordinating Lead Author** on the paper on Forests Adaptation to Climate Change , United Nations Forum on Forests,
- October, 2005 National Consultant One System Inventory, Environmental Theme/Multipurpose Program Development/ Eastern Nile Technical Regional Office (ENTRO)- Nile Basin Initiative (NBI) **World Bank/UNDP**
- 2002- 2006, **Principal Investigator**, Assessment of Impacts and Adaptation to Climate Change in Multiple Regions and Sectors (AIACC) Sudan Project AF14.UNEP/GEF
- Member of the Core Team for Drafting Global Climate Observing System (GCOS) Strategy for Eastern and Southern Africa-UNDP/GEF 2002.
- 2003. Reviewer of the Good Practice Guidance (GPG) for GHG Inventory Manual - National Communications Support Unit Handbook UNDP/GEF
- Nov, 2004 A member of the team who drafted a Background paper on” Evaluation of methods and tools for assessing impacts and vulnerability and developing adaptation responses” – UNFCCC/SEI-Boston

ACCOMPOLISHMENTS

- **One of the winners of the Champions of the Earth.** This is an international environment award, presented each year by the United Nations Environment Programme (UNEP) to seven outstanding environmental leaders The annual prize rewards individuals from around the globe who have made a significant and recognized contribution globally, regionally and beyond, to the protection and sustainable management of the Earth's environment and natural resources.

WWW.UNEP.org/champions/winners

- **Selected to participate in the Awarding Ceremony of the Nobel Peace Prize** to the IPCC in Oslo, Norway from 10 to 11 December 2007.
- Conducted and supervised large number of researches and assessments on climate impacts, vulnerability and adaptation to climate variability and change.
- Authored a number of publications, scientific papers, presentations, news articles and technical reports.
- Supervised all Climate Change related activities that lead to building national capacities and enabling Sudan’s communication to the United Nations Framework Convention on Climate Change (UNFCCC) 1998-2002
- Developed dissemination programs and journal contacts to raise awareness and advocacy about issues related to climate change;
- Played key role in the coordination of the GHG inventory, Vulnerability and Adaptation Assessment and Conducted training workshops on climate change related information development & circulation

- Lecturer on part time basis at the El Azhari University/ Khartoum- teaching courses on global environmental changes.

EMPLOYMENT RECORDS:

1. JANUARY 2002-2006

PRINCIPAL INVESTIGATOR/Environmental Strategies for Increasing Human Resilience to Climate Change Impacts Project in Sudan -AIACC-AF-14 Project- .

Institution: (Gov) Higher Council for Environment & Natural Resources (HCENR)- Gamaa St. P. O. Box 10488- Tel 249 11 784279 /Fax 249 11 787617

2. JUNE 98- DEC.2001: Assistant Project Coordinator-Climate Change Enabling Project (HCENR):

3. JULY 1993- MAY 1998: -

Head of Statistics & Information Section / Planning Department –Forests National Corporation /Institution (Gov.) Forests National Corporation (FNC) Headquarters

P. O. Box 658/Khartoum-Sudan -Tel.: 249 11 467650 / FAX: 249 11 467515

4. NOV. 1989-JUNE 1993: *PLANNING OFFICER / Institute: FNC HEADQUARTERS*

5. July1987-October1989 BIOMASS OFFICER
(COUNTERPART TO FAO BIOMASS OFFICER\ FDES)-FNC_HEAD QUARTERS

5- JAN. 1985- JUNE 1987: Extension Officer, FAO Fuelwood Development for Energy Project (FDES)- Institute: FNC- Headquarters in cooperation with the Food and Agriculture Organization (FAO).

PROFESSIONAL ACTIVITIES

- ◆ Conducted a study together with Downing, T.E. from Stockholm Environment Institute (SEI-Oxford) on. Lessons Learned in Preparing National Adaptation Programmes of Action in Eastern and Southern Africa, 2007
- ◆ Lead Author Paper on Climate Variability and Change/ Impacts on Peace and Stability in Sudan and the Region, Nils Development forum- Khartoum- Jan.2008
- ◆ A Lead Author, Background paper for the African Workshop on Adaptation Implementation of Decision 1/CP.10 Of the UNFCCC Convention/ Accra/Ghana, 21st.-23rd., Sept., 2006
- ◆ A member of the Core Drafting Team for the Regional Action Plan for Improving Global Climate Observing System in Eastern and Southern Africa -Coordinator of Capacity Building (Training, Education, Awareness and Curriculum Development) Team – GCOS /UNDP and DMC-N January 2002;

- ◆ Team Leader /Stakeholder analysis for the Development of an Optimum Dissemination Strategy for the Seasonal Rainfall Forecast in Western Sudan- A study for the application of Climate Forecast – 2006
- ◆ A lecture on Regional perspectives on climate change research priorities: An overview from Africa – Ottawa – Canada, 2007.

PROFESSIONAL AFFILIATIONS

- **A member of the Expert Panel on Adaptation to Climate Change, 2007**
- A member of the **Science Committee for the International Human Dimension Program (IHDP) for Global Environmental Change.**
- 2006, A member of the **Advisory Group of Global Environmental Change and Food Systems (GECAFS)- Environmental Change Institute, Oxford University**
- 2006, Vice Chair, **Advisory Board Climate Change Adaptation in Africa Research and Capacity Development Programme (CCAA) / the International Development Research Centre (IDRC), Canada, and the Department for International Development (DFID), U.K.**
- A member in Women in Law and Development in Africa Network (WILDF)
- A member of The Sudanese Social Forestry Network
- A member of the Executive Committee of The National Cook stoves Network (NCN)
- A member of the Sudan Environment Protection Society (SECS)
- A member of the Environmentalist Society
- A member of the Consumer's Protection Society
- A member of the Women in Agricultural Development Committee.
- A member in Sudanese Participatory Approaches Network (SPAN)
- A member in Sudanese Agriculturist Union