

## CV:

### **Nagmeldin Goutbi Elhassan Mahmoud**

Senior Researcher, Environment and Natural resources Specialist  
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### **Experience Summary**

Developed a rich expertise (over 30 years) on wide range of natural resources, environment and development issues. Including over 17 years experience on climate change related issues, with emphasis on greenhouse gases (GHGs) inventory, mitigation, adaptation, technology and the UNFCCC<sup>1</sup> negotiations. Initiated and played a key role in establishing climate change process in Sudan, including establishing institutions at national and state levels, the development of national climate change strategies and adaptation plans, led multi-stakeholder assessments teams, formulated project documents, analyzed GHGs mitigation options for achieving emission reductions and sustainable development, and contributed to the development of methodological approaches, training programs and application of methods and tools. Coordinated climate change activities among government, research and other institutions at national and state levels and contributed to building national capacity and public awareness. Participated in the UNFCCC Expert Review Teams (ERTs) of GHGs inventory and national communication reports in many developed (Annex I) countries. Jointed the membership of a number of the constituted bodies under the climate change convention, Kyoto Protocol and the IPCC task force on GHGs Inventory. Possess good knowledge of the UNFCCC negotiation process and the applied Rules and Procedures of the Convention. Participating in the UNFCCC negotiations since 2003 and acted as lead negotiator and spoke person of the African Group in number of issues, co-chaired number of negotiating groups and coordinated the Group 77 and China during Sudan's Chairmanship in 2009 and the African Group in 2014. Worked as lead author and reviewer in number of the IPCC<sup>2</sup> scientific publications, in addition to authoring or co-authoring many scientific papers, technical reports and other publications. About 13 years working experience with forest and land use management, including forest planning and management, forest inventory, afforestation and reforestation.

### **Qualifications**

- Assistant Professor (2011)
- M.Sc. University of Khartoum, Sudan (2000), (*Forestry Management*).
- B.Sc. University of Alexandria, Egypt (1982), (*Agriculture Science*).
- One of the IPCC lead authors who received a personalized certificates for "contributing to the award of the Nobel Peace Prize for 2007 to the IPCC"

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<sup>1</sup> United Nations Framework Convention on Climate Change

<sup>2</sup> Intergovernmental Panel on Climate Change

### Summary working experiences:

Year	Working experience
2011- present	<i>Promoted to Assistant Professor (Senior Researcher) at HCENR: Same responsibilities as described below in addition I am also involved in a number of international processes under the climate change Convention (Technology Executive Committee, Expert Review Team of Annex I GHGs inventory), the IPCC (Editorial Board of Emission Factor Database) and also designated as the Chair of the African Group of the Negotiators under the climate change Convention for years 2014-2015.</i>
2005-2011	<i>Researcher, HCENR: Coordination of the Climate Change process in Sudan, including preparation of national communications, Greenhouse Gases Inventories, vulnerability and adaptation assessment, mitigation analysis, technical and institutional capacity building, planning and policy development, projects preparation and management, fund raising, following the UNFCCC negotiation process and the IPCC scientific process. Research and studies, public awareness and other responsibilities related to the area of environment and sustainable development</i>
2002-2005	<i>Principal Investigator of the Sudan's ALACC-AF14 case studies of the Global project on Assessment of Impacts and Adaptation to Climate Change (ALACC) in Multiple Sectors and Regions sponsor by GEF and implemented by UNEP.</i>
1998-2002	<i>Deputy Coordinator, Sudan's Initial National Communication project.</i>
1985-1998	<i>District Manager (1985-1989), deputy project manager (1989-1992) and Manager of the Sudanese/German Jebel Marra project, in collaboration between GTZ and Forest National Corporation, in western Sudan (1992-1996), Planning department FNC HQ (1996-1998).</i>
1983-1985	<i>Section Manager, Kenana Sugar Company</i>

### Detailed working experiences relevant to climate change provided in the sections below:

#### Climate change vulnerability and adaptation

Year	Working experience
2014	<i>Preparation of a project document on ecosystem based adaptation for the White Nile State of Sudan covering water and agricultural sectors</i>
2011-2013	<i>Preparation of Sudan's National Adaptation Plan (NAP), sponsor by UNEP. The plan covers, water, agriculture and food security and health sectors in the 18 states of Sudan.</i>
2011-2012	<i>Study on ecosystem based adaptation for the Red Sea coastal zone of Sudan, to address the impacts of climate change, sponsor by UNEP</i>
2008-2011	<i>Preparation of Sudan's Second National Communication to the UNFCCC, sponsor by GEF/UNDP</i>
2008-2011	<i>Assessment of the vulnerability of the Red Sea Coastal zone of Sudan to the impacts of climate change and Sea level rise, sponsor by PERSGA</i>
2008-2011	<i>Assessment of the impacts of climate change on the Nile water resources, sponsor by GEF/UNDP</i>
2008-2009	<i>Preparation of the first NAPA implementation project covering four states in Sudan and two sectors, water and agriculture using programmatic approach, sponsor by GEF/UNDP</i>

2004-2007	<i>Preparation of Sudan's National Adaptation Programme of Action (NAPA), sponsor by GEF/UNDP</i>
2002-2005	<i>Implementation of a research Project "Environmental Strategies for Increasing Human Resilience to Climate Change in Sudan: lessons for climate change adaptation in north and east Africa" (ALACC_AF14) which was part of the Global project on Assessment of Impacts and Adaptation to Climate Change (ALACC) in Multiple Sectors and Regions sponsor by GEF, USAID and other donors and implemented by UNEP</i>
2001	<i>Participated in the IPCC sessions for approval the contributions of the IPCC WGII (impact, vulnerability and adaptation to climate change) to Third Assessment Report, Geneva, Switzerland (2001) and to the Fourth Assessment Report, Brussels (2007).</i>
1998-2003	<i>Preparation of Sudan's Initial National Communication to the UNFCCC, the project focused on building capacities of Sudanese experts in the areas of assessment of impacts, vulnerability and adaptation to the impacts of climate change.</i>

### Greenhouse gases inventory and mitigation

Year	Working experience
2013	<i>Preparation of a climate change mitigation project concept on promoting the use of electric water pumps for irrigation in Sudan (using solar energy instead of diesel)</i>
2013	<i>Preparation of the section on the Development of a National Forest Reference Emission Level and/or a Forest Reference Level of the Sudan REDD Plus Readiness Preparation Proposal (RPP)</i>
2012	<i>Preparation of a project document on NAMA framework and proposal for a low carbon development strategy for Sudan, is under implementation now</i>
2008-2011	<i>Sudan's GHGs inventory and mitigation analysis, for the second national communication to the UNFCCC, covering energy, industry, agriculture, forestry and waste sectors</i>
2010	<i>Preparation of the project document on carbon sequestration in Butana area in east Sudan for the IFAD. The project has been approved by the GEF and is being implemented now</i>
2010	<i>Raised funding and initiated the work on technology need assessment for climate change adaptation and mitigation in Sudan</i>
2005-2011	<i>As a member of the methodology panel of the CDM (2005-2011) participated in the review/ approval process for about 12 CDM methodologies</i>
2005-2012	<p><i>As certified reviewer and member of the Expert Review Team (ERT) of the UNFCCC responsible for the review of the annual greenhouse gases inventory reports of Annex I (developed) countries, participated in the following:</i></p> <ul style="list-style-type: none"> <li>▪ <i>As a member of the ERT in the centralized review of France, Sweden, New Zealand, Italy, and Lithuania (2004).</i></li> <li>▪ <i>As a lead reviewer in the Expert Review of the Information on Forest Management Reference Levels of Australia, Finland, Sweden, Liechtenstein, Iceland, Norway and Canada organized by the UNFCCC (2011)</i></li> <li>▪ <i>As a lead reviewer in the expert review teams conducted the in-country review in the Czech Republic (2006), Greece (2008) and Hungary (2010) and;</i></li> <li>▪ <i>As a lead reviewer in the centralized review of Sweden, France, Portugal, Monaco and Liechtenstein (2011).</i></li> <li>▪ <i>As a lead reviewer in the review of forest management reference level of Sweden, France, Norway, Australia, Liechtenstein and Iceland (2011)</i></li> </ul>

	<ul style="list-style-type: none"> <li>▪ As a member of the in-country review teams for Estonia (2005), Germany (2007) and Finland (2012).</li> <li>▪ As a lead reviewer in the in-country review team of the national communication of the USA (2012).</li> <li>▪ As a member of the ERT in the centralized review of European Union, Slovakia, and Japan (2014).</li> </ul> <p>(All reports are published in the climate change convention website: WWW.UNFCCC.INT).</p>
2004-2010	Successfully passed the examinations of six mandatory courses of the UNFCCC and Kyoto protocol to qualify for a certified reviewer and lead reviewer of the GHGs inventory reports of the developed (Annex I) countries.
1998-2002	Sudan's GHGs inventory and mitigation analysis, for the initial national communication to the UNFCCC. The inventory covered the energy, industry, agriculture, forestry and waste sectors and the mitigation covered energy, forestry and rangelands sectors
2006	Regularly participating in the annual meetings of the Lead Reviewers of the ERT of the UNFCCC since 2006 till present

### The climate change negotiation, membership in the UNFCCC and the IPCC bodies

Year	experiences
2014	Sudan has been elected to Chair of the African Group of Negotiators (AGN) under the UNFCCC and I have been designated as the Chair of the AGN during Sudan tenure (2014-2015).
2003-2014	Participated in all meetings of the subsidiary bodies of the Convention and the conferences of parties since 2003, I was a member of the small team of the G77 and China, negotiated the Lead Developed Country's Fund (LDCF). I was the lead negotiator for Africa on Nairobi Work Programme till Nairobi 2006 and the technology transfer framework till Bali 2007. I have continuously co-chaired negotiating groups on methodological issues (e.g. inventory reporting and review, IPCC methodologies etc) in subsequent sessions since 2006. I was also a member of the coordination team of the African Group negotiated the mitigation issues under the Bali Action Plan.
2012	Member of the Technology Executive Committee (TEC) of the UNFCCC Technology Mechanism (2011-2014). TEC is the policy and strategic advisory component of the Technology Mechanism of the Convention
2010	Participated in the workshop on consensus building in the climate change negotiations, organized by the UNITAR and the UNFCCC secretariat in Cancun for all co-chairs and facilitators of the UNFCCC negotiations
2010	Member of the Steering Committee of the Global Technology Needs Assessments (TNAs) project, representing the EGTT, a project funded by GEF and implemented by UNEP, provided support for 36 developing countries to prepare their TNAs.
2004	Member of the Expert Group on Technology Transfer (EGTT) 2004-2011, In 2010 elected as a vice Chair of the EGTT.
2009	When Sudan was elected as the Chair of the Group 77 and China (2009) I was the main advisor of the chair, responsible for the coordination of the Group during the six conferences organized in that exceptional year of the climate change negotiation, ended in the famous Copenhagen Conference.
2004-2011	Participated in number of expert meetings of the IPCC, e.g. scoping meeting of the 2006 IPCC GHGs inventory methodology, IPCC software for GHGs inventory, etc

2003	<i>Member of Editorial Board for Emission Factors Database of the National GHG Inventory Programme of the Intergovernmental Panel on Climate Change (IPCC) and from 2008 elected as a co-chair for the board till 2014</i>
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### Climate change publications and technical reports

Year	document
2015	<i>Sumaya Zakieldeen and Nagmeldin G. Elbassan (2015) Climate Change Impacts, Vulnerability and Adaptation in Sudan. Sudan Academy of Science Journal – Special Issue (Climate Change), Vol.11, 2015, 217-233.</i>
2014	<i>Sudan's National Adaptation Plan (awaiting government endorsement)</i>
3013	<i>IPCC 2013 Revised Supplementary Methods and Good Practice Guidance Arising from the Kyoto Protocol (a lead author)</i>
2013	<i>HCENR (2013) Climate Change Impacts and Opportunities for Biodiversity and Ecosystems (2013). Prepared for the project "National Biodiversity Planning to Support the Implementation of the CBD 2011-2020 Strategic Plan in the Republic of Sudan"</i>
2012	<i>Sudan's Second National Communications (UNFCCC Website)</i>
2007	<i>Sudan' National Adaptation Programme of Action (UNFCCC Website)</i>
2006	<i>2006 IPCC Guidelines for GHG Inventory Methodology (a lead author)</i>
2005-2012	<i>The UNFCCC inventory review reports of Czech Republic (2006), Greece (2008) and Hungary (2010), Sweden, France, Portugal, Monaco and Liechtenstein (2011). In addition to the review reports of Estonia (2005), Germany (2007) and Finland (2012) and also the review report of the US national communication (2012). (All reports are published in the climate change convention website: WWW.UNFCCC.INT)</i>
2007	<i>Zaki-Eldeen, S and Elbassan, N. G. The Sudanese NAPA the process of preparation, the findings and the lessons learned, Tiempo journal issue number 65 October 2007 <a href="http://www.tiempocyberclimate.org/">http://www.tiempocyberclimate.org/</a></i>
2005	<i>Working Paper No. 17: Sustainable livelihood approach for assessing community resilience to climate change: case studies from Sudan. B. Osman, N.G. Elbassan, H. Ahmed, and S. Zakieldin. August 2005. (ALACC Project No. AF14). <a href="http://www.aiaccproject.org/aiacc_studies/AF14.html">www.aiaccproject.org/aiacc_studies/AF14.html</a></i>
2005	<i>Working Paper No. 18: Methodological framework: an internal scoping report of the project Strategies for Increasing Human Resilience in Sudan: Lessons for Climate Change Adaptation in North and East Africa. E. Spanger-Siegfried, B. Dougherty, N. G. El Hassan, and B. Osman. August 2005.<a href="http://www.aiaccproject.org/working_papers/Working%20Papers/ALACC_WP_No018.pdf">http://www.aiaccproject.org/working_papers/Working%20Papers/ALACC_WP_No018.pdf</a></i>
2005	<i>Balgis Osman-Elasha, Nagmeldin Goutbi Elbassan, Erika Spanger-Siegfried, Bill Dougherty, Ahmed Hanafi, Sumaya Zakieldeen, Amin Sanjak, Hassan A. Atti and Hashim M. Elbassan. Adaptation strategies to increase human resilience against climate variability and change: Lessons from the arid regions of Sudan. ALACC Working Paper No. 42. <a href="http://www.aiaccproject.org/aiacc_studies/AF14.html">www.aiaccproject.org/aiacc_studies/AF14.html</a></i>
2005	<i>Spanger-Siegfried, E. Hanafi, A. Zaki-Eldeen, S. Goutbi Elbassan, N and Osman, B. (2005) The Role of Community-Based Rangeland Rehabilitation in Reducing Vulnerability to Climate Impacts: Summary of a Case Study from Drought-Prone Bara Province, Sudan. Prepared for the IC/IISD/IUCN/SEI project on Climate Change, Vulnerable Communities and Adaptation. 2005. <a href="http://www.aiaccproject.org/aiacc_studies/AF14.html">www.aiaccproject.org/aiacc_studies/AF14.html</a></i>
2003	<i>Sudan's Initial National communication to the UNFCCC</i>
2003	<i>Effective Participation by Africa in the IPCC Assessment Processes is Highly Needed, a paper</i>

*published in the Impact Newsletter of Climate Network Africa, Special Edition, November 2003*

## Other relevant areas of work

### Working Experience

*The Environmental Impacts of El Gash River Flood of 2003 on Kassala Town, East Sudan, October 2003. A study report prepared by a team of experts from relevant ministers and national institutions for the Ministry of Environment and Physical Development*

*A Preliminary Economic and Environmental Study for the Establishment of a Pesticides Formulation Plant in Sudan (2003). A study report prepared by a team of experts from relevant ministers and national institutions for the Ministry of Agriculture and Forestry and the Agricultural Bank of the Sudan*

*Member of the National Technical Committee for Environmental standards Of the Sudanese Standards and Metrology Organization, (2002-2007). I have participated in the preparation of more than 13 environmental standards published by the Sudanese Standards and Metrology Organization.*

*Technical Report on Community- Based Natural Resource Management in Sudan (2000), prepared jointly with other two consultants for the IGAD organization*

*Member of the Technical Committee of Project “Barriers Removal for Penetration of Photo Voltaic Technologies in the Sudanese Market” (2002-2006)*

*Member of the Sudanese Environmental Conservation Society and currently a member of its present Executive Committee (2012-2014)*

*I have participated in number of specialized training events, inside and outside Sudan, on climate change related issues, project planning and management, environmental impacts assessment, multilateral environmental agreements and sustainable development process.*

**Languages:** English (fluent). Arabic (mother tongue)

**Date of birth:** 26 August 1958

**Nationality:** Sudan

**Family status:** Married, four children