

## Prof. Daniel Ochieng Olago

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### Education

1996 D.Phil. Physical Geography, University of Oxford  
1992 MSc Geology, University of Nairobi  
1989 BSc (First Class) Geology/Physics, University of Nairobi

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### Professional Experience

2021-present Chairman, Department of Earth & Climate Sciences, University of Nairobi  
2020-present Research Director, Institute for Climate Change & Adaptation, University of Nairobi  
1995-present Academic staff, Department of Geology, University of Nairobi  
2012-2020 Coordinator, Institute for Climate Change & Adaptation, University of Nairobi  
1997-2006 Programme Officer, Pan African START Secretariat  
2007-2011 Chairman, Geological Society of Kenya

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### Publications (Selected from 156 total)

Githiora-Murimi, Y.W., Owuor, M.A., Abila, R., Olago, D. and Oriaso, S. (2022) Integrating stakeholder preferences into ecosystem services mapping in Yala wetland, Kenya. *Ecosystems and People*, Vol. 18 (1), 146–163 <https://doi.org/10.1080/26395916.2022.2039774>

Syvitski, J., Ángel, J.R., Saito, Y., Overeem, I., Vörösmarty, C.J., Wang, H. & Olago, D. (2022) Earth's sediment cycle during the Anthropocene. *Nat Rev Earth Environ* 3, 179–196 (2022). <https://doi.org/10.1038/s43017-021-00253-w>

Maingey, Y., Opondo, M., Olago, D., Ouma, G. (2022) The impacts of increasing water scarcity and the potential for water-related conflict in Lamu, Kenya. *Water Supply* (2022) 22 (2): 1983–1994. <https://doi.org/10.2166/ws.2021.299>

Odada, E., **Olago, D.O.** and Olaka, L.A. (2020) An East African Perspective of the Anthropocene. *Scientific African*, 10: e00553, <https://doi.org/10.1016/j.sciaf.2020.e00553>.

**Olago, D.O.** (2018) Constraints and solutions for groundwater development, supply and governance in urban areas in Kenya. *Hydrogeology Journal*, 27(3), 1031-1050. <https://doi.org/10.1007/s10040-018-1895-y>.

Campos, L.C., Olago, D., Osborn, D. (2022) Water and the UN sustainable development goals. *UCL Open Environ*. Vol. 4. DOI: 10.14324/111.444/ucloe.000029

Tanui, F., Olago, D., Dulo, S., Ouma, G. and Kuria, Z. (2020) Hydrogeochemistry of a strategic alluvial aquifer system in a semi-arid setting and its implications for potable urban water supply: The Lodwar Alluvial Aquifer System (LAAS). *Groundwater for Sustainable Development*. <https://doi.org/10.1016/j.gsd.2020.100451>.

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### Projects, funding bodies and collaboration

- 1) Jun 2018 – Present: PI & Manager, **African Great Lakes Information Platform: An open, shared and relevant IT platform for state-of-the-art knowledge and information sharing, learning and action.** Established with two-year seed funding from The Nature Conservancy (TNC). University of Nairobi Institute for Climate Change and Adaptation (ICCA) & School of Computing and Informatics (SCI). <https://www.africangreatlakesinform.org/>

- 2) Jun 2015 – May 2024: co-PI, **REACH, Improving Water Security for the Poor**. Improving Water Security for Poor People Research Project (IWSP Research). Funded by UK-DFID/UK-FCDO. Project. Amount awarded: GBP 14,992,484. <https://reachwater.org.uk/>
- 3) Oct 2017 – Dec 2021: co-PI, **GCRF - Training for Development: East African Growth Corridors and the China to Africa connection**. Funded by GCRF, UK. Amount awarded: £4,217,478. <https://developmentcorridors.org/>
- 4) Jan 2015 – Dec 2021: co-PI, **Sustaining urban groundwater-fed water supplies and sanitation systems in Africa**. Awarding body: Royal Society-DFID Capacity Building Initiative - Programme Grant award. Amount awarded: GBP 1,185,845. <http://afriwatsan.org/>
- 5) Apr 2014 – Mar 2019: co-PI, **Groundwater risk management for growth and development (GRo for Good)**. Awarding body: UPGro (Unlocking the Potential for Groundwater for the Poor - sub-Saharan Africa), funded by the UK Department for International Development (DFID), the Natural Environment Research Council (NERC) and the Economic and Social Research Council (ESRC). Amount awarded: GBP 1,896,000. <https://upgro.org/consortium/gro-for-good/>

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### Other relevant experience and professional associations

**Professional associations:** Fellow of the Geological Society of Kenya; Fellow of the African Academy of Sciences; Fellow of the Kenya National Academy of Sciences; Fellow of The World Academy of Sciences; Member of the International Association of Hydrogeologists; Member of the International Lake Environment Committee (ILEC).

**Editor** - Africa Journal of Physical Sciences (AJPS – University of Nairobi). **Associate Editor** – Frontiers Water and Climate Change Journal.

**Current reviewer for:** Hydrogeology Journal, Scientific African, Palaeoecology of Africa, Quaternary International, Lakes and Reservoirs – Research and Management; Journal of Hydrology, Hydrological Sciences Journal, Hydrology and Earth System Sciences (HESS), others.

### Experience in capacity building and knowledge synthesis

- University postgraduate students: 4 post-doctoral fellows; 13 PhD, 34 Masters at University of Nairobi
- Contribution as Lead Author to Intergovernmental Panel on Climate Change Assessment Reports (AR4 and AR6); UNEP-GEO reports, and others
- Resource person in a number of short-courses for professionals and postgraduate students (hydrology, lake basin management, environmental management, climate change and adaptation, others)
- Capacity building in global environmental change research, networking and partnership-building between scientists and decision-makers
- Planning and organizing of workshops, conferences, meetings, training activities, and activity scheduling

**Key research partners/collaborations:** The University of Oxford (UK), University College London (UK), Makerere University (Uganda), Universite de Chiekh Anta Diop (Senegal), International Lake Environment Committee (Japan), UNICEF Kenya, IRD East Africa, University of York (UK), University of Cambridge (UK), Africa Conservation Centre (Nairobi), Sokoine University (Tanzania), CAAS (China), Bangladesh University of Engineering and Technology (Bangladesh), Network of African Science Academies (NASAC).