

Space-based technologies for flood management in African cities

Authors: Elisabeth Bergler, Victor Hertel and Verena Mrak

An empirical study in collaboration with the Regional Academy on the United Nations and the United Nations Office for Outer Space Affairs.

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Africa's urban population is among the fastest growing in the world (1) and is facing increasing flood risks (2).

Space-based technologies contribute to effective flood management, climate-resilient urban planning and city governance (3)

(1) UN Habitat (2020): *COVID-19 in African Cities: Impacts, Responses and Policies*.

(2) Salami, R.O., Von Meding, J.K. & Giggins, H. (2017): *Urban settlements' vulnerability to flood risks in African cities: A conceptual framework*, Jàmbá: Journal of Disaster Risk Studies 9(1), a370

(3) Filho, W.L., Balogun, A.-L., Ayal, D.Y., Bethurem, E.M., Murambadoro, M., Mambo, J., Taddese, H., Tefera, G.W., Nagy, G.J., Fudjumdjum, H., Mugabe, P. (2018): *Strengthening climate change adaptation capacity in Africa- case studies from six major African cities and policy implications*. Environmental Science & Policy 86, 29–37.

Research Aim:

Investigate the use of space-based technologies for flood management in urban settings across Africa;

Identify gaps and potentials of UN- and non-UN collaboration for flood risk management

Methodology:

Semi-structured interviews with experts on space-based technologies, flooding, urban planning, risk management and emergency response

Interview partners can have work experience in or with a UN- and non-UN organisation

Interview phase currently running!

Note: All data collected will be anonymised. Results and final paper will be publicly available online in December 2020 via ra-un.org/publications

If you are interested in sharing your perspective and experiences, we would be delighted to receive your e-mail to:

elisabeth.bergler@aon.at,
victor.hertel@web.de,
verena.mrak@gmail.com