

Project Name or Description:	The Climate and Ocean Risk Vulnerability Index in East Africa
Company Name:	Stimson Center
Address:	1211 Connecticut Ave NW, 8th Floor
City, State, Zip Code:	Washington, DC 20036
Contact Person:	Jack Stuart
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Background/Introduction

In response to the climate crisis, the Stimson Center has developed the Climate and Ocean Risk Vulnerability Index (CORVI). CORVI is an innovative tool which compares a diverse range of economic, social, and environmental risks to produce a coastal city risk profile. By combining empirical and expert survey data across 10 categories and close to 100 indicators, CORVI gives critical insights into the challenge's cities face.

After successful pilot projects in Castries, Saint Lucia and Kingston Jamaica, CORVI has expanded to East Africa, Asia, and the Pacific, working in five additional coastal cities. For more information on the project and its methodology, please see the first [CORVI report](#).

For three decades, Stimson has been a leading voice on urgent global issues. Founded in the twilight years of the Cold War, the Stimson Center pioneered practical new steps toward stability and security in an uncertain world. Today, as changes in power and technology usher in a challenging new era, Stimson is at the forefront: Engaging new voices, generating innovative ideas and analysis, and building solutions to promote international security, prosperity, and justice.

For more information about Stimson, visit www.stimson.org.

Project Goals and Scope of Services

The Stimson Center and the Western Indian Ocean Marine Science Organization (WIOMSA) are conducting two CORVI assessments in Mombasa and Dar es Salaam. By integrating information and resilience work already underway across the land-seascape, these projects will culminate in innovative new datasets and a risk profile that can be used to prioritize further resilience actions, provide evidence to upscale projects, and access additional climate finance.

Ultimately this project will provide critical data and insights which can be used by city and national governments in Kenya and Tanzania to effectively advocate for additional funding and make smart decisions on how to build resilience where it matters most. International development organizations and financial institutions can also use CORVI to highlight the need for early and concerted investment into high risk areas.

The Stimson Center is seeking a consultant to contribute to the CORVI East Africa project. The researcher will serve as the climate scientist for the project. Specifically, the researcher will collaborate with CORVI Project Team Members, including Director of Stimson's Environmental Security program Sally Yozell and Stimson Research Associate Jack Stuart, to collect, synthesize, and analyze a wide variety of climate and ocean data.

Specific Duties:

<ul style="list-style-type: none"> Utilizing international datasets including the Climate Hazards Infrared Precipitation with Stations (CHIRPS) rainfall dataset , the NASA MERRA-2 Reanalysis dataset , the NOAA National Climatic Data Center Extended Reconstructed Sea Surface Temperature (ERSST v4) dataset, and Digital Elevation Models, calculate yearly country estimates for a range of phenomena including sea-surface temperatures, sea-level rise projections, and the number of wet days, floods, and droughts for ten countries in East Africa. Consultant will also be consulted for analysis on the findings gathered through the research. Recommendations from this analysis will be included in the final report.
Anticipated Selection Schedule
<p>Open – February 8-21, 2021</p> <p>Prospective candidates can submit questions to Jack Stuart (jstuart@stimson.org) within this time</p> <p>Interviews to take place between February 22 – 26, 2021</p>
Time and Place of Submission of Proposals
Interested experts should submit their application by email to Jack Stuart (jstuart@stimson.org) by February 21, 2021.
Timeline
Consultant would be contracted for approximately 80 hours between March 1, 2021 – June 30, 2021
Elements of Proposal
<p>Consultant should attach the following two documents to their submission email:</p> <ul style="list-style-type: none"> Resume/CV Example of previous work which highlights their ability to analyze similar datasets outlined under the specific duties section and connect quantitative research methods to actionable policy recommendations
Evaluation Criteria
Candidates will be evaluated by their demonstrated technical skills, regional expertise in East Africa, and their ability to translate technical analysis into policy relevant research.
Possible Roadblocks
N.A.
Budget
<ul style="list-style-type: none"> Consultant expert will be contracted for a maximum of 80 hours between March 1, 2021 – June 30, 2021. Compensation will be commensurate with experience. Consultant will invoice on a monthly basis and provide an hourly breakdown of their activities.