



Supporting the development of a Children's Vulnerability to climate change index in Uganda.

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All countries are facing challenges from climate change and some countries, and children within those countries, are more at risk of the impacts of climate change than others. Moreover, some countries have in place mechanisms that can mean that human populations are more resilient and more able to address the negative effects of climate change. The Children's Climate & Environment Risk Index (CCERI) is being developed at the national level for all countries around the World by a multidisciplinary team of scientists and UNICEF. The index aims to capture children specific exposure to climate-related and environmental hazards, the degree to which they are vulnerable, and the degree to which countries are resilient. This internship project will support the PI (Dr. Gary Watmough) to develop a subnational children's vulnerability index in Uganda by combing multiple data sets from a range of sources. These sources will include remotely sensed data products (land cover, population estimations, accessibility estimations) as well as open data from UN agencies on poverty and wellbeing. To do this, the intern will help (1) support a literature review on vulnerability/risk to climate change in Uganda for children as well the following; (2) identify and collate potential geospatial datasets that could be used to estimate vulnerability sub-nationally, and: (3) clean data sets and map using ArcMap/QGIS the datasets in Uganda.

