

Geospatial Information and Services for Climate Resilient Disaster Management



Edited by
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Nick P. Bassill



GEOSPATIAL INFORMATION AND SERVICES FOR CLIMATE RESILIENT DISASTER MANAGEMENT



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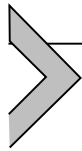
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Community engagement and education for navigating economic instability and inequality in the face of climate change

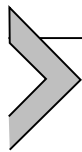
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9.1 Introduction

Climate change, primarily propelled by anthropogenic factors including the combustion of fossil fuels (IPCC, 2018), deforestation (Le Quéré et al., 2020), and industrialization (Steffen et al., 2015), has risen to prominence as one of the paramount global dilemmas of our era. Its pervasive impact extends to ecosystem disruption, the transformation of meteorological patterns, and the jeopardy it poses to the equilibrium of global economies and societies at large (Hansen et al., 2016; IPCC, 2021; Millward-Hopkins & Oswald, 2023). As the discernible repercussions of climate change continue to manifest, it becomes imperative to scrutinize its extensive ramifications for economic instability and inequality (Burke et al., 2015; Hsiang et al., 2017). Climate change refers to long-term changes in Earth's climate, including shifts in temperature, precipitation, and weather patterns. Scientific evidence overwhelmingly attributes recent global warming to human activities, particularly the emission of greenhouse gases. The consequences of climate change are wide-ranging and complex, affecting multiple sectors of the economy and posing significant challenges to sustainable development.