

SUS11

Managing Electronic Waste After Disasters: Strategies for Recovery and Sustainability in California

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Abstract

California faces growing challenges in managing electronic waste (e-waste) after disasters. Improper disposal hampers recovery, leading to severe environmental and economic impacts. This research focuses on innovative, citizen-centered strategies that integrate logistics, behavior, and community engagement. Using advanced data analytics, I aim to improve methodologies for assessing e-waste quantity and distribution post-disaster. Using historical data will help forecast e-waste generation patterns, while collaborations with residents, government, non-profits, and businesses aim to reduce improper disposal. This multidisciplinary approach combines insights from supply chain management, social sciences, and urban planning to enhance resilience and sustainability in post-disaster recovery efforts.

Conference Track

Sustainability Issues in Decision Making