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# ***Applications of GIS and GPS technology for extension in the Caribbean: Identifying sustainable practices in Trinidad and Grenada***

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## **Abstract**

*Technology changes the organizational structure and roles of employees in the workplace. Many researchers in the Caribbean are now incorporating GIS and GPS technologies into their field work, but there is little collaboration or communication that could lead to wider use and long-term sustainability. The use of GIS and GPS in the Caribbean can therefore be best described as sporadic and disconnected. In a 2008 GIS training workshop in Trinidad, and a 2009 workshop in Grenada, participants were given the opportunity to learn how to integrate GIS, GPS, and multimedia into everyday extension practice. Post training responses reveal that extension officers are optimistic about the impacts of GIS on their jobs. Participants identified GPS and multimedia as tools that enabled optimal use of time in the field, and encouraged collaboration. This paper reviews cost-effective sustainable solutions for innovative extension practices for the Caribbean.*