

Review of: "Cloud-based geospatial services for building capacity and safeguarding heritage in climatically marginal landscapes"

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Potential competing interests: No potential competing interests to declare.

This is a meaningful study. The author introduces five tools written in GEE, demonstrating the universality of spatial cloud computing and remote sensing - they provide a way to communicate the threats posed by floods, erosion, and sand dune movement to heritage, as well as rapid urbanization, making mitigation strategies more intelligent. Let us see the possibility of using technology to visualize and mitigate heritage threats in some of the most remote regions of the world and extreme climate conditions on Earth. There are several issues that still need further discussion:

1. Who are the 5 tools written by GEE introduced by the author for? Farmers or the government? In most impoverished and underdeveloped regions of the world, local residents (especially farmers) have not received education and face difficulties in living. They make every effort to maintain their livelihoods and have no ability or willingness to explore the issue of heritage protection. For local governments, they are more concerned with how to purchase and adopt this technology, that is, who comes and uses it, how to use it, and how to introduce it for effective management, rather than government officials learning this technology themselves. So, this article provides a detailed introduction to the application prospects of GEE in the most remote areas and extreme climate conditions on Earth, without discussing the fundamental question of how these technologies can truly be applied in these areas, whether through the market behavior of enterprises or the public welfare activities of public welfare organizations?

GEE is a great tool. Currently, it relies on many academic papers published by GEE, but it is essentially a commercial platform. How to apply it to real life requires the government, Google, other enterprises, scientists, ordinary residents, and other parties to jointly negotiate, and how to promote technology and enterprise development, achieving the unity of social and economic benefits.

Based on the above, I also hope to see a richer, broader, and deeper level of thinking in this article, not just at the technical level.