

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.

Cloud-based geospatial services for building capacity and safeguarding heritage in climatically marginal landscapes

Revision by Domenico Guida

The paper deals with the use of free or cheap cloud-based geospatial services to detect the impacts of climate change on two study areas. The two contrasting study locations were chosen as climate extreme and landscape change, the first one, a polar landscape and the second one a hot desert landscape with a research focus on increase local awareness and capacity to better preserve their cultural material and immaterial heritage, despite all type of current threats.

Although I have employed remote sensing in some of my interdisciplinary research papers, I am not a deep expert in the matter, nevertheless, the content was well illustrated and interesting for me.

The introduction to the Google Earth Engine was well presented largely in non-technical, easy to follow language. The practical application to two contrasting examples nicely highlighted how the technology, as the authors demonstrated, and in particular GEE could be enable powerful landscape-scale visualizations and analyses by querying archival imagery stored on Google's servers. could be used by local people, after appropriate formation.

In general, the paper deserves to be published in the current form, after corrections suggested by the reviewers. As a outsider within researcher, I felt that it was well written and presented in a highly accessible form, usefull also for educational activities in marginal place in other countries, not necessarely in extreme climate and rapidi landscape change, as suggested by Biospher 2 UNESCO Initiative (simple, cheap and interoperable).