

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

This was an interesting treatise about how it might be possible to use free or cheap cloud-based geospatial services to examine the impacts of climate change. Two contrasting study locations were chosen, from a polar landscape and a hot desert landscape with a research focus investigating preservation of heritage in the face of climate extreme and change.

Although I have employed remote sensing in some of my own research, I am by no means an expert. So, I was pleased the content was not overly technical and tried to present a balanced assessment of the capabilities of the technology, the ease of use and what sort of things it enabled the researchers to accomplish.

The introduction to the Google Earth Engine was presented largely in non-technical, easy to follow language. The practical application to two contrasting examples nicely highlighted how the technology could be used.

Overall, I am very happy to see this published. As a lay person I felt that it was well written and presented in a highly accessible form. There is clear potential in this technology, though the authors also addressed key limitations in what was a well-balanced and thoughtful piece of work. I have no substantive changes to suggest (a very rare event!). The authors are to be commended for an excellent and thought-provoking piece of work - it deserves to attract wider attention.

Minor corrections

p.1 and the Triangle of Hope in Mauritania

p.3 "Each of these regions" – what regions? If you mean one in Alaska and one in Mauritania then it's "Both of these regions"

Linares Matas, 2022). (insert full stop)

p.4 vehicles

satellite data have

remotely sensed data have

United Nations' 17

UAS-acquired imagery. (insert full stop)

p.10 combined to each year ?

p.11 what is a Geo Tiff?

p.14 Another regional threat ? You haven't discussed regional threats in the context of the Sahara so how can there be 'another threat'?

what is a 'ksar'?

p.15 the city (Marvin, Insert space

with very little change around

p.16 compared with