

Endangerments surrounding the tangible heritage in Sudan and the desired solutions through modern technologies

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The tangible heritage in Sudan is exposed to a number of problems that have strongly affected its sustainability. There are many sites that have been lost and destroyed due to these problems surrounding this heritage. These problems can be summarized in some points:

The biggest threat of tangible heritage is the natural disasters. In Sudan, they represented in floods and dredger torrents during the rainy season. There are a number of archaeological sites have influenced by strong waves of floods, which affected them greatly and created a moisture that would be affected in the long term. Hence, there is a necessity to use modern technologies to confront such a danger after treating their current situation by stopping the effect of the humidity.

The second big problem facing some archaeological sites in Sudan is the height of groundwater that became an obstacle even during the excavations and study. Here, the importance of using modern technologies is embodied in finding radical solutions to making strong barriers that could be able to stop the water leakage.

The third danger is the desertification that has swallowed a number of large archaeological sites. It is necessary to show the ingenuity of science and scientists in confronting this great hazard, because there are some sites would be ingested absolutely.

There are human problems that led to the destruction of several archaeological sites, they represented in development projects such as dams, agricultural schemes, residential projects, in addition to classic gold mining, and this last danger is the major catastrophe that would be led to the disappearing of the archaeological sites. Because of the lack of adequate oversight, we need an authentic smart monitoring system that plays a strong role in protecting these archaeological sites.

Finally, we can say that we need tight technical systems that can stand up to this rapid deterioration of the tangible heritage in Sudan.



Sample of affection by Flood.



The sands about to ingest the site.



Catastrophe of the classic gold mining.