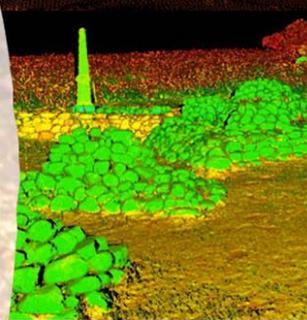


African Conservation Trust Digital Mapping Unit (DMU)



WHO WE ARE

The African Conservation Trust (ACT) is an established non-profit and public benefit organisation in South Africa that has been operating since 2000. At the core of ACT's activities the conservation of our environment, natural resources and cultural heritage. ACT is an Evaluated Charity with the American Fund for Charities (Membership No: AFC845) and donations are tax deductible to the extent allowed by US law. ACT is also a member of the International Union for Conservation of Nature (IUCN).

WHAT WE DO

ACT's DMU has worked on a variety of projects that include:

Rock Art

ACT and UKZN used laser scanning to document ancient San rock art in the Drakensberg Mountains and Kruger National Park, as well as unique petroglyph sites in the Rooipoort Nature Reserve in the Northern Cape.



Historic Buildings

Laser scanning was used to create permanent digital records of historic buildings. This data can be used for the conservation and restoration of these significant sites.



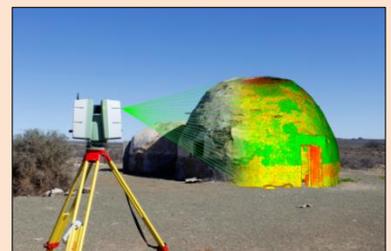
Battlefield Sites

Laser scanning in conjunction with GIS mapping was used to document historic battlefields from the Anglo-Zulu and Anglo-Boer wars. These technologies are providing new insights into the well-researched battles and are useful tools for education and tourism.



Threatened Local Architecture

ACT's DMU has been using scan data to assess the condition of threatened local architecture. The millimetre-accurate measurements can highlight the weak points of the building structure and can be used to inform management plans.



Iron Age and Significant Sites in the Kruger National Park

ACT has been active in the Kruger National Park, working with SANParks and the National Heritage Council in the digital documentation, aerial photography, image enhancement and site assessment of significant sites. The DMU has also successfully conducted exploration activities for undocumented sites.



To view a video of our projects follow the link: <https://www.youtube.com/watch?v=wi9UXUa-w8o&feature=youtu.be>

PARTNERS

Organisation	Relationship	Logo
University of KwaZulu-Natal	ACT works in close partnership with UKZN in its heritage documentation projects and is often involved in teaching and demonstrations at the University. The two organisations have an excellent relationship and have successfully implemented a number of large scale projects, including multi-million rand initiatives for the National Lottery Distribution Trust Fund.	
Amafa aKwaZulu Natali	Amafa is the heritage authority for the KZN province. ACT has worked closely with Amafa on previous projects documenting rock art in the Drakensberg World Heritage Site, historical buildings in Pietermaritzburg and uMgungundlovu Royal Homestead in northern KZN.	
KwaZulu-Natal Museum	ACT has worked closely with the KwaZulu-Natal museum on the rock art mapping project. The laser scan data, maps, photographs and archaeological records were all handed over to the museum for archiving and to assist in site management.	
Ezemvelo KwaZulu-Natal Wildlife	EKZNW is a governmental organisation tasked with maintaining wilderness areas and public nature reserves in KZN. ACT has worked with EKZNW on several heritage documentation and natural resource management projects.	
CyArk	CyArk is an American 501c3 non-profit organization with the mission of digitally preserving cultural heritage around the world using cutting edge technology. ACT and UKZN have formed a partnership with CyArk and have benefitted greatly through training and mentorship in 3D laser scanning and other technologies.	
Northern Cape Environmental Heritage Trust (NCEHT)	The NCEHT is a non-profit working to uplift local communities, protect the environment and conserve cultural and national heritage sites in the Northern Cape province. African Conservation Trust has partnered with NCEHT in a number of initiatives, including the documentation of corbelled houses found only in the Cape region.	

CONFERENCES, AWARDS & MEDIA

Our conservation work has appeared in a number of online and print media publications and academic journals. Team members have also presented and served as guest speakers at various conferences and presentations and our work has been recognised by local and international heritage bodies. Please consult our website, www.actheritage.org for more details.

MORE INFORMATION

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