



CARNARVON SKA VISITOR & COMMUNITY CENTRE

HIGH-END CONCEPT & VISION

March 2022

METZPROJECTS



Carnarvon SKA Visitor & Community Centre

THE VISION

An iconic attraction and landmark in the town of Carnarvon

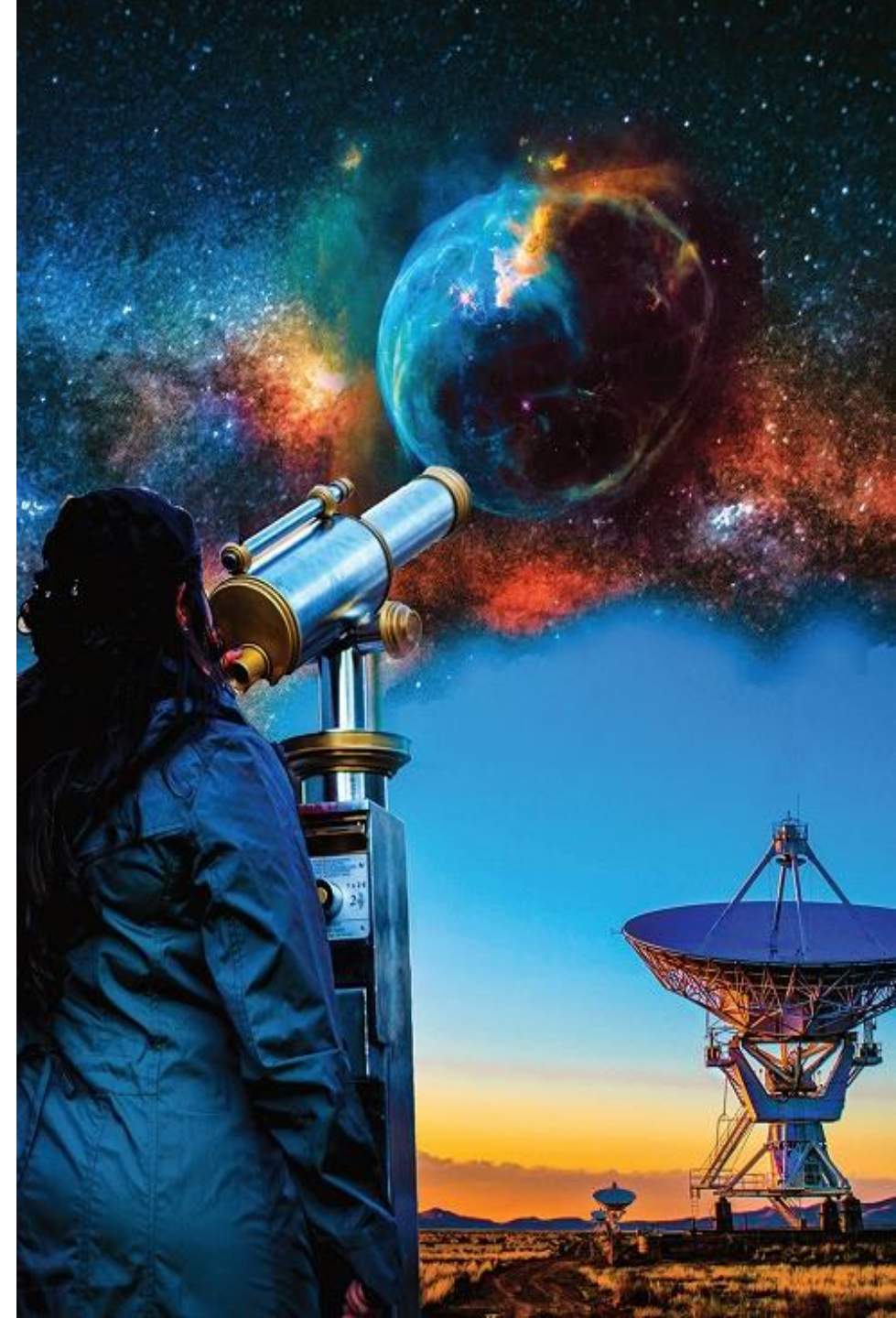
A place that is embraced, valued, and frequented by the Carnarvon Community

A place that is a must-see destination for visitors & tourists

A place that contributes to the social and economic development of the Carnarvon community

A place for promoting science education and awareness

A place for promoting an awareness and understanding of the SKA project



Carnarvon SKA Visitor & Community Centre

THE CONCEPT

A community and visitor centre themed on the exploration of **Place & Space**

Exploring where we come from:

Place: origins / home / belonging / heritage / history / legacy/ inhabited

Venturing to new places of discovery:

Space: frontier / intergalactic / astronomical / universe / galaxy / cosmos

A place of exploration and wonder

A place that sparks the imagination of young minds

A place that describes the deep past, makes sense of the present, and imagines where we might be going (....bridging Place & Space)

A place where we are inspired to think and imagine beyond what we know and can see



Carnarvon SKA Visitor & Community Centre

THE CONCEPT

Why Space?

The SKA Project aims at unravelling some of the abiding mysteries of space

From time immemorial, space has always captured the imagination

The technical and physical challenges of space exploration invite the application and demonstration of countless scientific phenomenon, real and theoretical

With climate change and the resultant existential crisis for humanity, the allure and fascination of space travel to alternative habitats is even more compelling

The science of space and space exploration is the new scientific, intellectual, economic, cultural and political frontier

Today's technologies enables us to experience space explorationwithout a rocket!



Carnarvon SKA Visitor & Community Centre

ACHIEVING THE OBJECTIVES AND THE VISION

Broadly, the Vision is to establish a sustainable magnet visitor & tourist attraction in Carnarvon that will also benefit local and regional communities through enhanced science education and economic opportunities, while promoting the SKA

To achieve this vision, the Centre must attract the optimum number of community members, as well as visitors & tourists

To attract the optimum number of community members, visitors and tourists, the Centre must offer a unique, compelling, educational and entertaining experience that will appeal to the broadest potential audience.

To deliver the intended unique, compelling, educational and entertaining experience, the facility must offer community, visitors and tourists, knowledge and insights that they could not gain in any other place



Carnarvon SKA Visitor & Community Centre

PROCESS TO DATE

Initiative to establish the Visitor Centre in Carnarvon began almost 10 years ago

A Feasibility Study was completed in February 2018

The Feasibility Study concluded that the proposed Carnarvon Science Centre would deliver on stakeholder needs and expectations, and that the Centre would/could achieve financial sustainability five years after its establishment

A consultant was appointed to:

- i. Review, assess and provide recommendations on the existing Feasibility Study
- ii. Provide a High-End Concept & Vision for the proposed Centre
- iii. Develop a detailed Business Plan for the establishment of the Centre
- iv. Prepare detailed service-provider Tender Documents for the establishment of the Centre
- v. Assist in the Assessment & Adjudication of potential service providers to implement the project



Carnarvon SKA Visitor & Community Centre

REVIEW OF THE FEASIBILITY STUDY

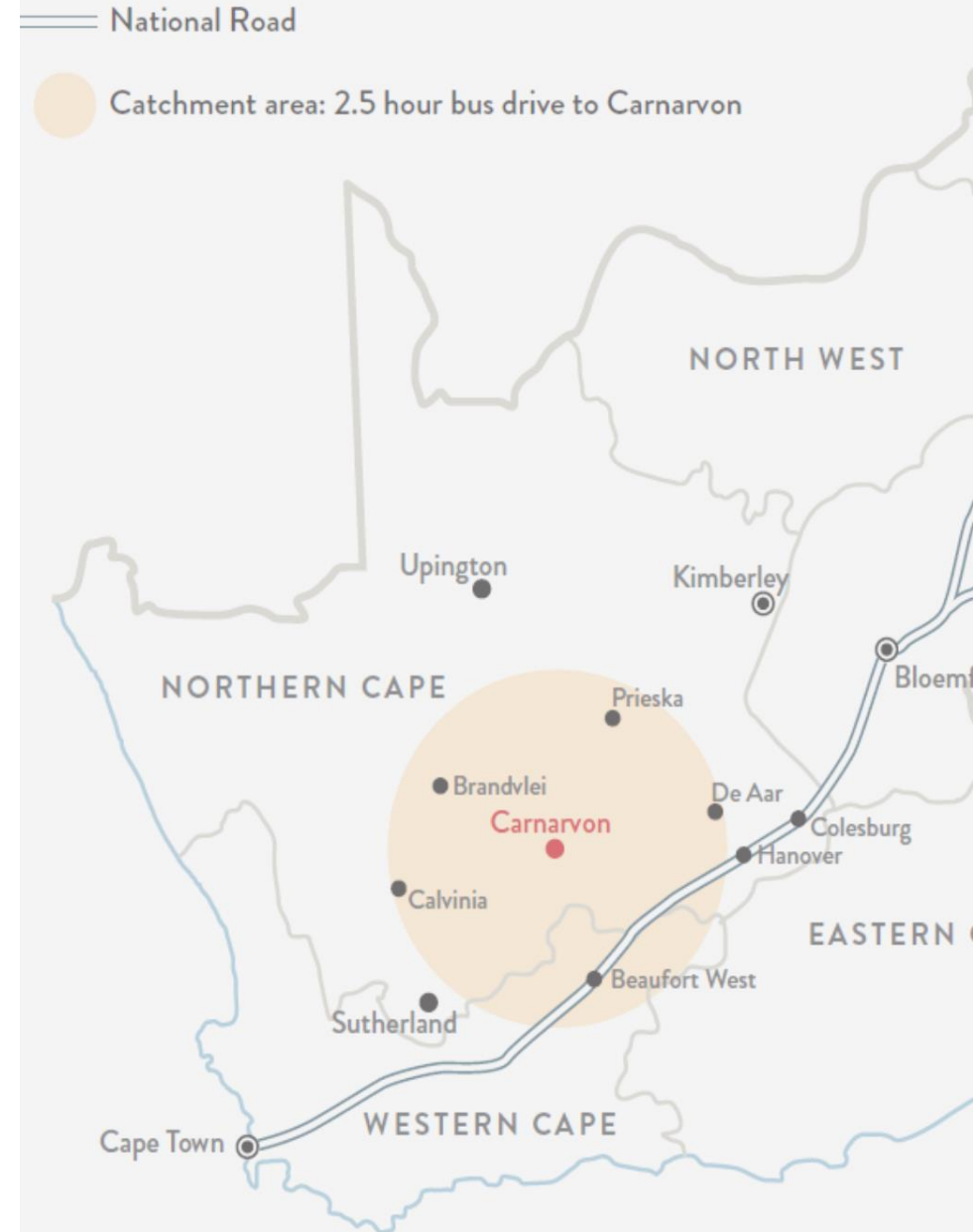
The Review questioned the assertions that:

- i. The establishment of a traditional Science Centre in Carnarvon would deliver on the imperatives and expectations of the primary stakeholders, and,
- ii. The Centre could be financially self-sustainable after 5 years of operation

Concerns relating to the Science Centre model as the primary attraction include:

- Carnarvon is too remote for potential visitors to travel to visit a Science Centre
- The population density of the catchment area around Carnarvon is too small to sustain regular daily visits by school groups
- Visiting learners from outside the catchment area would require overnight accommodation in Carnarvon. This is excluded from the current Project Scope of Work but subject to funding constraints.
- Generally, visitors from outside the Northern Cape would already have had the opportunity to experience a Science Centre at their points of origin

The Review however fully supported the proposal that the Centre have a strong focus on astronomy, science and technology



Carnarvon SKA Visitor & Community Centre

REVIEW OF THE FEASIBILITY STUDY

The Review further pointed out that the Feasibility Study only considered a traditional science centre as the proposed institutional model and not other alternatives that could perhaps deliver the stakeholder imperatives and expectations in a more successful and financially sustainable way

The Review proposed that the High-End Concept & Vision, as well as the Business Plan, fully consider other institutional models

The Review concluded that the content, quality and relevance of the proposed Centre displays, exhibitions and allied activities and programmes will be the most critical factor for the feasibility and sustainability of the project as it is these elements that determine the quality of the visitor experience

19	Dec-19	Jan-20	Feb-20	TOTAL
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85 092	85 092	85 092	85 092	1 021 100
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7 731	7 731	7 731	7 731	92 772
3 296	333 296	333 296	333 296	3 999 556
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6 010	6 010	6 010	6 010	72 117
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8 078	54 088	60 097	66 107	0
4 088	60 097	66 107	72 117	72 117

Carnarvon SKA Visitor & Community Centre

APPROACH : INFORMING FOUNDATIONS

The Centre conceptualisation must primarily be informed by stakeholder needs

The Centre must first & foremost serve the broader Carnarvon Community: if the community do not embrace the Centre, if they do not see tangible benefit, then they will not welcome outside visitors and tourists

The focus of the Centre must be much broader than science and astronomy in order to attract the optimum number of visitors and tourists

The opportunity to have a physical experience of the SKA site will be crucial for attracting visitors, and especially those interested in astronomy

It is essential that the Centre be linked to a range of complementary but diverse experiences in order to create a critical mass of interest, and attract the optimal number of visitors



Carnarvon SKA Visitor & Community Centre

PRIMARY STAKEHOLDERS

The primary project stakeholders include:

- The Carnarvon community
- Kareeberg Local Municipality
- The DSI/NRF/
- SARAO/ SKA
- National Department of Tourism
- Northern Cape Department of Economic Development & Tourism
- Northern Cape Department of Education
- Northern Cape Department of Sport, Arts & Culture
- Sol Plaatje University (to be confirmed)
- SANparks



Stakeholder Needs Analysis

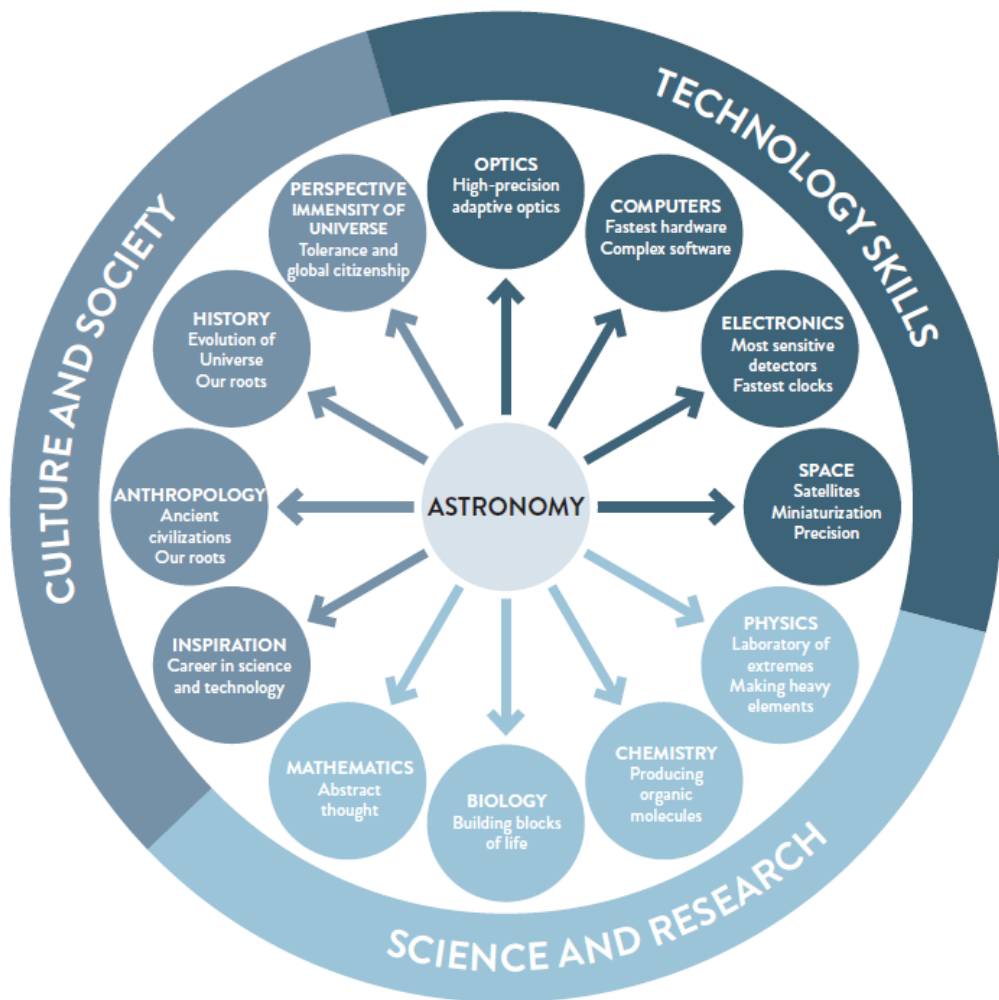
PRIMARY STAKEHOLDERS	STAKEHOLDER IMPERATIVES	REQUIREMENT	OUTCOME
SKA SARAO DSI NRF	Communication with both external (public, region, Africa, international) and internal stakeholders (government depts, science bodies, etc.) on the political, social, economic, and scientific value and benefits of the enterprise	An experience/exhibition on the science and story of the cosmos and space exploration with a specific focus on the SKA and its global significance in pioneering areas. Possible engagement with the SKA site Centre to also serve as a dynamic platform for the national, regional, continental, and international sharing and dissemination of information on the SKA project	The SKA initiative serves as the primary visitor drawcard for the proposed Centre offering a unique insight and experience
	Promotion of the public understanding of science, technology & engineering in South Africa	An interactive space & science centre with unique educational experiences, displays and apparatus, informed by the science of SKA and astronomy more broadly	An interactive space & science centre that offers a uniquely different experience to that of other interactive science centres in South Africa
Dept of Tourism (National) Northern Cape Tourism Authority	The Centre a magnet attraction in the Northern Cape for international, domestic as well as local tourists /visitors	The Centre offers a compelling & unique experience as part of a broader experience of other regional tourism attractions	The SKA initiative / space exploration story is packaged as the primary visitor drawcard for the proposed Centre
Northern Cape Department of Education	An experience to inspire, educate and expose learners and educators to the wonders of science, engineering & technology	A curated space offering an entertaining and educational learner- orientated experience of science, engineering and technology for N Cape and other learners Overnight accommodation for learners/ schools travelling from a distance The interactive space and science centre experience to be available to learners unable to travel to the Centre	A dynamic, changing and evolving interactive educational experience for learners, conceptualised, and designed in consultation with specialist educators. Dormitory type accommodation in proximity to the Centre Can also be packaged as a travelling experience for schools in the province and beyond.
Northern Cape Department of Sports, Arts and Culture	Promotion of indigenous knowledge systems & culture and understanding, interpretation, and communication of the cosmos	Documentation and integration of indigenous knowledge systems and interpretation into the Centre narrative and experience	A uniquely African and South African holistic narrative and interpretation of the cosmos

Stakeholder Needs Analysis

PRIMARY STAKEHOLDERS	STAKEHOLDER IMPERATIVES	REQUIREMENT	OUTCOME
Kareeberg Local Municipality Pixley Ka Seme District Municipality	Potential social and economic benefits accruing to communities from the increased economic activity generated by visitors to the Centre Spin-off benefits accruing to other local tourism destinations in proximity to the proposed Centre	An adequate footfall of visitors to the Centre (and especially overnight stays in the proposed accommodation facility and in the town/s) to generate the desired economic activity and allied benefits A designed set of interventions to ensure that the local community benefit from the increased economic activity generated by the Centre, including e.g., the incubation of local SMME's in the tourism and hospitality sectors Upgrading and maintenance of general infrastructure and services including roads, water, electricity, sanitation, waste management, landscaping, signage, safety and security, etc.	Economic opportunities and benefits arising from the increased economic activity generated by the spend of learners, educators, visitors, tourists, special interest groups, etc., to the Centre The accrual of knowledge, skills and experience in the tourism and hospitality industries for local community members to ensure direct and sustainable economic benefit Social and environmental benefits for local communities
Private & Corporate Sectors	Business opportunities that could accrue to local businesses and entrepreneurs Reputational benefit and prestige that can/will accrues to local businesses as well as national and international companies and corporations from an association with a visionary scientific project of global significance.	The perception that the well-run Centre will attract enough visitors over time to give enterprises confidence to invest in anticipation of the upside A Centre that embodies the SKA pioneering ethos, dedication, commitment, and excellence of an enterprise of global scientific significance and partnerships, that aims to increase knowledge and understanding to benefit humankind.	The business community and corporate sector becoming a valued partner and contributor to the success and sustainability of the Centre Local, national and global businesses and corporations wanting to support and/or sponsor the activities and operation of the Centre, contributing to its financial sustainability.
Sol Plaatje University & other academic & scientific institutions	The scientific and academic knowledge that would accrue through association	An agreed mutually beneficial framework for collaboration	Access to research facilities, knowledge & technology transfer
SANparks	Ensuring conservation of the biosphere & extending conservation awareness	An agreed mutually beneficial framework for collaboration	Alignment with a complementary tourism attraction

Carnarvon SKA Visitor & Community Centre

INDICATIVE SCIENCE, TECHNOLOGY & SOCIETY CONTENT FRAMEWORK



Carnarvon SKA Visitor & Community Centre

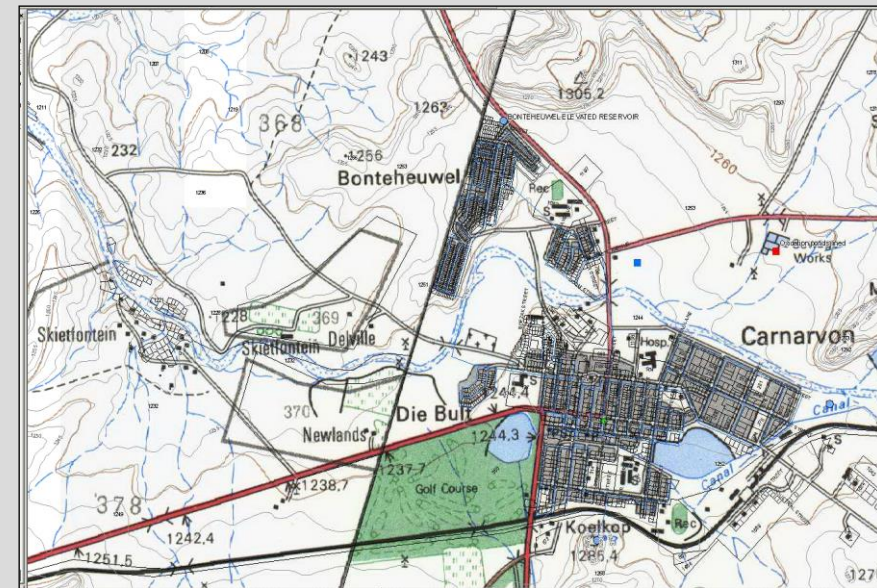
A PLACE FOR COMMUNITY: RECOMMENDATIONS

The proposed Centre occupies a strategic space; must be designed to be fully integrated into the Carnarvon community, both spatially and functionally. To accommodate the following community activities and needs:

- A community space that is accessible
- A place for recreation: an indigenous garden/park, playground, exercise, picnics, outdoor amphitheatre
- A place for celebration: cultural festivals, performances, family events, etc.
- A place for learning: science & technology, adult education, literacy, resource centre
- A place for social & economic development: entrepreneurship training and support, leadership skills, financial literacy, arts & craft, art, dance and music lessons, photography, filmmaking, etc.
- A place of healing: counselling for GBV, drug abuse, alcoholism, etc.
- A building designed to demonstrate green technologies and exemplify environmental sustainability



Current site plan



Carnarvon SKA Visitor & Community Centre

A PLACE FOR COMMUNITY: CONCEPTUAL SITE PLAN ONLY



Key

1. Botanical /Indigenous Garden
2. Space-theme Play Park
3. Carnarvon SKA Visitor & Community Centre
4. Amphitheatre
5. Picnic Tables
6. Accommodation Facility

Carnarvon SKA Visitor & Community Centre

A PLACE FOR COMMUNITY



Carnarvon SKA Visitor & Community Centre

A PLACE FOR COMMUNITY

A place of pride and self-affirmation, celebrating the people, history, and heritage of the people of Carnarvon

- The first inhabitants and descendent communities
- The Ixam people
- The story of Xhosa and Baster communities: migration, settlement, dispossession, resistance, assimilation
- The early missionaries
- The English and the Dutch incursion and settlement
- The story of the sheep farming industry, etc.
- Carnarvon & surrounds today



Carnarvon SKA Visitor & Community Centre

A PLACE FOR COMMUNITY

The Bleek-Lloyd Archive

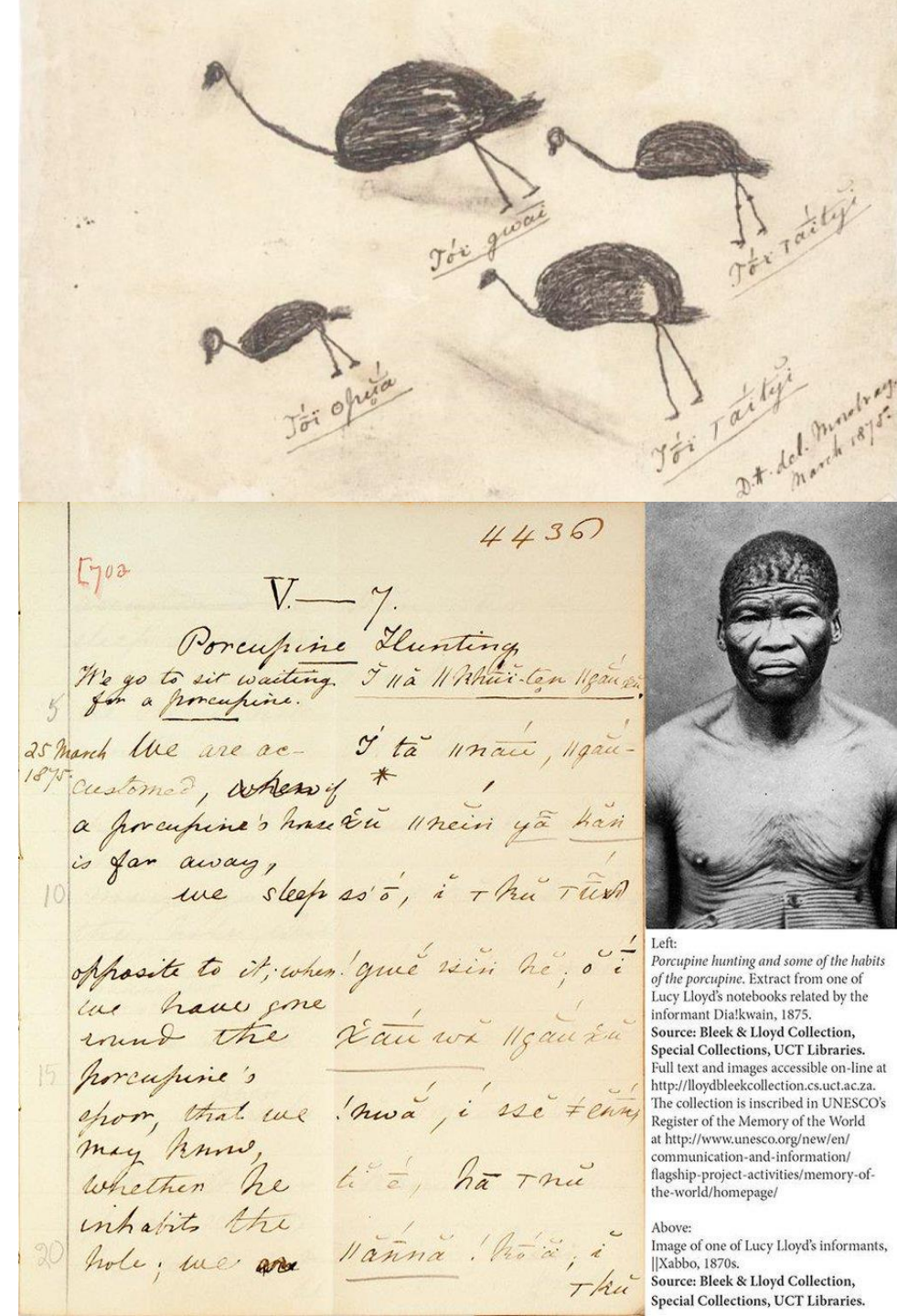
In the 1870s, facing cultural extinction and the death of their language, several Ixam Bushmen men and women told their stories to two pioneering colonial scholars at the Cape, Wilhelm Bleek and Lucy Lloyd

The principal informants were IIXabbo, |a!kunta and |han#kass'o who were arrested for stock theft and forcibly imprisoned in the Breakwater Prison at the now Victoria & Alfred Waterfront in Cape Town

The narratives recorded are of the land, the rain, the history of the first people, and the origin of the moon and stars. These narratives were faithfully recorded and translated, creating an archive of more than 13,000 pages including drawings, notebooks, maps, and photographs

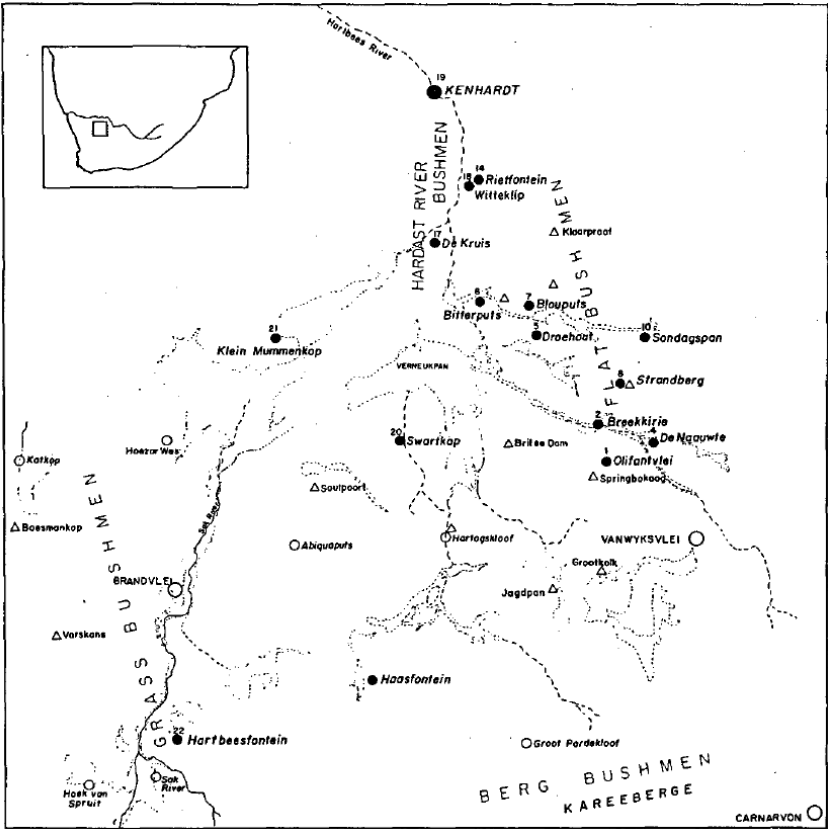
Scholars deciphering the oral testimonies in the archive have concluded that IIXabbo and his people originated from the part of the Northern Cape which now makes up the SKA exclusion zone

The contents of the archive, the most comprehensive record of Ixam history, culture and heritage, should be given pride of place in the Centre exhibition

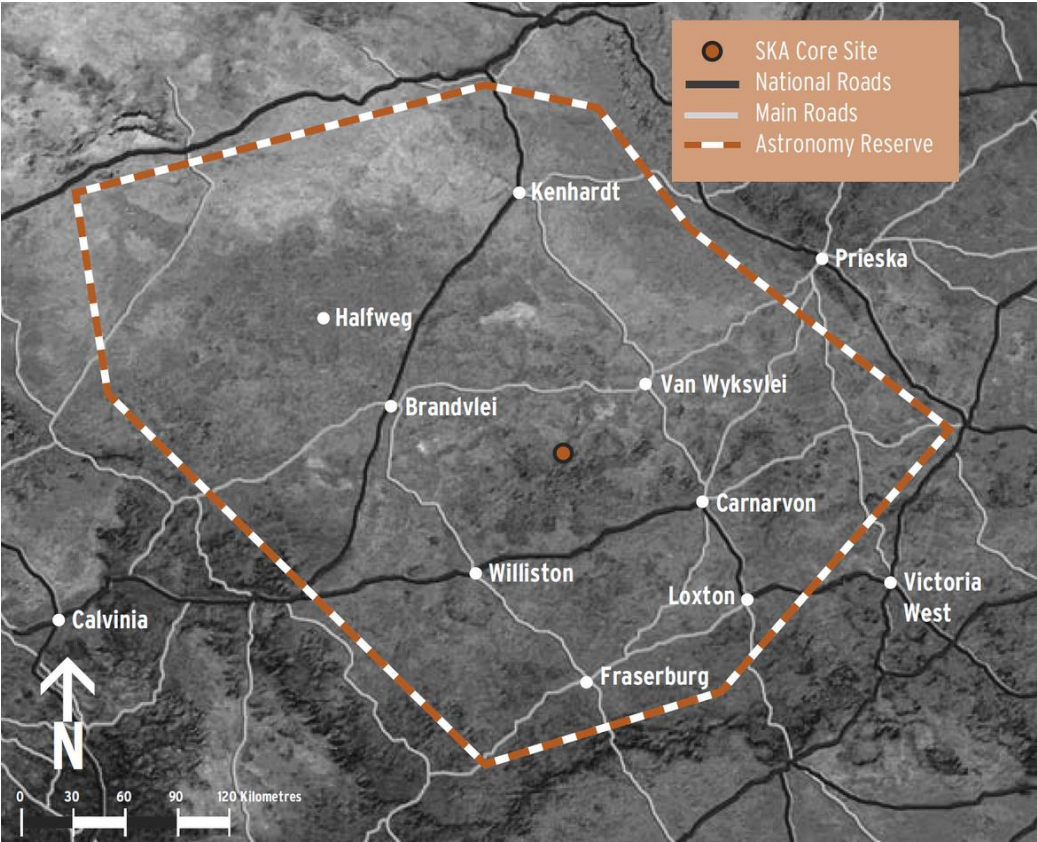


Carnarvon SKA Visitor & Community Centre

A PLACE FOR COMMUNITY



Map showing the various locations of where the Bleek & Lloyd informants originated



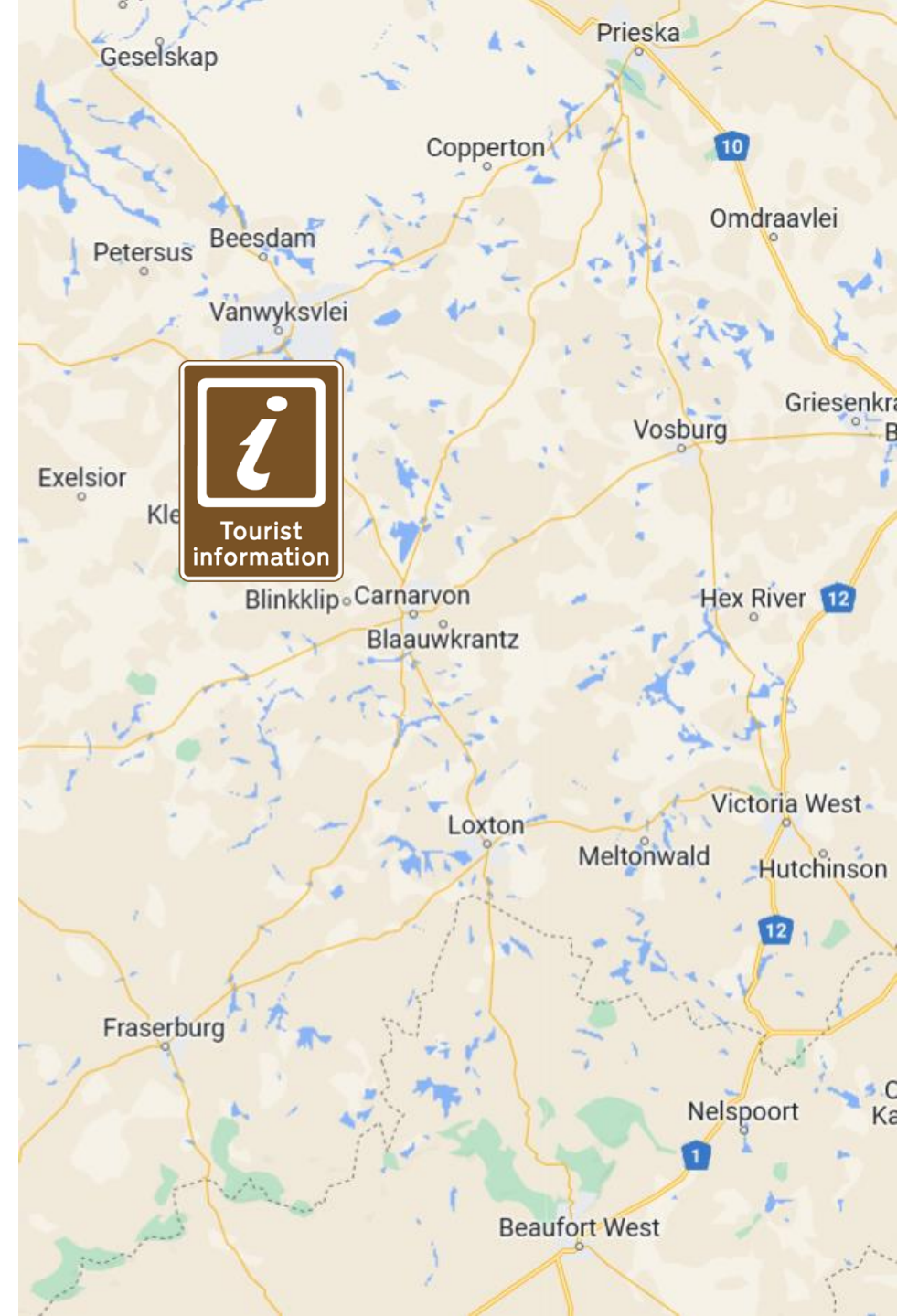
Map showing the location and boundaries of the SKA Reserve

Carnarvon SKA Visitor & Community Centre

A PLACE FOR DISCOVERY

The Centre should serve as a community, visitor and tourism hub and staging post for the discovery and exploration of Carnarvon and the region, including:

- A dynamic & interactive Tourism Information Centre
- The walking tour of Carnarvon
- Guided walking tours of the SKA National Park
- Guided tours of the SKA site
- The Karoo Astro-Tourism Route
- The Skietfontein Hiking Trail & stargazing experience



Carnarvon SKA Visitor & Community Centre

A PLACE FOR DISCOVERY

A dynamic & interactive Tourism Information Centre

There is currently no Tourism Information Centre for the region/area

A Tourism Info Centre with a difference.... beyond pamphlets

The tourist experiences, places and spaces promoted will be fully contextualised by the content and information in the exhibitions and displays

The tourism information to be digitised and accessed via a dedicated App

The Info Centre will aim to highlight and promote local tourism destinations, hospitality-related enterprises, local businesses and services, etc.



Carnarvon SKA Visitor & Community Centre

A PLACE FOR DISCOVERY

The walking tour of Carnarvon

- A walking tour has already been researched and designed
- Can be further enhanced and augmented
- Installation of outdoor interpretive signage to mark the route



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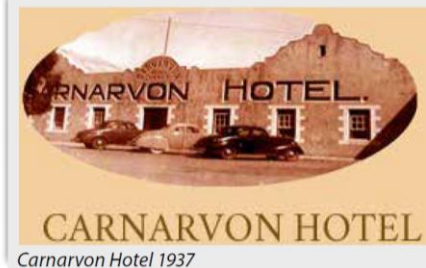
A brass band was part and parcel of most mission stations and the mission at Carnarvon was no exception. Sitting next to the bride is the late Mr Andreas Boezak.

According to his son, Alwyn, 'he orchestrated the entire Zion hymnbook for the brass band... for eight instruments. And he had no formal musical training whatsoever'.

And Ms Sophia Vass remembers: 'that at Christmas and New Year the brass band used to march from Koeëlkop right through the town and play music. However some members of the white community complained about the 'noise' and that was the end of that'.



11



The Carnarvon Hotel in Pastorie Street is synonymous with the Panos family, as it belonged to them for four generations. Mr Nicholas Anthony Panos was born in Greece in 1882 and arrived in South Africa in about 1900. After travelling around in the district in the company of a Jew, selling merchandise to farmers, he started a butchery in Carnarvon. When precisely he bought the Carnarvon Hotel is not known.

The Carnarvon Hotel is renowned for its collection of beer cans which are housed in the appropriately named 'blikkies' bar. The collection is reputed to be the largest in the world.



Blikkies Bar

Carnarvon SKA Visitor & Community Centre

A PLACE FOR DISCOVERY

The Skietfontein Hiking Trail & stargazing experience

History of Skietfontein

The early Xhosa and Baster communities

The story of the Rhemish Missionaries

The story of dispossession and resistance

Interpretive signage on the trail

Night stargazing experience



middle years of the nineteenth century. After 1860, however, considerable numbers of Xhosa, Bastard and white pastoralists encroached on their preserves, and frontier conflict became fierce. The second group was established by the local white authorities in 1830, as a buffer against the San, at Schietfontein, situated in the eastern foothills of the Kareeberg. Their history is well documented, particularly after the arrival of missionary Alheit in 1847. The third settlement, on Pramberg, was furthest south. Established as early as 1809, it was the most stable group with a traditional way of life and a stronger identity than the other two. Being nearest to colonial settlement, it became the first scene of conflict between the Xhosa and the encroaching Boers in the late 1830s.

Serious friction, however, only developed after 1840. Britain's declining wool clip coincided in 1840 with an increased demand for woollen goods which could be made in

great Britain. result Cape. ports owners
'My Mama het ons vertel van onse grootouma Kappie, 'n ryk ou vrou wat met haar bokke geboer het in die rantjies anderkant Carnarvon. Haar naam was Plaatjies en sy het die hoë stamneus gehad wat onse oompie Pengi van haar geërwe het.
Sy het vir Mama goed vertel van die ou dae en van die groot man, Donker Malgas, wat gedood is op die eiland in Grootrivier.'
(Elsa Joubert, Die Swerfjare van Poppie Nongena, p.3)

The previously 'worthless' land of the northern Cape proved (if the farms were big enough) excellently suited to the grazing of wool sheep. Thus an influx of wool farmers

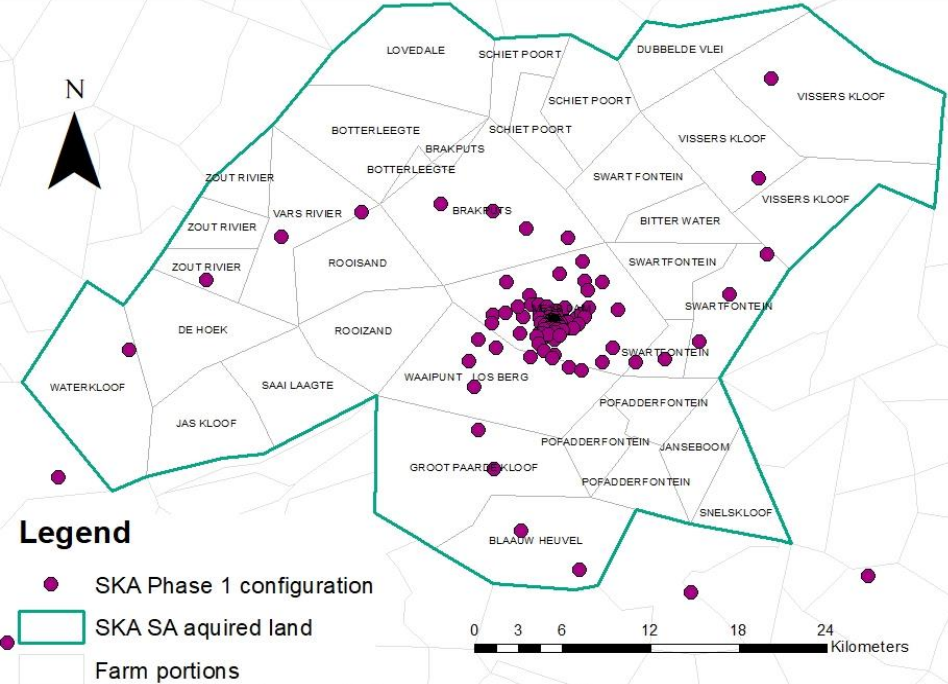
Carnarvon SKA Visitor & Community Centre

A PLACE FOR DISCOVERY

Guided walking tours of the SKA National Park

An opportunity exists to undertake both astronomy and environmental outreach in the SKA Exploratorium. Possibilities exist for SANParks to establish a local environmental presence in the Exploratorium where cultural/ heritage/ ecology/ aquatic walking tours of the National Park could be arranged whilst adhering to the RFI restrictions in the Observatory.

Business plan: Establishment of the Meerkat National Park



Carnarvon SKA Visitor & Community Centre

A GATEWAY TO SPACE

The Karoo Astro-Tourism Route

Interest in Astro-tourism is growing: astronomy, space exploration, stargazing

The Centre will be a key destination on the proposed Astro-Tourism Route: Sutherland (SALT); Fraserberg; Loxton; Carnarvon (SKA); Williston

Cape Town: the SAAO Observatory and Exhibition Centre and the Iziko Museums Planetarium should also be included on the Route

The Centre to explain the scientific principles of astronomy generally, and radio astronomy specifically, through interactive displays and audio-visual presentations

The history of astronomy: global, Africa and South Africa

A place where regular stargazing events are held under the instruction and guidance of a trained and knowledgeable astronomer

Embarkation point for guided visits to the SKA site

Embarkation point for overnight stays in the SKA National Park camp where visitors & tourists can enjoy a unique star-gazing experience sleeping under the stars



Carnarvon SKA Visitor & Community Centre

A GATEWAY TO SPACE

Overnight star-gazing experience at the SKA National Park

The declaration of the SKA National Park presents a unique opportunity to enhance the tourism potential of the Centre

Opportunity to establish a Carnarvon-based SMME Guided Tourism Experience company as a partnership between a community-based entity and a private established hospitality enterprise in Carnarvon

Starting with an orientation at the Centre, guided groups can be taken on a day hike in the National Park together with an overnight star-gazing experience

A camping site can be established in the Park as well as more up-market tented camp accommodation

The experience can be marketed as a unique opportunity for visitors and tourists to experience the National Park as an exclusive group



Carnarvon SKA Visitor & Community Centre

A GATEWAY TO SPACE

Guided tours of the SKA site

There is an opportunity to arrange exclusive guided tours of the SKA site

Tours would begin with a scientific orientation at the Centre

To ensure the integrity of the Radio Exclusion Interference Zone, proper security arrangements will need to be designed and implemented so that visitors do not bring items onto the site that can cause radio interference

But if airports can ensure that no illicit electronic items can be brought onto an aircraft then it must be possible to implement similar surveillance and security measures to secure the SKA operations

The opportunity to participate in an exclusive guided tour of the SKA site will be a major attraction for astronomy enthusiasts and members of the general public alike



Carnarvon SKA Visitor & Community Centre

A WINDOW ON THE KAROO

The Karoo is growing in popularity as a tourism destination

While for many the Karoo is regarded as a barren desert, archaeological and anthropological evidence shows that the Karoo has been inhabited for millennia

Also, palaeontological evidence in the form of unique fossil finds confirm the Karoo as a place for some of the earliest forms of life, as well as 4 of the 5 mass extinctions that have occurred on Earth since its formation.

Similarly, the Karoo is rich in unique geological formations that tell of the origins of the earth and the various Karoo ecosystems over time

The more recent social history of the Karoo tells the poignant story of the eradication of one of the earths most ancient civilizations and people; of forced migrations and the deadly competition for scarce resources for survival; of pioneers, farmers and entrepreneurs carving out space for their endeavours, most often at great cost to resident communities.

Far from being an empty space, the Karoo has been a stage for some of the most dramatic events in South African history



Carnarvon SKA Visitor & Community Centre

A WINDOW ON THE KAROO

While there are a number of heritage institutions and museums in towns across the Karoo that tell parts of this dramatic story, none do so in a comprehensive and integrated way

Building on the theme of *Place & Space*, the Carnarvon Visitor Centre is well positioned to tell the full story of the Karoo, the saga of its people and communities over time; showcase palaeontological artefacts and specimens; provide an insight into the rich flora and fauna of the diverse and enigmatic ecosystem; and offer visitors a unique experience of the Karoo cosmos and night skies

In this way, the Centre will serve as a Window on the Karoo and a key, must-see destination on the **Karoo Highlands Route**



Carnarvon SKA Visitor & Community Centre

SPREADING THE BENEFITS OF THE SKA SCIENCE CENTRE

The Northern Cape has only one Science Centre to service the entire province

The Science Centre is located in a converted house in Mothibistad, near Kuruman, and has been operational since October 2011.

There is a need for more facilities to support science education in the Province

It is proposed that a well-equipped Mobile Science Education Unit, be housed at and operate from the Carnarvon Community and Visitor Centre, in support of educators and learners in the region

To deliver value commensurate with the capital investment & operational cost, the Carnarvon Science Centre should aim to spread educational benefit throughout the Northern Cape Province

Kimberly, the capital of the Northern Cape, is a city with approximately 250 000 residents. There are also approx. 63 primary and secondary schools located within the Sol Plaatje Municipality, Kimberley. For this reason, it is proposed that consideration be given to providing the Carnarvon SKA Science Centre with an institutional base in Kimberley from where further benefit to learner communities can be spread



sansa
SOUTH AFRICAN NATIONAL
SPACE AGENCY



Carnarvon SKA Visitor & Community Centre

SPREADING THE BENEFITS OF THE SKA SCIENCE CENTRE

To this end, it suggested that discussions take place between SRAO, Sol Plaatje University, and the McGregor Museum in Kimberley, to investigate their interest and willingness to be institutional partners for the spread and enhancement of the benefits that could emanate from the Carnarvon SKA Science Centre.

Sol Plaatje University has already signalled its desire to become actively involved in the SKA initiative generally, and in the establishment and implementation of the Carnarvon Visitor Centre more specifically.

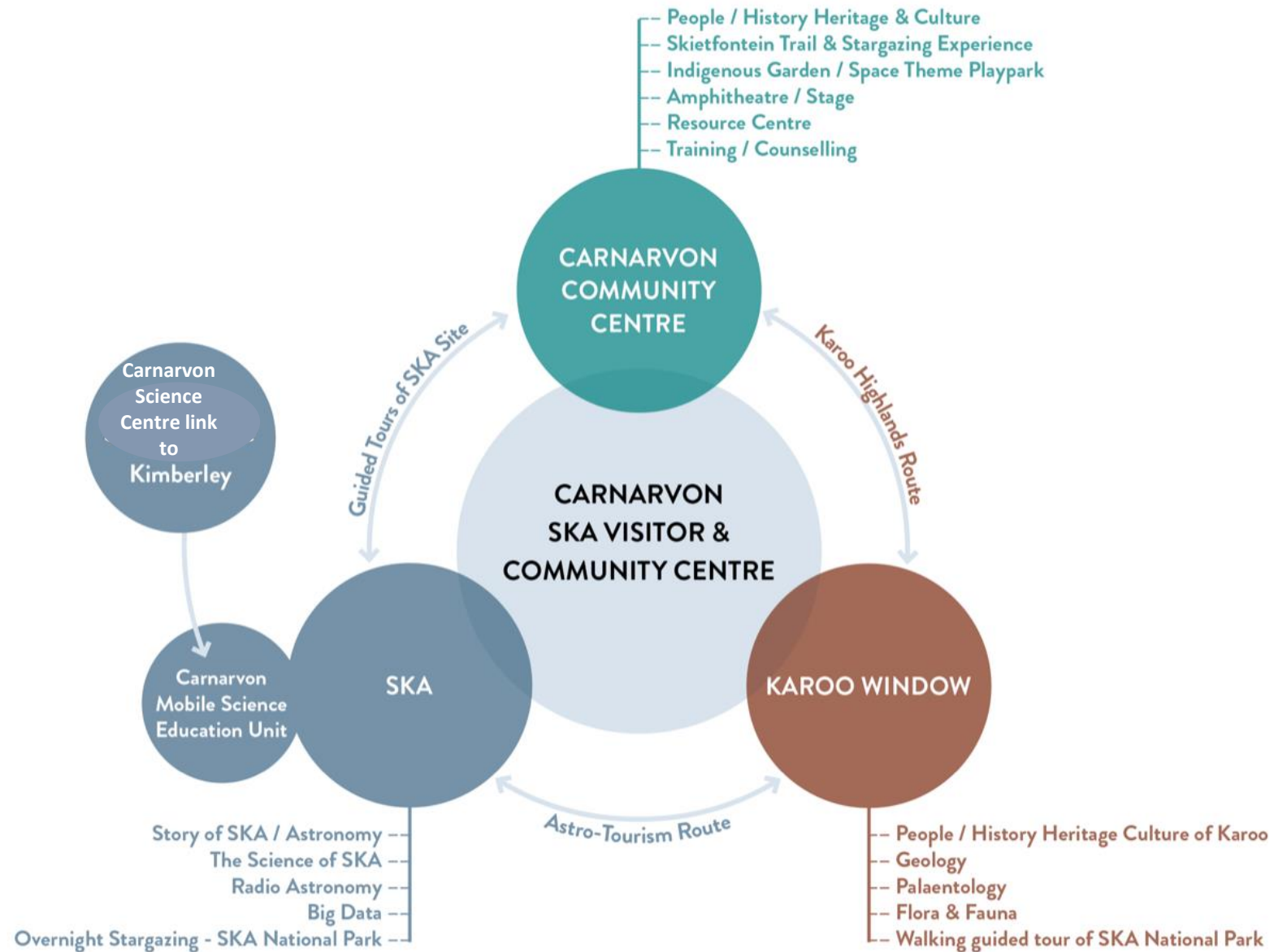
The McGregor Museum is fully funded by the provincial government. While the Museum primarily focuses on the natural and cultural history of the province, it could incorporate a component on science, technology and engineering.

The Northern Cape Provincial Government has motivated for the McGregor Museum to include the delivery of heritage and museum services to communities throughout the province, as part of its mandate.

The McGregor Museum has well-established infrastructure, qualified staff, as well as an energetic education outreach programme aimed at the more rural towns and schools of the province. The Museum would be well positioned to host and implement the proposed science education outreach programme.



CONCEPT SKETCH: THE CARNARVON SKA VISITOR AND COMMUNITY CENTRE MATERPLAN



Carnarvon SKA Visitor & Community Centre

WHAT MUST BE DONE?

The Carnarvon Community Centre: General

Immediate/Short-Term

- Undertake a community needs analysis with the Carnarvon community and Kareeberg Local Municipality to inform the design & accommodation brief for the Centre

Medium-Term

- Design and implement workshop/s to raise awareness in the community of the tourism opportunities and how they can prepare and benefit
- Develop a plan to upgrade the town infrastructure; repair streets and pavements; litter management and awareness; upgrade
- Upgrade the Walking Tour of Carnarvon: instil awareness of the value of the built heritage; fix significant buildings, paint & restore

Longer-Term

- Design and implement community programmes & activities for Centre



Carnarvon SKA Visitor & Community Centre

WHAT MUST BE DONE?

The Carnarvon Community Centre: Specific

Engage the key stakeholders to conceptualise the following elements to inform the design and accommodation brief for Centre:

Component	Stakeholder
<ul style="list-style-type: none">• The Tourism Info Centre/ Hub• Walking Tour of Carnarvon• Skietfontein Walking Trail• Karoo Highlands Route• Guided Walking Tour of SKA National Park	<ul style="list-style-type: none">• The Northern Cape Dept of Economic Development & Tourism• Kareeberg Local Municipality• SANparks
<ul style="list-style-type: none">• Karoo Astro-Tourism Route	<ul style="list-style-type: none">• The Northern Cape Dept of Economic Development & Tourism• Dept of Tourism• SARAO / SKA• SAAO / SALT• Iziko Museums/ Planetarium



Carnarvon SKA Visitor & Community Centre

WHAT MUST BE DONE?

The Carnarvon Community Centre: Specific

Engage the key stakeholders to conceptualise the following elements to inform the design and accommodation brief for Centre:

Component	Stakeholder
<ul style="list-style-type: none">• The SKA Interactive Science Centre and• Carnarvon SKA Visitor & Community Centre Mobile Science Education Unit	<ul style="list-style-type: none">• SARAO• Dept of Science and Innovation• Northern Cape Dept of Education• Sol Plaatje University• The McGregor Museum



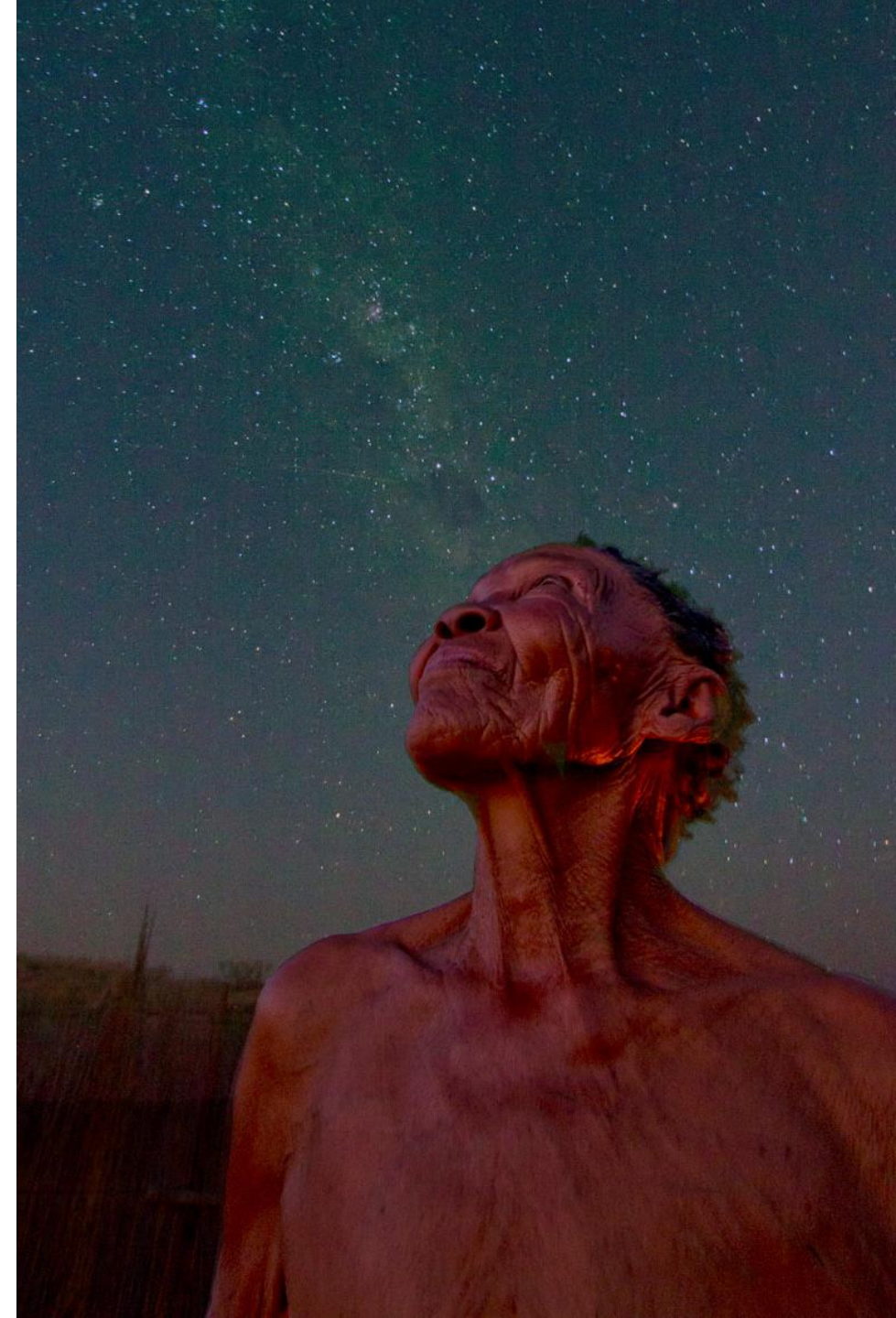
Carnarvon SKA Visitor & Community Centre

WAY FORWARD

Endorse, in principle, the **High-End Concept & Vision**

In consultation with primary stakeholders, develop a detailed **Business Plan**, to include (amongst others):

- The High-End Concept & Vision
- Detailed Stakeholder Needs Analysis
- Learner/Visitor/Tourist Market and Needs Analysis
- Visitor Experience/ Content Development Proposal (including exhibitions & displays)
- Infrastructure Needs Analysis & Plan (including building specifications, etc.)
- Stakeholder Management Plan
- Proposed Centre Governance Plan and Structure
- Marketing & Promotions Strategy and Plan
- Financial Plan (including cost and revenue analysis and projections)
- Detailed Implementation Plan



Carnarvon SKA Visitor & Community Centre

WAY FORWARD

The **Business Plan** will be presented to stakeholders for discussion and assessment

The approved Business Plan will inform the development of the Tender Documentation for the appointment of the Professional team to provide the necessary designs and the appointment of a Contractor for the construction of the building, as well as for the development, design, fabrication and installation of the exhibitions and displays for the Centre

