

NELSON MANDELA  
UNIVERSITY

# Research & Innovation Matters



The Nelson Mandela University Research Entities are flagship structures that position and brand the University's research activities nationally and globally. They are key drivers of the University's vision and strategy, with their activities spanning and integrating its core missions. They are critical in the University's pursuit of impactful research, innovation and internationalisation to promote sustainable futures.

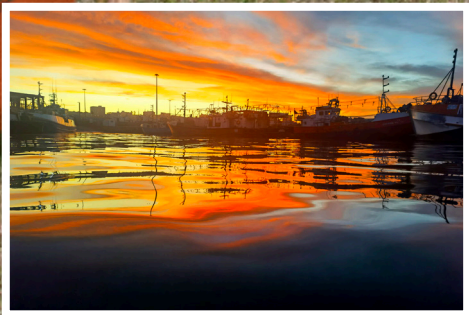
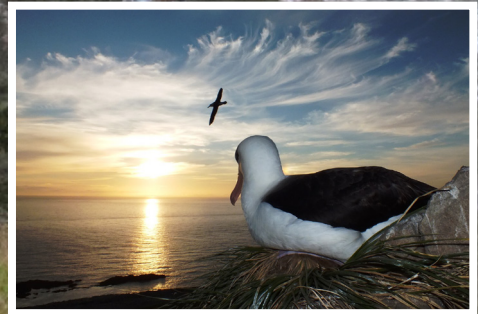
The key positioning messages of the University find expression in the institutional Vision 2030 and include firmly establishing the institution as a university that advances social justice in the service of society; repositioning and changing the face of engagement to respond to the key challenges of our time and space; revitalisation of the Humanities; being deliberate about pursuing transdisciplinary perspectives in our scholarly endeavours; expanding our African footprint; and growing and nurturing our institutional research themes as well as continuing to strengthen our research outputs.

Nelson Mandela University research themes anchored by the work of the research entities are:

- Ocean and Coastal Sciences
- Social Justice and Democracy
- Environmental Stewardship and Sustainable Livelihoods
- Innovation and the Digital Economy
- Origins, Culture, Heritage and Memory
- Humanising Pedagogies

The University boasts 22 research entities which are divided into institutes (4), centres (12) and units (6). Working with academic departments, research chairs and faculties, the entities contribute significantly to the areas of postgraduate training, mentoring of post-doctoral and research fellows, research and engagement.





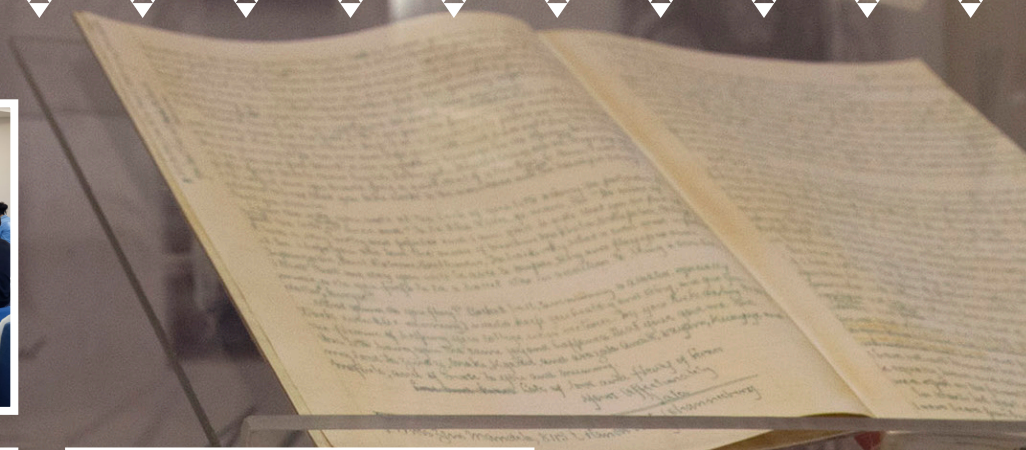
## Summary of Nelson Mandela University research entities

Entity	Director	Focus areas	Website
Africa Earth Observatory Network- Earth Stewardship Research Institute	Prof Moctar Doucouré	Transdisciplinary research; Earth stewardship, Geology; Geoscience	<a href="http://aeon.org.za/">http://aeon.org.za/</a>
Institute for Coastal and Marine Research	Prof Lorien Pichegru	Transdisciplinary research; Global change; Living resources and Food security; Biodiversity, Conservation & Management	<a href="https://cmr.mandela.ac.za/">https://cmr.mandela.ac.za/</a>
Institute for Chemical Technology and Downstream Chemical Technology Station	Dr Gary Dugmore	Technology support services; Technology Developments; Basic research	<a href="https://innoventondcts.mandela.ac.za/">https://innoventondcts.mandela.ac.za/</a>
Centre for Advancement of Non-Racialism and Democracy	Mr Allan Zinn	Democracy; Non-racialism; Social justice; Dialogue	<a href="https://canrad.mandela.ac.za/">https://canrad.mandela.ac.za/</a>
Built Environment Research Centre	Mr Chris Allen	Sustainable Built Environment; Smart and Green Buildings; Human Settelements	<a href="https://qs.mandela.ac.za/Research">https://qs.mandela.ac.za/Research</a>
Centre for Community Technologies	Prof Darelle van Greunen	ICT for Health; ICT for Education; Policy advice	<a href="https://cct.mandela.ac.za/">https://cct.mandela.ac.za/</a>
Centre for Research in Information and Cyber Security	Prof Rheinhardt Botha	Cyber-security; Cyber-citizenship; Banking safety	<a href="https://crics.mandela.ac.za/">https://crics.mandela.ac.za/</a>
Centre for African Conservation Ecology	Prof Graham Kerley	Ecological and Conservation biology; Global change; Restoration ecology	<a href="https://ace.mandela.ac.za/">https://ace.mandela.ac.za/</a>
Centre for High Resolution Transmission Electronic Microscopy	Prof Jan Neethling	Materials modelling; Energy materials; Nanoparticle catalysis; Minerals beneficiation; Biological and Biomedical microscopy	<a href="https://chrtem.mandela.ac.za/">https://chrtem.mandela.ac.za/</a>

Centre of Expertise in Forecasting	Prof Igor Litvine	Forecasting; Modelling; Statistics	<a href="https://coef.mandela.ac.za/">https://coef.mandela.ac.za/</a>
Centre for Rubber Science and Technology	Prof Percy Hlangothi	Polymer chemistry; Environmental science; Rubber science	<a href="https://crst.mandela.ac.za/">https://crst.mandela.ac.za/</a>
Telkom Centre of Excellence	Prof Janet Wesson	Smart applications and services; Optical fibre research; Photovoltaic research	<a href="https://coe.mandela.ac.za/">https://coe.mandela.ac.za/</a>
African Centre for Coastal Palaeoscience	Dr Jan de Vynck	Quaternary palaeoscience; Cape Floristic Region; Global change; Palaeo-seascapes	<a href="https://accp.mandela.ac.za/">https://accp.mandela.ac.za/</a>
Centre for Broadband Communication	Prof Tim Gibbon	Optical fibre research; Broadband optimal communication; Next Generation DWDM System; Square Kilometer Array	<a href="https://broadband.mandela.ac.za/">https://broadband.mandela.ac.za/</a>
Centre for Philosophy in Africa	Dr Sam Nzioki	Africa-purposed philosophy; Decolonisation	<a href="https://philosophy.mandela.ac.za/">https://philosophy.mandela.ac.za/</a>
Centre for Women and Gender Studies	Dr Babalwa Magoqwana	Women empowerment; Gender transformation; African feminist imaginations	<a href="https://cwgs.mandela.ac.za/">https://cwgs.mandela.ac.za/</a>
Raymond Mhlaba Centre for Leadership and Governance	Prof Luvuyo Ntombana	Raymond Mhlaba legacy; Capacity building in local government; Governance and public policy	
Sustainability Research Unit	Prof Herve Fritz	Sustainability science; Socio-ecological systems resilience; Long term-ecological monitoring	<a href="https://sru.mandela.ac.za/">https://sru.mandela.ac.za/</a>
Unit for Visual Methodologies for Social Change	Prof Naydene de Lange	Data archives; Participatory methodologies;	<a href="http://rce.mandela.ac.za/">http://rce.mandela.ac.za/</a>
Drug Utilisation Research Unit	Prof Ilse Truter	Management of medicines; Cost effective use of health care resources	<a href="https://pharmacy.mandela.ac.za/Drug-Utilization-Research-Unit">https://pharmacy.mandela.ac.za/Drug-Utilization-Research-Unit</a>

Family Business Unit	Prof Elmarie Venter	Theory and practice of management of family business units	<a href="https://fbu.mandela.ac.za/">https://fbu.mandela.ac.za/</a>
Unit for Positive Organisations	Prof Michelle Mey	Industrial psychology; Human Resource management; Ethics and integrity	
Unit for Economic Development and Tourism	Prof Ronney Ncwadi	Sustainable local economic development; Tourism	





Handwritten notes in a calendar grid:

3:36 am '03

acting Paramount chief Basibela nge vtsds me 1.30 hrs  
P.O Box 469 Johannesburg Unutala

Calendar page for 1987 with handwritten notes:

22 Sweet Birthday card to Bessie

23 Weight 10.2 kg

24 July 3 soap delivered. Balance 3. F 20m dental plus  
Rebony film. (base) 2000y of 100 and 1000. Mirrored table seen  
longer.

25 started to review the points of dispute. Talked to Bessie

26

27 (long) film "A well-sprayed up" - finish few sketches!  
Zane & the g. ekhe fail to film up.

28

June  
Junio  
Jun

Week 26	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31

1987 Photograph: H. Wesseler

**SOUTH AFRICA TODAY**

20-24

Umaida Kwazi, 1456 Zone 1 Aupokhoof, P.O. Kuku, 1864.

21

22

23

24 Same Judge & Botshabile vtsd R1 for I the both dressed in light  
Pee - Pomas is to pose for 100 dia; Commemoration in Aba - Akhru Awea  
Jabe of Justice Botshabile; address not arrive

25 Same Judge & Botshabile vtsd R1 for I the both dressed in light  
Pee - Pomas is to pose for 100 dia; Commemoration in Aba - Akhru Awea

26 Same Judge & Botshabile vtsd R1 for I the both dressed in light  
Pee - Pomas is to pose for 100 dia; Commemoration in Aba - Akhru Awea

27

**AFRIKA VANDAG**  
Sonskyn

**1987 1987 was sunny today in South Africa**

**A**  
pril  
pril  
pril  
bril

Sunday  
Dinsdag  
Dinsdag  
Dinsdag

29

30

31

1

2

3

4

4

**SOUTH AFRICA TODAY**  
Land of Golden Sunshine



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