

**IN THE HIGH COURT OF SOUTH AFRICA
GAUTENG DIVISION, PRETORIA**

Case No:

In the matter between:

AFRICAN CLIMATE ALLIANCE	First Applicant
VUKANI ENVIRONMENTAL JUSTICE MOVEMENT IN ACTION	Second Applicant
THE TRUSTEES FOR THE TIME BEING OF GROUNDWORK TRUST	Third Applicant
and	
THE MINISTER OF MINERAL RESOURCES AND ENERGY	First Respondent
THE NATIONAL ENERGY REGULATOR OF SOUTH AFRICA	Second Respondent
THE MINISTER OF FORESTRY, FISHERIES AND THE ENVIRONMENT	Third Respondent
THE PRESIDENT OF THE REPUBLIC OF SOUTH AFRICA	Fourth Respondent

EXPERT AFFIDAVIT

I, the undersigned,

GARRET BARNWELL

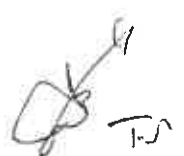
do hereby make oath and say that:

- 1 I am an adult male clinical psychologist registered with the Health Professions Council of South Africa (**HPCSA**), and situated at 79 Oxford Rd, Saxonwold, Johannesburg, South Africa.



TS

- 2 The facts set out in this affidavit fall within my personal knowledge and belief, except where the context indicates otherwise, and are true and correct.
- 3 I am the author of a report commissioned by the Centre for Environmental Rights dated 31 August 2021, titled "*The Psychological and Mental Health Consequences of Climate Change in South Africa*". This report provides an expert opinion and findings on the psychological and mental health impacts of climate change on current and future generations living in South Africa. A copy of the report is attached to the founding affidavit marked "FA3" and therefore will not be attached to this affidavit in order to avoid burdening the above honourable Court with the papers.
- 4 My qualifications are set out in my curriculum vitae, attached marked "GB1". In brief, my qualifications and expertise are as follows:
- 4.1 I received my Bachelor of Arts and Honours degrees in Psychology, Masters degree in Clinical Psychology and Doctorate degree in Psychology from the Nelson Mandela University in 2008, 2009, 2013 and 2021, respectively. I have 7 years of experience as a clinical psychologist and over ten years of cumulative experience in the humanitarian sector and as a community psychology practitioner. In addition to my individual practice, I have provided my services and expertise to the Department of Health, Doctors Without Borders, and am a member of various national and international professional psychology associations including Psychology Society of South Africa, Climate Psychology Alliance and Global Network of Psychologists for Human Rights, among others.

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4.2 I provide clinical psychological assessment and psychotherapy, and whilst I work with numerous mental health treatments, my interest and expertise lie in psychological issues surrounding health, climate change, land and environmental justice.

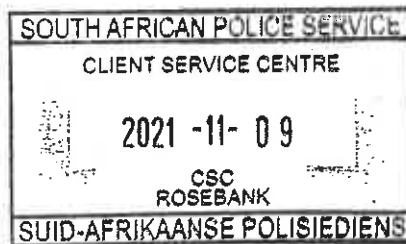
5 Given my qualifications and experience, I am duly qualified to express an expert opinion on the matters addressed in the attached report.

6 I confirm the content of the above-mentioned report and the expert opinions expressed therein, and confirm that the methodology relied upon in the report is robust and credible.

[Handwritten signature of Garret Barnwell]

GARRET BARNWELL

Thus signed and sworn to before me at Rosebank SAs on this 09 day of November 2021 by the deponent who has acknowledged that he knows and understands the contents of this affidavit, that he has no objection to taking the prescribed oath and that the prescribed oath is binding on his conscience.



[Handwritten signature]
1201
2021/11/09

COMMISSIONER OF OATHS

NAME: Ishqer Molapisi
CAPACITY: CAC
ADDRESS: 15 Sturpee Avenue
Rosebank

[Handwritten signature]

APPENDIX 1: CURRICULUM VITAE

"GB1"**Dr. Garret Barnwell | Clinical Psychologist**

Clinical psychologist in private practice with over ten years of experience in the medical humanitarian sector.

info@garretbarnwell.com | +27 60 587 5445
 Website: garretbarnwell.com | HPCSA: PS0128317

PROFESSIONAL SUMMARY

Dr Barnwell is a clinical psychologist in private practice with over ten years of experience in the medical humanitarian sector. I provide psychological assessment and psychotherapy in private practice. My community psychology practice is focused on groupwork, technical reporting on psychology and health justice issue, and climate, land and environmental justice advocacy. My research interests include the psychology and mental health dimensions of climate, land and environmental justice. I am a co-convener of the Psychology Society of South Africa's Climate, Environment and Psychology (CEP) interest group and hold several other leadership positions on climate psychology or human rights.

EXPERIENCE**Clinical Psychologist**

South Africa | 2015 - Present

- Individual psychotherapy
- Climate psychology and ecopsychology group work
- Community psychology interventions and consulting on health, social and environmental justice issues with organisations, such as NACOSA - Networking HIV & AIDS Community of South Africa; Centre for Environmental Rights; Médecins Sans Frontières; EarthLore Foundation; Dzomo La Mupo
- Research on climate change and mental health; climate psychology; community psychology; environmental justice

Doctors Without Borders / Médecins Sans Frontières (MSF)

Deputy Head of Mission, South Africa and Lesotho | 2017 - 2018

- Project oversight and lead on health advocacy and representation around migration, detention, sexual violence, sexual reproductive health (SRH), human resources for health gaps, student protests, and the mining industry
- Lead author of MSF complaint to South African Office of Health Standards Compliance regarding Lindela Detention Centre
- I was one of the healthcare team that conducted the assessment of migrant health needs and helped conceptualise MSF's current project

EDUCATION

Nelson Mandela University,
 2021 — Doctor of Philosophy
 in Psychology on community
 members' psychological
 reactions and responses to
 climate, land and environmental
 degradation in South Africa

Nelson Mandela University,
 2015 — Masters in Clinical
 Psychology (Cum Laude)

Nelson Mandela University,
 2013 — Masters in Conflict
 Transformation and
 Management

Nelson Mandela University,
 2009 — Honours in Psychology

Nelson Mandela University,
 2008 — Bachelor's degree in
 psychology

**CONTINUOUS
PROFESSIONAL
DEVELOPMENT**

Utrecht University & Duke
 University, 2021 — Decolonial
 Summer School

Pacifica Graduate Institute,
 2019 — Ecopsychology
 Certificate

Médecins Sans Frontières, 2011
 — Project Coordination &
 Crisis Management

NGO Security Programme,
 Somalia. 2011 — Hostile
 Environments Individual
 Security Training Certificate

Liverpool School of Hygiene
 and Tropical Medicine, 2010 —
 Professional Diploma in
 Humanitarian Assistance

in Pretoria.

- Report production: <http://bit.ly/2aVCYKg> & <http://bit.ly/2BXwkPo>
- Vision Coordinator, Southern Africa | 2016 - 2017
- Led the participatory vision process for MSF Southern Africa office for the board and executive. Several interviews were conducted across Southern Africa, in various institutional and operational spaces (e.g., General assembly, field projects, board members, executive, and former MSF staff).

Humanitarian Affairs Officer, North West Province | 2016

- Accompaniment to mine affected communities
- Communications and advocacy on sexual violence, extractive industry, sexual reproductive health (SRH) services, and human resources for health gaps, such as forensic nursing.
- Co-author of a 3-year project strategy and security guidelines
- In July 2016, I was also detached to conduct an exploratory assessment of psychiatric services in Lesotho, conducted meetings with the Minister of Health, Director of Mental Health, interviewed public health workers, and assessed three inpatient mental healthcare facilities.

Psychologist, Department of Health

Clinical psychologist in community services, Chris Hani Baragwanath Academic Hospital, Soweto – 2015 - 2016

- Mental health outpatient clinical
- Inpatient psychiatry and medical wards
- Cochlear unit
- Transgender affirming care, Luthando Unit

Intern psychologist (January 2014 – December 2016), Port Elizabeth and Graaff-Reinet – 2014

- Elizabeth Donkin Psychiatric Hospital
- Livingstone Casualty Department
- Graaff-Reinet Community Health Centre

Doctors Without Borders / Médecins Sans Frontières (MSF)

Liaison Officer - 2012

- Providing accompaniment to Syrian medical network during the Syria conflict
- Providing analysis of Syrian conflict to support MSF's operations
- Managing supply of medical material and equipment to the Syrian medical network

Assistant field coordinator - 2011

- Project management assistance regarding staff security, community outreach and Burco's public hospital's rehabilitation
- Team leader of the rapid malnutrition assessments using mid-upper arm circumference assessments during 2011 Nutrition Crisis in Somaliland – Togdheer and Saxiil region (internally displaced camps & rural villages)

Research and project coordination – 2010 - 2011

- Solidarity for Survival - Forced migration advocacy campaign to

Rhodes University, 2009 — Habitable Planet (Climate Change) programme

University of South Africa, 2009 — Certificate in Victim Empowerment and Support

PROFESSIONAL MEMBERSHIP AND COMMITTEES

Co-convener of the Climate, Environment and Psychology (CEP) interest group in Psychology Society of South Africa (PsySSA) — 2020 to present

Editorial Committee of the Explorations in Climate Psychology Periodical | Climate Psychology Alliance (CPA) – 2021

Advisory Council | Global Network of Psychologists for Human Rights (GNPHR) — 2020 to present

Board member | Doctors Without Borders / Médecins Sans Frontières (MSF) Association in Southern Africa — 2015 – 2016

President | Doctors Without Borders / Médecins Sans Frontières (MSF) Association in Southern Africa — 2013 – 2015

Secretary | Division of Psychology in Public Service — 2015 – 2016

Committee Member | Rural Health Advocacy Campaign — 2014 – 2016

Member | Society for Community Research and Action, Division 27 of the American Psychology Society — 2020 – present

raise awareness about forced migration in South Africa.

ACADEMIC PUBLICATIONS

- Barnwell, G., Stroud, L., & Watson, M. (2020). "Nothing green can grow without being on the land": Mine-affected communities' psychological experiences of ecological degradation and resistance in Rustenburg, South Africa. *Community Psychology in Global Perspective, Special Issue: Communities reclaiming power and social justice in the face of climate change*. 6(2/2), 87-109.
- Barnwell, G., Stroud, L., & Watson, M. (2020). Critical reflections from South Africa: Using the Power Threat Meaning Framework to place climate-related distress in its socio-political context. *British Psychology Society's Clinical Psychology Forum Special Issue: Psychology and the Climate and Environmental Crisis*. Number 332–August 2020, 332, 7. <https://bit.ly/3iAYVvb>
- Schockaert, L., Venables, E., Gil-Bazo, M. T., Barnwell, G., Gerstenhaber, R., & Whitehouse, K. (2020). Behind the Scenes of South Africa's Asylum Procedure: A Qualitative Study on Long-term Asylum-Seekers from the Democratic Republic of Congo. *Refugee Survey Quarterly*, 39(1), 26-55.
- Barnwell, G., Makaulule, M., Stroud, L., Watson, M., Robson, D. (2021). 'Mupo is life': Intergenerational identity and safeguarding sacred natural sites in Limpopo province, South Africa. *Ecopsychology*.
- Barnwell, G., Makaulule, M., Stroud, L., Watson, M., Robson, D. (2021). 'Restoring roots': Lived experiences of place severing and decolonial resurgence associated with deforestation and land dispossession in Limpopo province, South Africa. *AWRY: Journal of Critical Psychology*. [in press]
- Barnwell, G., Bradshaw, G., & Watkins, M. (2021). Grounding community psychology in practices of ecopsychosocial accompaniment. Editors Kagan, C., Lawthom, R., Constanzo, A., Inzunza, J., Richards, M., & Akhurst, J. Forthcoming *International Handbook of Community Psychology*. Routledge. [in press]
- Barnwell, G. (2021). An illustrative counter-narration method case vignette on the psychological experiences of land dispossession in Limpopo Province, South Africa. [submitted for review]
- Williams, T., Barnwell, G., & Stein, D. (2020). Pre-print: A Systematic Review of Randomised Controlled Trials on the Effectiveness of Ecotherapy Interventions for Treating Mental Disorders. <https://doi.org/fbh4>
- Barnwell, G., Sack, V., & Strümpher, J. (2015). Clinical Psychologists' Perceived Barriers to Provision of Psychological Services for People with First-episode Schizophrenia in Urban Public Health Care Settings (Dissertation, Nelson Mandela University).
- Barnwell, G., Sack, V., & Strümpher, J. (2015). Clinical Psychologists' Perceived Barriers to Provision of Psychological Services for People with First-episode Schizophrenia in Urban Public Health Care Settings. Poster Presentation. 19th Biennial conference of the International Society of Critical Health Psychology.

Member | Climate Psychology Alliance — 2019 – present

SCHOLARSHIPS

South African Medical Research Council | Bongani Mayosi National Health Scholarship Programme - 2019 = 2021

AWARDS

Mail & Guardian's 200 Young South Africans (category: health) - 2016

Nelson Mandela University Alumni of the Year Award for Service to Humanity - 2016

POPULAR MEDIA

The coronavirus outbreak & mental health: What you need to know *Bhekisisa Centre for Health Journalism*

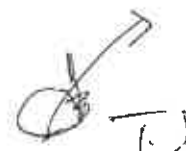
When Climate Change & Health Collide: Will South Africa's policy have the teeth – or the money? *Bhekisisa Centre for Health Journalism*

Bugs, borers & heatwaves: Life and mental health in a hotter Joburg *Daily Maverick*

Earth Emotions: New Words for a New World by Glenn Albrecht *Climate Psychology Alliance*

White Papers highlight Gieaba's antipoor and anti-African approach *Business Day*

Climate change and the long walk back to ourselves *Mail & Guardian and the Psychology Society of South Africa's Thought Leader*.



POLICY, TECHNICAL & COMMUNITY PSYCHOLOGY REPORTS

- Barnwell, G. (2020). Review of the Environmental Impact Assessment Report for the Application for Environmental Authorisation and Change of Land Use for the Proposed Musina -Makhado Special Economic Zone (SEZ), Limpopo Province. <https://bit.ly/3pu6xD5>
- Barnwell, G. (2020). Ecopsychosocial feedback report: Zwifho Zwa Nethathe (unpublished).
- Barnwell, G. (2020). Ecopsychosocial feedback report: Zwifho Zwa Vhutanda (unpublished).
- Barnwell, G. (2019). Ecopsychosocial feedback report: Zwifho Zwa Magoro (unpublished).
- Co-author of Doctors Without Borders/Medecins Sans Frontieres' (MSF) Submission to the Office of Health Standards Compliance on healthcare provision in Lindela Detention Facility (2018). [Unpublished]
- Lead-author and researcher for MSF's Untreated Violence: Critical gaps in medical and clinical forensic care for survivors of sexual violence in South Africa (2017).
- Barnwell, G. (2016). The importance of ensuring the provision of health care during university protest action through better coordinated efforts: Lessons from University of Witwatersrand. A Double Harm: Police misuse of force and barriers to necessary Health Care Services. Socio-economic Rights Institute of South Africa, 80-83. <https://bit.ly/3aGFDE4>
- Lead-author and photographer for MSF's Untreated Violence: The need for patient-centred care for survivors of sexual violence in the platinum mining belt (2016).

LECTURING AND ORAL PRESENTATIONS

- 2021: Invited speaker on psychology and climate justice for the International Congress of Psychology.
- 2021: Guest lecturing on ethics for the Department of Psychology at University of South Africa (UNISA).
- 2020: Guest lecturer on ecopsychology and environmental justice for Pacifica Graduate Institute, California (online)
Earth Accompaniment for the Retreat at Pacifica Graduate Institute, California (online)
- 2019: Oral presentation: Sacred places with traumatic pasts. International Ecopsychology Conference, California, USA.
- 2015: Clinical Psychologists' Perceived Barriers to Provision of Psychological Services for People with First-episode Schizophrenia in Urban Public Health Care Settings. Poster Presentation. 19th Biennial conference of the International Society of Critical Health Psychology.

South African Psychologists need to get involved at grassroots level *News24*.

Hidden violence – women and attempted suicide *Daily Maverick*.

REVIEWS

- 2021: Psychology Society of South Africa
- 2021: American Journal of Community Psychology
- 2021: Journal of Ecopsychology
- 2021: Global Journal of Community Psychology Practice
- 2020: Globalization and Health

LANGUAGES

Fluent English and spoken Afrikaans

SKILL SUMMARY

- Clinical psychological assessment
- Individual and group psychological interventions
- Community psychology interventions
- Technical reports on psychology and health justice issues
- Critical psychological research on climate change and environmental degradation, structural violence, and health justice

