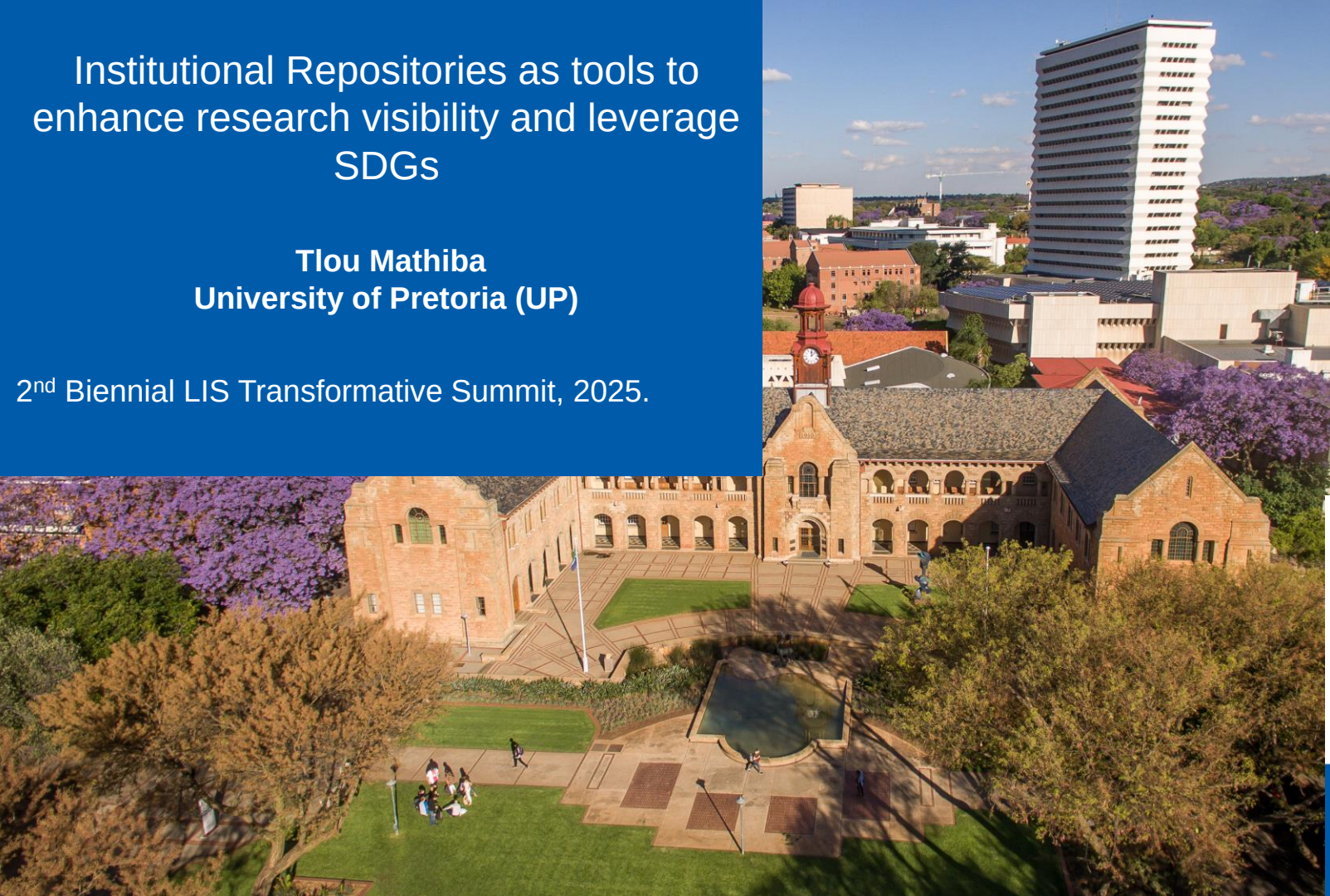
Institutional Repositories as tools to enhance research visibility and leverage SDGs

Tlou Mathiba
University of Pretoria (UP)

2nd Biennial LIS Transformative Summit, 2025.



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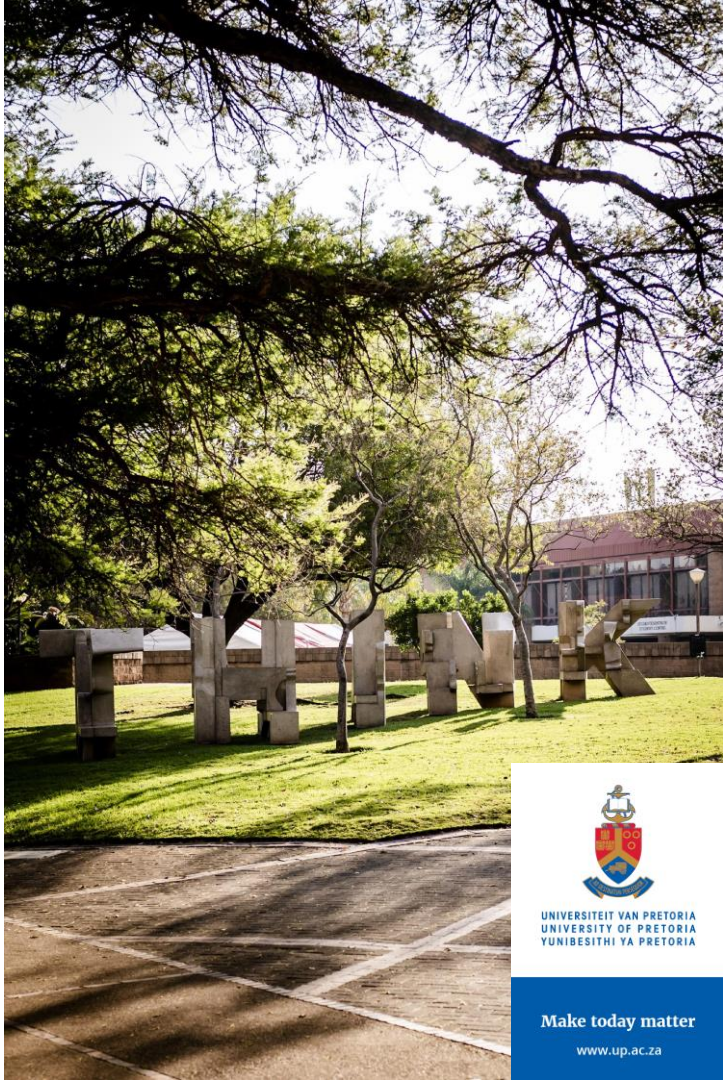
Overview

- Introduction
- Open Access Institutional repositories
- The research lifecycle
- Research visibility and impact framework
- UP Research Data Repository, Figshare
- Institutional Repository, UPSpace
- Sustainable Development Goals (SDGs)
- Conclusion



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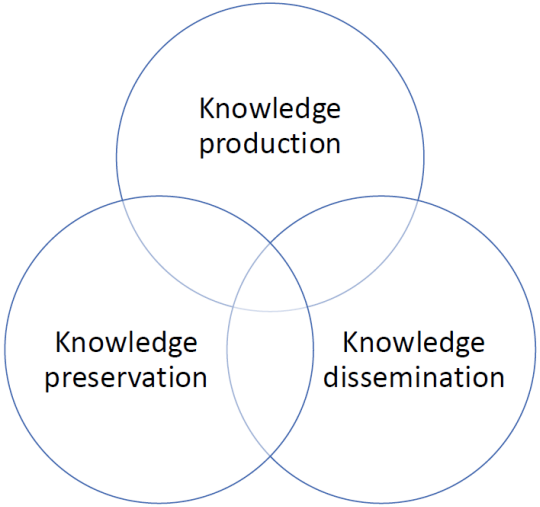
Open Access Institutional Repositories

- Institutional Research Repositories - archiving and disseminating the UP's intellectual outputs.
- UPSpace IR and UP Research data repository (Figshare)
- Google and Google Scholar
- Integration of Altmetric Explorer, ORCID.

The research lifecycle

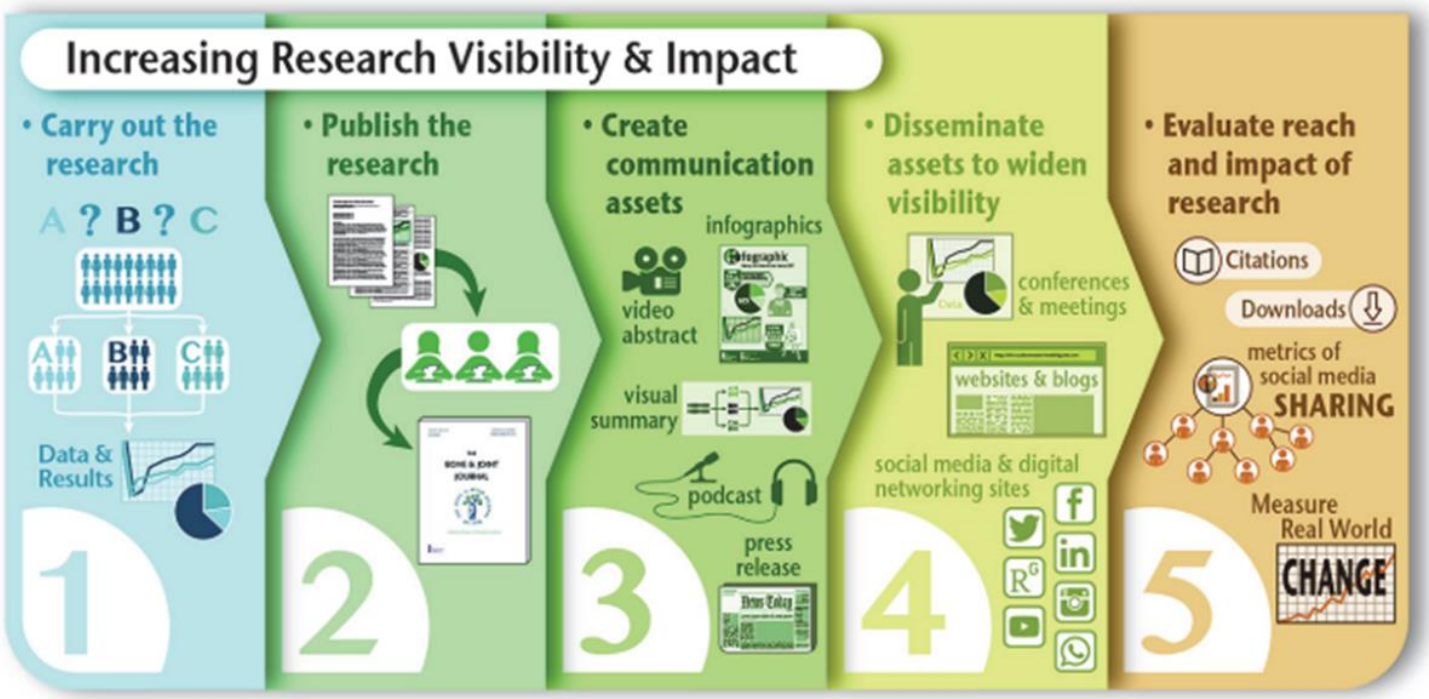
Knowledge as the core business of the university

Regarding knowledge...



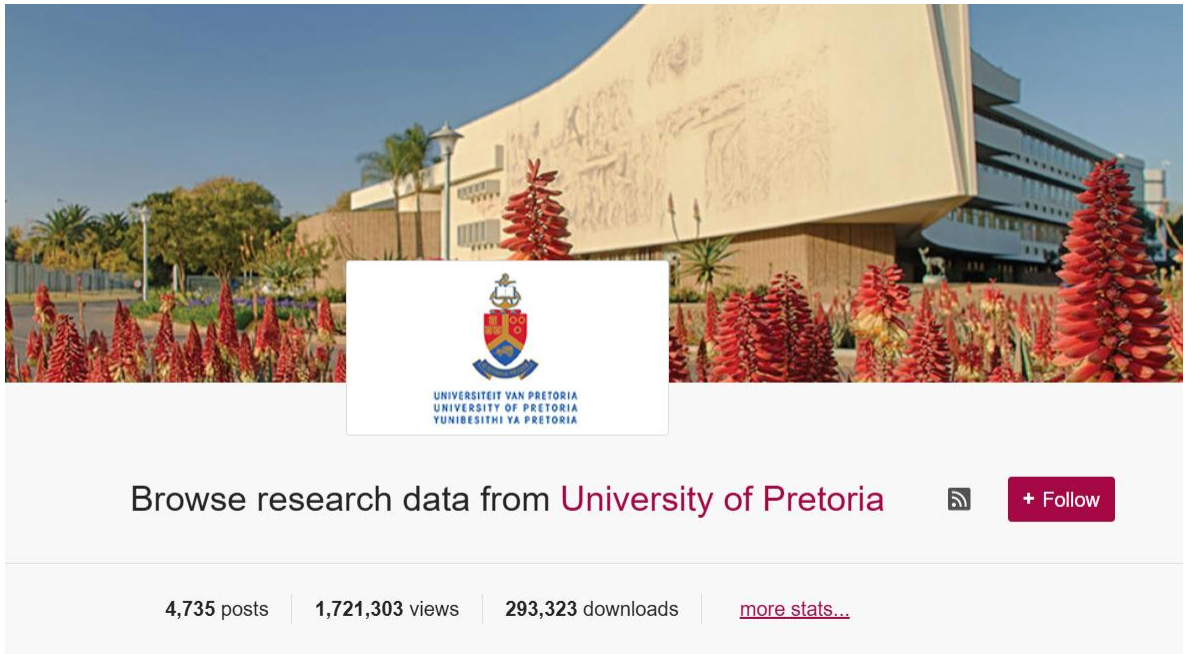
(Mnguni, 2025)

Research visibility and impact framework

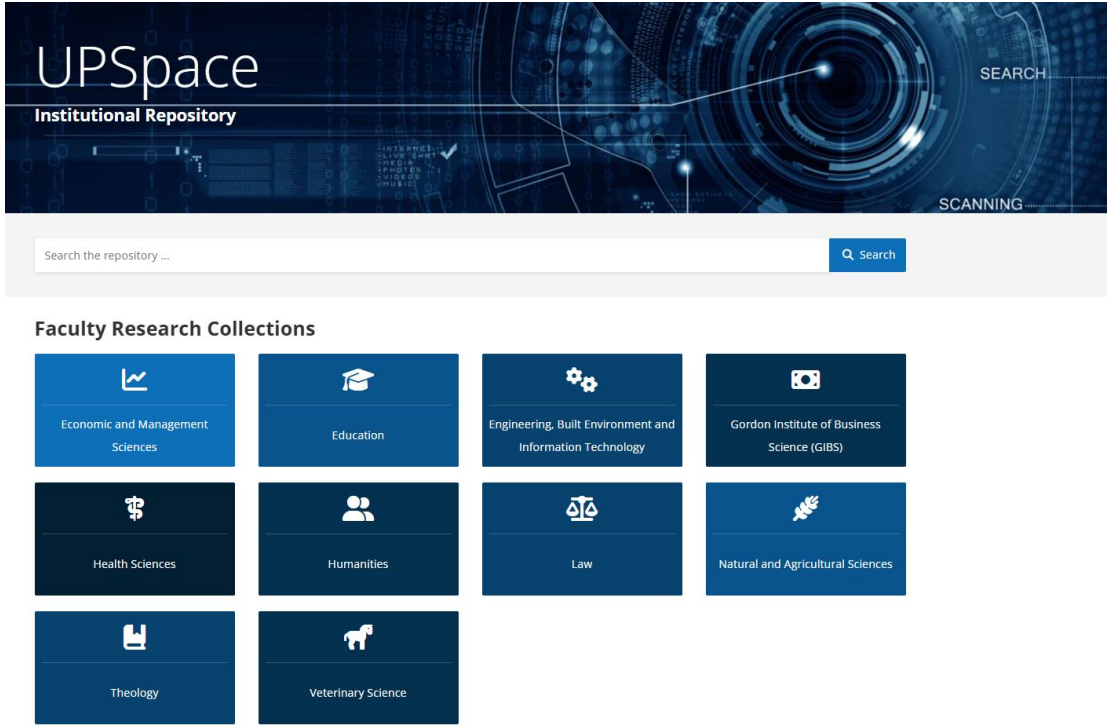


(Murray et al. 2018)

UP Research Data Repository, Figshare



Institutional Repository, UPSpace



UPSpace: disseminate and track your research

COVID-19 vaccines under the international health regulations – we must use the WHO international certificate of vaccination or prophylaxis

Files

Petersen_COVID19_2021.pdf (255.44 KB)

Date

2021-01

Authors

Petersen, Eskild
Lucey, Daniel
Blumberg, Lucille Hellen
Kramer, Laura D.
Al-Abri, Seif
Lee, Shui Shan
De Castro Abreu Pinto, Tatiana
Obiero, Christina W.
Rodriguez-Morales, Alfonso J.
Yapi, Richard

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Abstract

The first vaccines against SARS-CoV-2 have now received emergency use authorization by the U.S. Food and Drug Administration (FDA), European Medicines Agency (EMA) and national authorities in China, India, UK, and Russia; and are rapidly being distributed in more than 30 countries since the end of the 2020. So far vaccines are being used by the respective countries after national approval based on promising efficacy reports and safety data, however, data on some of these vaccines have not yet been published in international peer-reviewed journals. The World Health Organization (WHO) has a role in "pre-qualifying" COVID vaccines, but WHO pre-qualification may not be necessary to record the use of immunization or prophylaxis in WHO International Certificate of Vaccination or Prophylaxis (ICVP, aka Carte Jaune or Yellow Card) as this has not been the case with other vaccines which may not be WHO prequalified. Every dose of any COVID vaccine should be entered in the WHO Yellow Card.

Keywords

Vaccines, Immunization, Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), COVID-19 pandemic, Coronavirus disease 2019 (COVID-19), World Health Organization (WHO)

Citation

Petersen, E., Lucey, D., Blumberg, L. et al. 2021, 'COVID-19 vaccines under the international health regulations – we must use the WHO international certificate of vaccination or prophylaxis', International Journal of Infectious Diseases, vol. 104, pp. 175-177.

URI: http://hdl.handle.net/2263/84851
Date: 2021-01

Mentioned by
- **5** news outlets
- **1** blog
- **16** tweeters
- **1** Facebook page

Citations
- **20** Dimensions

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- **75** Mendeley

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February 2025	0
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May 2025	0
June 2025	1
July 2025	0
August 2025	5

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Petersen_COVID19_2021.pdf	49

Sustainable Development Goals (SDGs)

- UN 2030 Agenda for SDGs.
- Times Higher Education (THE) Impact.
- Methodology (Research, Stewardship, Outreach & Teaching).
- Scopus and Web of Science.

South African SDG Hub

SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK
A GLOBAL INITIATIVE FOR THE UNITED NATIONS

University of Pretoria SDG Initiatives

- Retrospective records (2015-2022).
- Research data and research outputs should address SDGs.
- Keywords.
- Library AI Toolkit (SDG Classifier: Batch & Handle).
- South African SDG Hub.
- Dimensions AI database.

South African SDG Hub

Dimensions

Figshare Record with SDGs

Radar-derived supercell thunderstorm database over the Gauteng and Mpumalanga provinces of South Africa from the warm seasons of 2010/2011 until 2019/2020

Cite | Download (128.3 kB) | Share | Embed | + Collect | ••• | Edit as administrator

Dataset posted on 2023-09-05, 14:49 authored by Christina Liesker

This database is linked to the dissertation: 'Characteristics of warm season supercell thunderstorms over the Gauteng and Mpumalanga Provinces of South Africa'.

The database contains the full track information for 115 left-moving and 6 right-moving supercell thunderstorms that were manually identified using the South African Weather Service's Irene and Ermelo Doppler radar, during the warm seasons (September to February) of 2010/2011 until 2019/2020. Events were classified using both reflectivity features (hook echo, Bounded Weak Echo Region (BWER) and/or Weak Echo Region) and/or Doppler velocity features (rotational couplet). Also provided are details on the criteria used to classify those events.

The README is provided in the first tab of the Excel file and provides more details on the variables included in the database.

HISTORY

- **2023-09-05** - First online date, Posted date

RELATED MATERIALS

1. URL - References http://hdl.handle.net/2263/83956

DEPARTMENT/UNIT

Geography, Geoinformatics and Meteorology

SUSTAINABLE DEVELOPMENT GOALS

- 13 Climate Action

USAGE METRICS

56 views	8 downloads	0 citations

CATEGORIES

- Meteorology
- Adverse weather events

KEYWORDS

Supercell | Severe thunderstorm | Highveld | Mesocyclone | Radar-derived database | Short-term climatology | Weather radar | South Africa | SDG 13 Climate action

LICENCE

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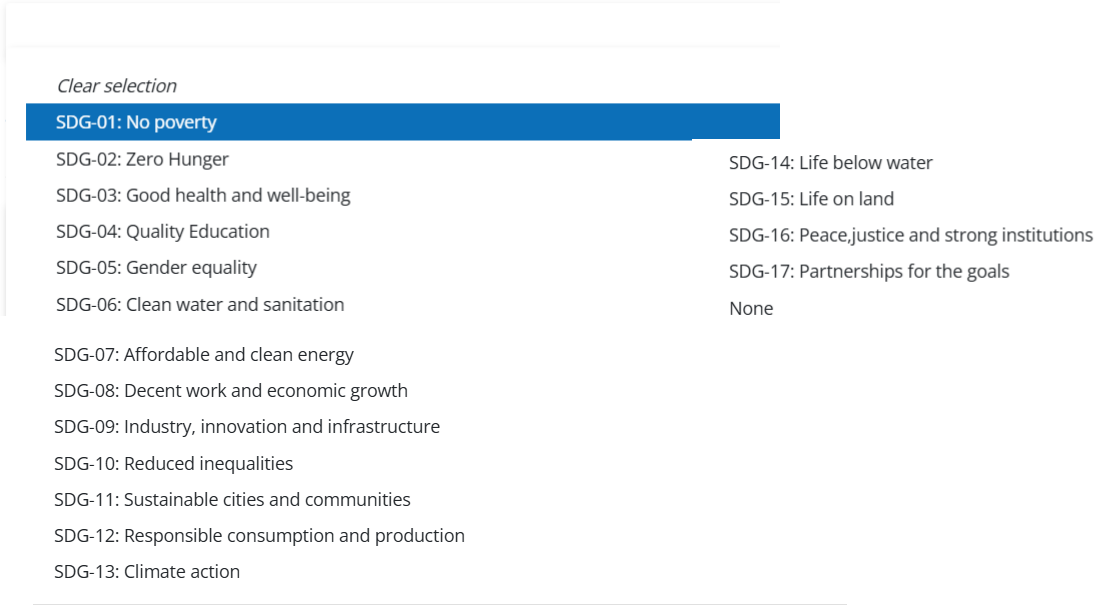
Institutional Repository embedded with SDGs

*Sustainable Development Goals (SDGs) *



UPSpace record embedded with SDGs

Sabbatian influences on the Chassidic and Mitnagdic movements : an excursion into messianic Kabbalah and its disseminators in the aftermath of Shabbatai Tzvi

Files

Michal_Sabbatian_2024.pdf (2.65 MB)

Date

2024-08-30

Publisher

University of Pretoria

Abstract

This study hypothesises that as a result of a thorough analysis of the context and content of rabbinic texts, including the known associations of their authors − spanning the periods of Shabbatai Tzvi, the Baal Shem Tov and the Vilna Gaon − the conclusion can be reasonably drawn that the Chassidic and Mitnagdic movements had been fundamentally subjected to multiple Sabbatian influences and that a causal doctrinal and rabbinic link between Sabbatianism and both the Chassidic and Mitnagdic movements can be demonstrated.

Description

Thesis (PhD (Old Testament Studies))--University of Pretoria, 2024.

Keywords

UCTD, Sustainable Development Goals (SDGs)

Sustainable Development Goals

SDG-04: Quality Education

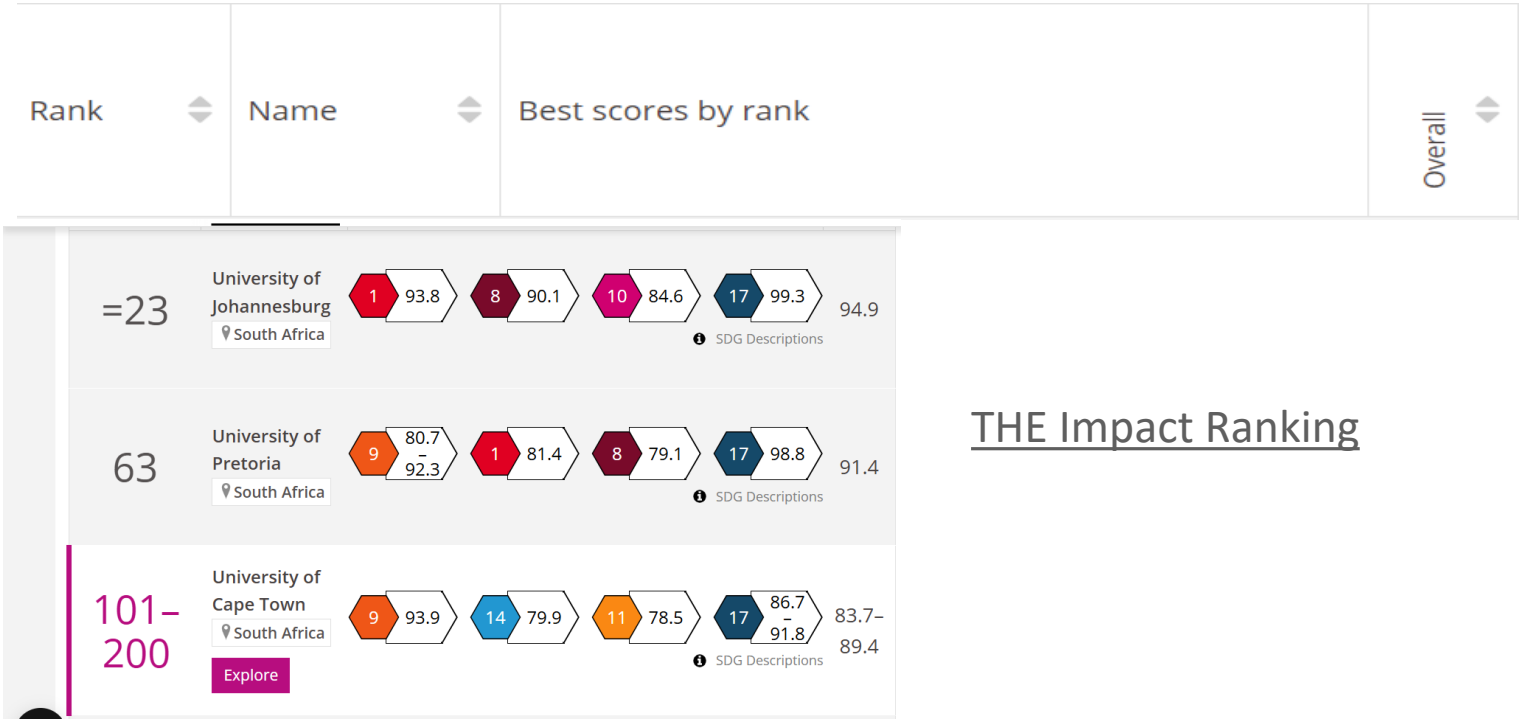
Citation

*

URI

http://hdl.handle.net/2263/103318

THE Impact Rankings 2025



Rank	Name	Best scores by rank	Overall
=23	University of Johannesburg, South Africa	1: 93.8; 8: 90.1; 10: 84.6; 17: 99.3	94.9
63	University of Pretoria, South Africa	9: 80.7 – 92.3; 1: 81.4; 8: 79.1; 17: 98.8	91.4
101–200	University of Cape Town, South Africa	9: 93.9; 14: 79.9; 11: 78.5; 17: 86.7 – 91.8	83.7–89.4

SDG Descriptions

Explore

THE Impact Ranking

Impact Rankings 2025: Methodology

Definitions of areas

Research: the most obvious and traditional way that a university might help deliver the SDGs is by creating research in relevant topics.

Stewardship: universities are custodians of significant resources; not just physical resources, but also their employees, faculty and students. How they act as stewards is one of the key factors in delivering the SDGs.

Outreach: place is critical in higher education, and the work that universities do with their local, regional, national and international communities is another key way that they can have an impact on sustainability.

Teaching: teaching plays a critical role, both in ensuring that there are enough skilled practitioners to deliver on the SDGs, and in making sure that all alumni take forward the key lessons of sustainability into their future careers.

Which SDGs are included?

There are 17 UN SDGs, and we are evaluating university performance on all of them.

“Our mission of disseminating knowledge is only half complete if the information is not made widely and readily available to the society”

- Berlin Declaration on Open Access -