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Linking Veterinary Science Faculty Research and Activities to the UNESCO Sustainable Development Goals: The Role of the Library

Marguerite Nel & Amelia Breytenbach

18th International Open Repositories Conference (OR2023),
12-15 June 2023, Stellenbosch, South Africa



SUSTAINABLE DEVELOPMENT GOALS



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The role of universities in the successful implementation of SDGs

- Conduct research to address the challenges of the SDGs
- Provide education and training that prepares students to become future to contribute to sustainable development
- Engage with local communities and stakeholders to identify and address sustainability challenges, and to promote sustainable practices
- Develop partnerships with other universities, governments, civil society organizations, and the private sector to collaborate on sustainable development initiatives
- Incorporate the SDGs into their institutional policies, strategies, and operations, and strive to be models of sustainable development



Challenges of universities regarding SDGs

- Limited resources
- Not easy to identify and connect with collaborators
- Lack of awareness
- Difficult to measure the impact
- Difficult to communicate and report the evidence on SDG activities and research



Can libraries support universities in the successful implementation of SDGs?



The role of libraries in contributing to the SDGs

- Information Provision
- Research Support
- Collaboration and Partnerships
- Education and Awareness
- Local Engagement
- Open Access and Knowledge Sharing
- Monitoring and Evaluation



What more can libraries offer?



Skills and expertise of academic librarians

- Information management (collection, dissemination, preservation, organization, communication, etc.)
- Sophisticated search skills
- Knowledge of IT infrastructure and metadata
- Access to information resources
- Established library tools and platforms (including repositories)





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The Jotello F. Soga Library initiative

Make today matter

Background

- Faculty of Veterinary Science
- Jotello F Soga Library



Motivation for the project

- Sustainability-related reporting in higher education is an emerging space –
 - rankings and funding
- Current and future societal challenges
- Information resources and databases – link to SDGs
 - Examples:
 - Elsevier (Scopus)
 - Sustainable Development Goals Online collection from Taylor & Francis
 - OCLC Report ("Libraries Model Sustainability": The Results of an OCLC Survey on Library Contributions to the Sustainable Development Goals)
- University of Pretoria initiatives:
 - 2020 SDG Progress Report, Prof Kupe
 - South African SDG Hub
 - machine-learning-based classification tool



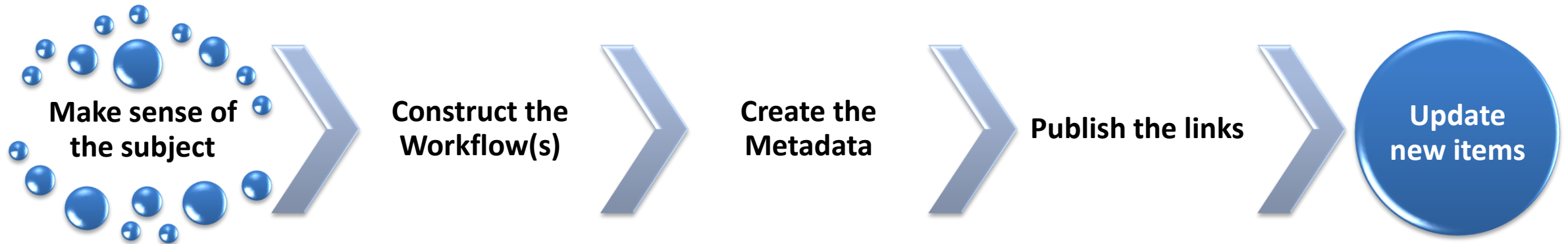
Motivation for the project (cont.)

- Resources:
 - Skills and knowledge (metadata)
 - Access to information and resources (e.g., catalogue and collections)
 - Institutional repositories (UPSpace)
 - Subject guides



Process followed

“The only impossible journey is the one you never begin” – Tony Robbins



Making sense of the content and subject area

General and subject specific

- Review relevant information
 - Wikipedia
 - United Nations Department of Economic and Social Affairs
 - Literature related to University's role in SDGs
 - Animal health – related to SDGs (e.g., FAO)
 - Other
- Develop keywords

 **Subject guide**



Veterinary Science SDG Subject guide Home (1)

Veterinary Science: Sustainable Development Goals: Home

This Library guide is to provide a knowledge portal for veterinary science researchers and students when doing research on SDGs by providing links to appropriate SDG information resources.

[Home](#)[Learn More About the SDG's](#)[SDG-related Veterinary Science Research at UP](#)

About the UN Sustainable Development Goals

The UN Sustainable Development Goals (SDGs), also known as the Global Goals, are a collection of 17 goals designed to provide a shared blueprint for peace and prosperity for people and the planet, now and into the future.

The SDGs were set up in 2015 by the United Nations General Assembly and are intended to be achieved by the year 2030. The 17 SDG's are an urgent call for action by developed and developing countries. Countries in Africa such as Ethiopia, Angola and South Africa worked with UN Country Teams and the United Nations Development Programme to provide support to create awareness about SDGs among many sectors like government officers, private sector workers, MPs and the civil society.

Everyone can contribute and the veterinary profession can also make sure the Global Goals are met. The veterinary profession should identify areas for which it has responsibility and where animals play an important role in the context of sustainable development. For example in SDG 3, owning a pet was mentioned as being associated with improved physical and psychological health of the owner. A better future is possible if we acknowledge that animals matter and that animal welfare is an important element of sustainable development. Adherence to animal welfare principles will lead to positive impacts for poverty eradication, food security, public health, climate change and biodiversity.

With this Libguide you can read more about the goals, find organizations to support and information to share. Our main aim with the Libguide is to highlight the Faculty of Veterinary Science contributions to the 17 Sustainable Development Goals through their research and activities.

(Sources: [Wikipedia](#) and [United Nations Department of Economic and Social Affairs](#))



University of Pretoria SDG News

- [UP releases first SDG progress report](#)
UP's SDG report focuses on the period 1 January 2020 to 31 December 2020, and looks at how the University's operational activities and core functions of research, education and engagement are working towards achieving the UN SDG goals.
- [South African SDG Hub](#)

Animal Health and the SDGs

- [Veterinarians' Contribution to the UN Sustainable Development Goals \(SDG\) "Reflection paper"](#)
- [Animal Welfare and the United Nations Sustainable Development Goals](#)
- [The Veterinary Sustainability Goals](#)
- [Sustainable Development Goals and livestock systems](#)

Veterinary Science SDG Subject guide: Learn More about the SDGs (2)

Veterinary Science: Sustainable Development Goals: Learn More About the SDG's

This Library guide is to provide a knowledge portal for veterinary science researchers and students when doing research on SDGs by providing links to appropriate SDG information resources.

[Home](#)[Learn More About the SDG's](#)[SDG-related Veterinary Science Research at UP](#)

Resources About the SDGs

Below are selected courses, tools and resources related to the SDGs.



Online SDG Courses

- [The SDG Academy](#)
The SDG Academy is the Sustainable Development Solutions Network's flagship education initiative. The Network brings together the world's experts to create and deliver educational content on critical issues for the future of people and planet.
- [Massachusetts Institute of](#)

Print Books in the Catalogue



[Contested Ecologies](#) by Lesley Green
(Editor) ⓘ
ISBN: 9780796924285
Publication Date: 2013-09-15

Electronic Books in the Catalogue

Click [here](#) for a list of electronic books in the catalogue about the Sustainable Development Goals. (For UP Library staff and students only)

Open Education Resources and SDG's

- [Sustainable Development Goals OER's \(OpenEd](#)

SDGs and Animal health

“When animals and their habitats are healthy and cared for, every one of us benefits.”

Healthy animals can contribute to key SDGs



Livestock provide an **irreplaceable pathway out of poverty** for a billion people, while offering valuable nutrition for communities.



Our mental health is a cornerstone of well-being, and **pets provide faithful support** during difficult, stressful times.



Healthier animals have a smaller environmental footprint, it's why the UNFAO says “animal health is necessary for sustainable livestock production.”



Veterinary Science SDG Subject guide: SDG-related Veterinary Science Research at UP (3)



Veterinary Science: Sustainable Development Goals: SDG-related Veterinary Science Research at UP

This Library guide is to provide a knowledge portal for veterinary science researchers and students when doing research on SDGs by providing links to appropriate SDG information resources.

[Home](#)

[Learn More About the SDG's](#)

[SDG-related Veterinary Science Research at UP](#)

SDG Goal 1: No Poverty



End poverty in all its forms everywhere. Protecting animal health can grow economies and lift hundreds of millions out of poverty. Many poor people around the world depend directly on livestock for their livelihoods. For them farm animals are a major asset - providing them with capital or their only source of income.

[UP Faculty of Veterinary Science articles \(Open access\)](#)

[UP Faculty of Veterinary Science theses \(Open access\)](#)

[UP Faculty of Veterinary Science activities](#)

SDG Goal 2: Zero Hunger



End hunger, achieve food security and improved nutrition and promote sustainable agriculture. Farm animals play an important role in food security, providing protein in people's diets at global level. With our population rising, we must feed more people in the coming decade than ever before. Fewer animals lost to disease means less food waste and more milk, meat and eggs available for our tables. Livestock also provides animal traction and manure for fertilisation in crop productivity. Conserving wildlife are critical to reduce global hunger.

[UP Faculty of Veterinary Science articles \(Open access\)](#)

[UP Faculty of Veterinary Science theses \(Open access\)](#)

SDG Goal 3: Good Health and Well-Being



Ensure healthy lives and promote well-being for all at all ages. Healthier animals mean healthier people. Food sourced from animals are important to nutrition and health but can also be a threat to human health. Some animal diseases are zoonotic which can infect humans. The livestock sector is also a major contributor to global Antimicrobial Resistance (AMR) – a rapidly emerging threat to human health. The One Health approach should be made a priority to attain optimal health for people, animals and the environment. Animal welfare also helps support long-term human health, which is integral to the physical and psychological health of communities

[UP Faculty of Veterinary Science articles \(Open access\)](#)

1 NO POVERTY



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[UP Faculty of Veterinary Science activities](#)

2 ZERO HUNGER



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[UP Faculty of Veterinary Science articles \(Open access\)](#)

[UP Faculty of Veterinary Science theses \(Open access\)](#)

[UP Faculty of Veterinary Science activities](#)

3 GOOD HEALTH AND WELL-BEING



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[UP Faculty of Veterinary Science articles \(Open access\)](#)

[UP Faculty of Veterinary Science theses \(Open access\)](#)

[UP Faculty of Veterinary Science activities](#)

Example:

- Keywords identified to assist with the tagging of SDG-3:
 - Animal health
 - Pets
 - Human-animal relationship
 - One Health
 - Zoonoses
 - Antimicrobial resistance
 - Animal welfare

SDG Goal 3: Good Health and Well-Being



Ensure healthy lives and promote well-being for all at all ages. Healthier animals mean healthier people. Food sourced from animals are important to nutrition and health but can also be a threat to human health. Some animal diseases are zoonotic which can infect humans. The livestock sector is also a major contributor to global Antimicrobial Resistance (AMR) – a rapidly emerging threat to human health. The One Health approach should be made a priority to attain optimal health for people, animals and the environment. Animal welfare also helps support long-term human health, which is integral to the physical and psychological health of communities



Keywords

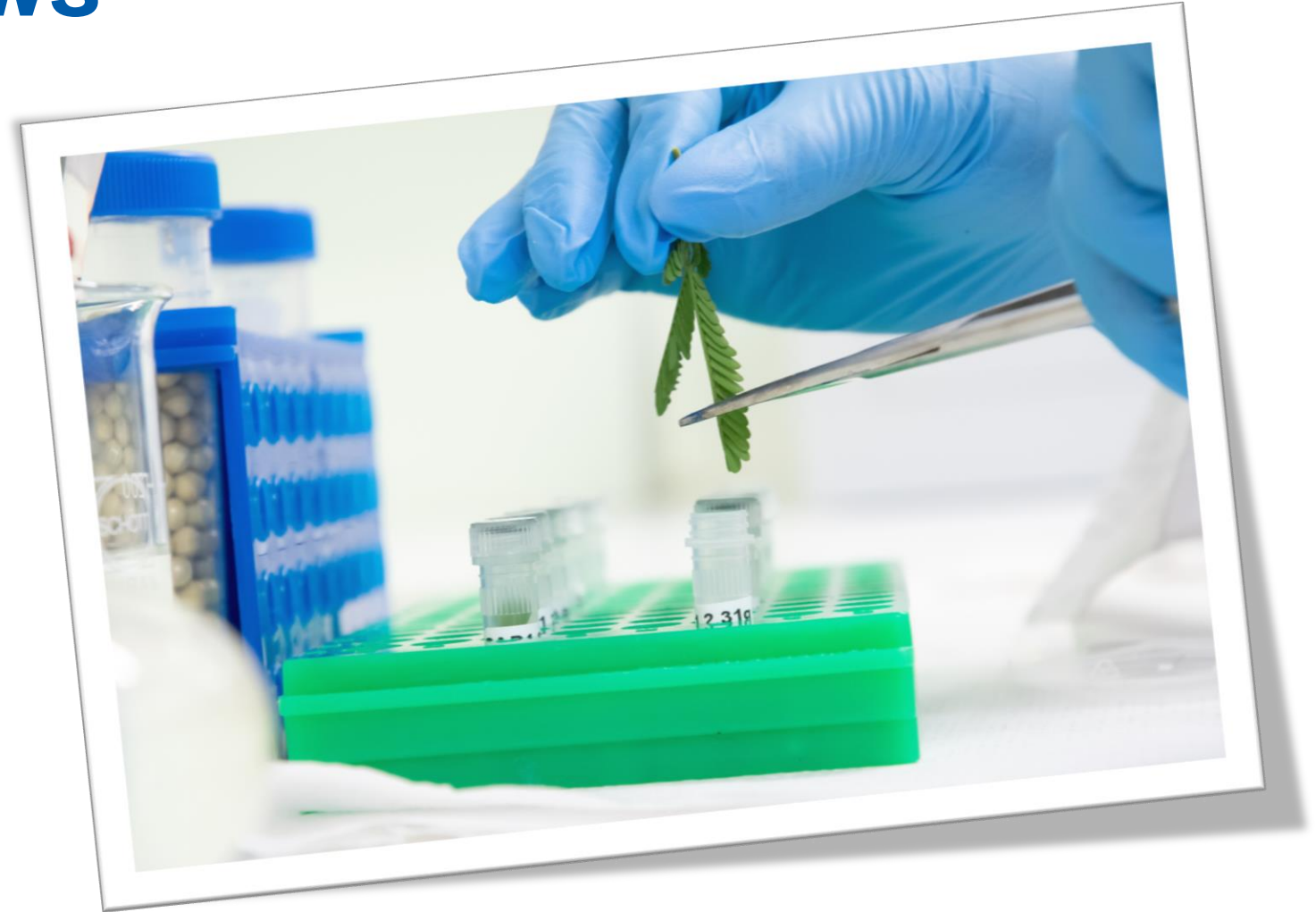
1. No Poverty	2. Zero Hunger
Economic reliance: <ul style="list-style-type: none"> Animals for income Working animals Wildlife crimes <ul style="list-style-type: none"> Poaching 	Chronic hunger <ul style="list-style-type: none"> Food security Animal resources inefficient Food forests
3. Good Health and Well-Being	4. Quality Education
One Health Anti-microbial resistance (AMR) Factory farms disease breeding grounds Animal experimentation Pet assisted therapy	Humane education <ul style="list-style-type: none"> Compassion, respect, proper care for animals Animal cruelty Veterinary professionals welfare training
5. Gender Equality	6. Clean Water and Sanitation
Women reliant on animals for livelihood <ul style="list-style-type: none"> Livestock keepers Women as veterinarians Domestic violence/animal abuse linked Women as animal protectors	Water footprint of animals <ul style="list-style-type: none"> Beef requires more water to produce than vegetables Livestock waste pollution Pollution of waterways <ul style="list-style-type: none"> Pharmaceuticals and illegal drugs in rivers
7. Affordable and Clean Energy	8. Decent Work and Economic Growth
Energy production methods <ul style="list-style-type: none"> Harmful to local ecosystems Wildlife casualties Use of working animals <ul style="list-style-type: none"> High standards of animal welfare Reduce mortality and increase work output 	Reliant on animals for livelihoods Wildlife tourism <ul style="list-style-type: none"> Major industry Wildlife watching tours Consumptive tourism <ul style="list-style-type: none"> Hunting and fishing
9. Industry, Innovation and Infrastructure	10. Reduced Inequalities
Replacing animal research Alternative protein industry (Plant-based)	Wildlife crime is driven by economic inequalities High-risk jobs in the meat industry

Keywords

<p>Reduce the impact of infrastructure on wildlife, animals and habitat</p> <ul style="list-style-type: none"> • Avoid wilderness areas • Over- and underpasses for animals reduces roadkill 	<p>Harm of animals linked to histories of oppression</p> <ul style="list-style-type: none"> • Veldfires • Extermination of animals due to traditional beliefs
11. Sustainable Cities and Communities	12. Responsible Consumption and Production
<p>Spay/Neuter and vaccination programs</p> <ul style="list-style-type: none"> • Control populations • Control the spread of zoonotic diseases <p>Reducing violence toward animals</p> <ul style="list-style-type: none"> • Safer communities • Animal cruelty linked to abuse of humans 	<p>Increase in global food production</p> <p>Alternatives to animal agriculture</p> <p>Plant agriculture negative impact on animals</p> <p>Land to support livestock must be returned to nature</p>
13. Climate Action	14. Life Below Water
<p>Animal production emissions</p> <p>Biodiversity impact</p> <ul style="list-style-type: none"> • Species extinction • Animal migration – the risk of spread of zoonotic diseases • Ocean acidification destroying sea life <p>Domestic and wild animals at risk from increased climate-related disasters</p> <ul style="list-style-type: none"> • Droughts • Severe rain storms 	<p>Overfishing</p> <p>Aquaculture</p>
15. Life On Land	16. Peace, Justice and Strong Institutions
<p>Ecosystems not human dominated</p> <p>Species extinction</p>	<p>Wildlife crime largest global trade</p>
17. Partnerships for the Goals	
<p>Animal welfare and conservation recognized in international policy</p> <p>NGO's</p> <p>Private industry behind ecotourism and animal-friendly advances</p>	

Construct workflows

- Identify content (collections)
 - Collections:
 - Articles
 - Theses
 - Activities
- Excel lists
 - To manage the workflow



Faculty research collections

Veterinary Science

Browse by

[Issue Date](#)
[Authors](#)
[Titles](#)
[Subjects](#)
[Supervisor](#)
[UP Author](#)
[UP Postgraduate](#)
[Type](#)

Search within this community and its collections: [Go](#)

Sub-communities within this community

- African Veterinary Information Portal **403**
- Anatomy and Physiology **311**
- Biomedical Research Centre **4**
- Centre for Veterinary Wildlife Studies **58**
- Companion Animal Clinical Studies **463**
- Department of Library Services Collections **164**
- Equine Research Centre **51**
- Events (Faculty of Veterinary Science) **1**
- Hans Hoheisen Wildlife Research Station **6**
- History of the Faculty of Veterinary Science **565**
- Onderstepoort Skills Laboratory **26**
- Paraclinical Sciences **843**
- Production Animal Studies **639**
- Researchers (Veterinary Science) **0**
- Veterinary Grey Literature **1**
- Veterinary Tropical Diseases **1174**
- Veterinary Wildlife Unit **1**

Search UPSpace

[Go](#)

- Search UPSpace
 This Community

Browse

All of UPSpace

[Communities & Collections](#)
[Issue Date](#)
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[UP Postgraduate](#)
[Type](#)

This Community

[Issue Date](#)
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[UP Author](#)
[UP Postgraduate](#)
[Type](#)



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UPSpace Institutional Repository

Department of
Library Services



[UPSpace Home](#) → [Veterinary Science](#) → [Anatomy and Physiology](#)

Anatomy and Physiology

Browse by

[Issue Date](#) [Authors](#) [Titles](#) [Subjects](#) [Supervisor](#) [UP Author](#) [UP Postgraduate](#) [Type](#)

Search within this community and its collections: [Go](#)

Sub-communities within this community

- [Christine Seegers Biomedical Illustrations](#) **93**

Collections in this community

- [Multimedia \(Anatomy and Physiology\)](#) **9**
- [Research Articles \(Anatomy and Physiology\)](#) **185**
- [Theses and Dissertations \(Anatomy and Physiology\)](#) **24**

Search UPSpace

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- Search UPSpace
 This Community

Browse

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Faculty research collections

Veterinary Science

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[UP Postgraduate](#)
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Search within this community and its collections: [Go](#)

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This Community

[Issue Date](#)
[Authors](#)
[Titles](#)
[Subjects](#)
[Supervisor](#)
[UP Author](#)
[UP Postgraduate](#)
[Type](#)

Activities of the faculty

History of the Faculty of Veterinary Science

Browse by

Issue Date

Authors

Titles

Subjects

Supervisor

UP Author

UP Postgraduate

Type

Search within this community and its collections:

Go

Collection of material capturing the beginning and development of the Faculty of Veterinary Science.

News

For inquiries regarding this collection or items in the collection, please contact [Myleen Oosthuizen](#) Tel.: +27 12 529 8007

Collections in this community

- [Arnold Theiler Memorial Lectures](#) 22
- [Early Veterinary Theses: University of South Africa, 1920-1950](#) 12
- [Faculty Day Posters](#) 28
- [Faculty Day Programmes](#) 36
- [Faculty of Veterinary Science Centenary Celebration, 2020](#) 32
- [Faculty of Veterinary Science Class Photos](#) 125
- [Faculty of Veterinary Science Speeches](#) 7
- [Faculty of Veterinary Science Web News](#) 279
- [OP News](#) 31

Metadata creation and tagging

- Tagging of veterinary science open access **articles, theses** and **news articles** – from 2015 when SDG initiative started
- Each item is tagged according to the SDG description and keywords extract from the description
- Consistency in terminology!
- Dublin Core field: dc.subject.other

	matched vaccine candidate within a short space of time and holds enormous potential for the poultry industry.	
dc.description.availability	Unrestricted	
dc.description.degree	PhD	
dc.description.department	Production Animal Studies	
dc.identifier.citation	Smith, T 2020, Development and efficacy testing of plant-produced virus-like particle vaccines against H6 avian influenza virus in chickens, PhD Thesis, University of Pretoria, Pretoria, viewed yymmdd < http://hdl.handle.net/2263/76794 >	
dc.identifier.other	A2020	
dc.identifier.uri	http://hdl.handle.net/2263/76794	
dc.language.iso	en	
dc.publisher	University of Pretoria	
dc.rights	© 2020 University of Pretoria. All rights reserved. The copyright in this work vests in the University of Pretoria. No part of this work may be reproduced or transmitted in any form or by any means, without the prior written permission of the University of Pretoria.	
dc.subject	UCTD	
dc.subject.other	Veterinary science theses SDG-01	en_ZA
dc.subject.other	SDG-01: No poverty	en_ZA
dc.title	Development and efficacy testing of plant-produced virus-like particle vaccines against H6 avian influenza virus in chickens	
dc.type	Thesis	

Examples of the Tags in UPSpace

Tags for the different links in the Subject guide

Subject

Veterinary science articles SDG-01 [84]
Veterinary science articles SDG-02 [47]
Veterinary science articles SDG-03 [100]
Veterinary science articles SDG-04 [3]
Veterinary science articles SDG-06 [5]
Veterinary science articles SDG-08 [5]
Veterinary science articles SDG-09 [5]
Veterinary science articles SDG-10 [2]
Veterinary science articles SDG-11 [10]
Veterinary science articles SDG-12 [4]
Veterinary science articles SDG-14 [4]
Veterinary science articles SDG-15 [66]
Veterinary science articles SDG-17 [2]

Veterinary Science
Articles

Subject

Veterinary science theses SDG-01 [55]
Veterinary science theses SDG-02 [20]
Veterinary science theses SDG-03 [28]
Veterinary science theses SDG-06 [3]
Veterinary science theses SDG-08 [3]
Veterinary science theses SDG-09 [1]
Veterinary science theses SDG-10 [2]
Veterinary science theses SDG-11 [8]
Veterinary science theses SDG-12 [2]
Veterinary science theses SDG-14 [3]
Veterinary science theses SDG-15 [13]
Veterinary science theses SDG-16 [3]

Veterinary Science
Theses

Subject

Veterinary science activities SDG-01 [15]
Veterinary science activities SDG-02 [11]
Veterinary science activities SDG-03 [31]
Veterinary science activities SDG-04 [24]
Veterinary science activities SDG-05 [11]
Veterinary science activities SDG-08 [2]
Veterinary science activities SDG-09 [1]
Veterinary science activities SDG-10 [4]
Veterinary science activities SDG-11 [5]
Veterinary science activities SDG-12 [1]
Veterinary science activities SDG-13 [2]
Veterinary science activities SDG-14 [2]
Veterinary science activities SDG-15 [24]
Veterinary science activities SDG-16 [1]
Veterinary science activities SDG-17 [16]

Veterinary Science
Activities



Building the links

- Search in UPSpace
- Build search- string in Subject guide link
- Subject guide links to UPSpace

Browsing by Subject "Veterinary science activities SDG-17"

0-9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Or enter first few letters:

Sort by: Order: Results:

Now showing items 1-16 of 16

Faculty collaborates with Tshwane Speaker's Office to expose learners to Veterinary Science

Van Blerk, Chris; University of Pretoria. Faculty of Veterinary Science (2016-06-02)

The visit was made possible by collaboration between the Faculty and the Office of the Speaker in the City of Tshwane. According to Ms Duduzile Malatsi, Deputy Director in the Office of the Speaker, the various departments ...

Faculty DVTD staff attend 4th ICPOW and 50th annual PARSA conference

Marufu, Chris; University of Pretoria. Faculty of Veterinary Science; Van Blerk, Chris (2022-09-30)

The Parasitological Society of Southern Africa (PARSA) recently celebrated its golden jubilee in style as the 50th PARSA Conference was held together with the 4th International Conference on Parasites of Wildlife from 11 ...

Faculty hosts Research for Africa Network (ERFAN) workshop to improve research and collaboration between African countries

Van Blerk, Chris; University of Pretoria. Faculty of Veterinary Science (2017-10-10)

The event which took place on 4 and 5 October was organised by the Faculty of Veterinary Science (Department of Veterinary Tropical Diseases) and the Istituto Zooprofilattico Sperimentale of Abruzzo and Molise "G.Caporale", ...



Retrieving the Links

Subject

- [Veterinary science activities SDG-1 \[11\]](#)
- [Veterinary science activities SDG-10 \[1\]](#)
- [Veterinary science activities SDG-13 \[1\]](#)
- [Veterinary science activities SDG-14 \[1\]](#)
- [Veterinary science activities SDG-15 \[16\]](#)
- [Veterinary science activities SDG-16 \[1\]](#)
- [Veterinary science activities SDG-17 \[10\]](#)
- [Veterinary science activities SDG-2 \[6\]](#)
- [Veterinary science activities SDG-3 \[13\]](#)
- [Veterinary science activities SDG-4 \[10\]](#)
- [Veterinary science activities SDG-5 \[6\]](#)
- [Veterinary science activities SDG-8 \[2\]](#)
- [Veterinary science activities SDG-9 \[1\]](#)

The screenshot shows a web browser window with the URL `repository.up.ac.za/browse?value=Veterinary+science+activities+SDG-17&type=subject` highlighted in a red oval. Below the browser, the website header for 'UPSpace Institutional Repository' is visible, including the University of Pretoria logo and 'Department of Library Services'. The main content area shows 'Browsing by Subject "Veterinary science activities SDG-17"' with a search bar containing '0-9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z'. Below the search bar are sorting options: 'Sort by: title', 'Order: ascending', and 'Results: 20'. A red arrow points from the search bar area to the list of links on the right. The list includes three items: 'Faculty collaborates with Tshwane Speaker's Office to expose learners to Veterinary Science', 'Faculty showcases its CEn programme to the steering committee of the USRN', and 'The University Social Responsibility Network (USR Network/USRN) was inaugurated on 9 October 2015 in Hong Kong'.

SDG Goal 17: Partnerships for the Goals



Strengthen the means of implementation and revitalize the global partnership for sustainable development. To reach these goals and have a shared vision it requires partnerships between governments, private sector and civil society. In the animal and livestock sector stakeholders must join together to share knowledge, develops cutting-edge tools and promotes an integrated approach for sustainable livestock.

- [UP Faculty of Veterinary Science articles \(Open access\)](#)
- [UP Faculty of Veterinary Science theses \(Open access\)](#)
- [UP Faculty of Veterinary Science activities](#)



Publish the links

energy in a wide range of production systems.

[UP Faculty of Veterinary Science articles](#) (Open access)

[UP Faculty of Veterinary Science theses](#) (Open access)

[UP Faculty of Veterinary Science activities](#)

health. Through tourism, agriculture and other industries, animals naturally form the backbone of economic growth and livelihoods in many communities.

[UP Faculty of Veterinary Science articles](#) (Open access)

[UP Faculty of Veterinary Science theses](#) (Open access)

[UP Faculty of Veterinary Science activities](#)

small producers should have access to markets.

[UP Faculty of Veterinary Science articles](#) (Open access)

[UP Faculty of Veterinary Science theses](#) (Open access)

[UP Faculty of Veterinary Science activities](#)

SDG Goal 10: Reduced Inequalities



Reduce inequality within and among countries. Livestock are a source of income to poor rural households and give them a chance to participate in markets. Significant inequalities can be seen due to disparities in access to land and water. Ownership and development of small-scale livestock rearing can contribute to reducing these inequalities

[UP Faculty of Veterinary Science articles](#) (Open access)

[UP Faculty of Veterinary Science theses](#) (Open access)

[UP Faculty of Veterinary Science activities](#)

SDG Goal 11: Sustainable Cities and Communities



Make cities and human settlements inclusive, safe, resilient and sustainable. More people are now living in cities than in rural areas. Urban agriculture and livestock provide many benefits but also present significant risks. Zoonoses can develop in the absence of proper sanitation and infrastructure particularly in developing countries. Instead of banning urban livestock the producers and sellers should be supported to practice good hygiene and upgrade their facilities and activities.

[UP Faculty of Veterinary Science articles](#) (Open access)

[UP Faculty of Veterinary Science theses](#) (Open access)

[UP Faculty of Veterinary Science activities](#)

SDG Goal 12: Responsible Consumption and Production



Ensure sustainable consumption and production patterns. Healthier animals have a smaller environmental footprint. Diets of the population feature more livestock products and will increase with time. Reducing animal-source food in diets could bring large environmental and health benefits. Almost one third of all food produced is lost or wasted between field and fork. By limiting wastes and losses along the supply chain we can contribute to improved efficiency and sustainability.

[UP Faculty of Veterinary Science articles](#) (Open access)

[UP Faculty of Veterinary Science theses](#) (Open access)

[UP Faculty of Veterinary Science activities](#)

Update new items

- Created alerts
- Became part of the daily workflow (routine)



The way forward

New developments

- Expanded to all UP faculties
 - Collaboration between:
 - Cataloguers
 - Open Scholarship
 - Information specialists
 - IT support
- Additional metadata to tag all UP research to specific SDGs
- Adapted and expanded the Subject guide:
 - Overview of UP's total research output
 - All faculties included
- Build-in drop-down menus to guide self- submission of articles and documents



Conclusion



Thank you!

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