



MUT
MANGOSUTHU
UNIVERSITY OF TECHNOLOGY

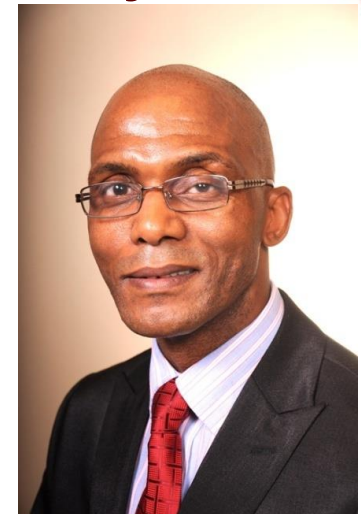




Environmental Health Curriculum and SDGs

World Environmental Health Commemoration Day,
26 Sept 2022, Virtual Platform

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Background on South Africa Environmental Health Training Institutions

The Environmental Health Higher Education and Training institutions [HET] in South Africa:

1. Operate within a theory context of acquiring and imparting philosophical and professional knowledge to produce a cadre of Environmental Health Practitioners.
2. Focus on realigning theory and practice to prepare learners for the world of work and remain relevant to current practices.
3. Ultimately aim to produce graduates that have necessary professional competences to effectively deliver the desired services.
4. Are the production wing of the Environmental Health profession.
5. Are key partners for sustaining the environmental health profession and ensuring its relevance.

Background on South Africa Environmental Health Training Institutions

The purpose of offering the Environmental Health Professional Degree qualification is primarily:

- To produce a corps of Environmental Health Practitioners that will be able to implement the principles of risk assessment and management in order to improve the health of the community and contribute to sustainable development. *[Sustainable Development is integral part]*
- To offer curriculum that will enable graduates to be able to evaluate the effectiveness and efficiency of control measures in order to make necessary improvements.
- To develop competences for applying research skills and interpret and apply legislation, regulations and policies related to Environmental Health and to advise/educate role players on specific issues.
- To produce graduates that are able to communicate effectively, foster entrepreneurship, uphold professional and Environmental Health ethics and manage human and financial resources within the scope of profession.

Integration of Sustainable Development in Environmental Health Curriculum

All seven EH Higher Education and Training institutions have a compulsory stand alone sustainable development module and integrate SDGs in the Environmental Health curriculum.

EH Institutions integrating Sustainable Development in Curriculum as at Sept 2022

Institution	SD module	Integration to other Modules
1. Mangosuthu University of Technology (MUT)	Compulsory to Level 1	SDG content Integrated to modules
2. Tshwane University of Technology (TUT)	Compulsory to Level 2	SDG content Integrated to modules
3. Cape Peninsula University of Technology (CPUT)	Compulsory to Level 1	SDG content Integrated to modules
4. Durban University of Technology (DUT)	Compulsory to Level 1	SDG content Integrated to modules
5. Central University of Technology (CUT)	Compulsory to Level 1	SDG content Integrated to modules
6. Nelson Mandela Metropolitan University (NMMU)	Compulsory to Level 1	SDG content Integrated to modules
7. University of Johannesburg (UJ)	Compulsory to Level 1	SDG content Integrated to modules

Integration of Sustainable Development in Environmental Health Curriculum

What informs the content of Sustainable Development in the Environmental Health curriculum: *Health hazards*

HOW THE ENVIRONMENT IMPACTS OUR HEALTH

People are exposed to risk factors in their homes, work places and communities through:



WHO IS MOST IMPACTED BY THE ENVIRONMENT

Environmental impacts on health are uneven across age and mostly affect the poor.

Low- and middle-income countries bear the greatest share of environmental disease.



Men are slightly more affected due to occupational risks and injuries.

Women bear higher exposures to traditional environmental risks such as smoke from cooking with solid fuels or carrying water.

Children under five and adults between 50 and 75 years old are most affected by the environment.



YEARLY

5.2 MILLION Deaths in adults

between 50 and 75 years. The most common causes are noncommunicable diseases and injuries.

1.6 MILLION Deaths in children

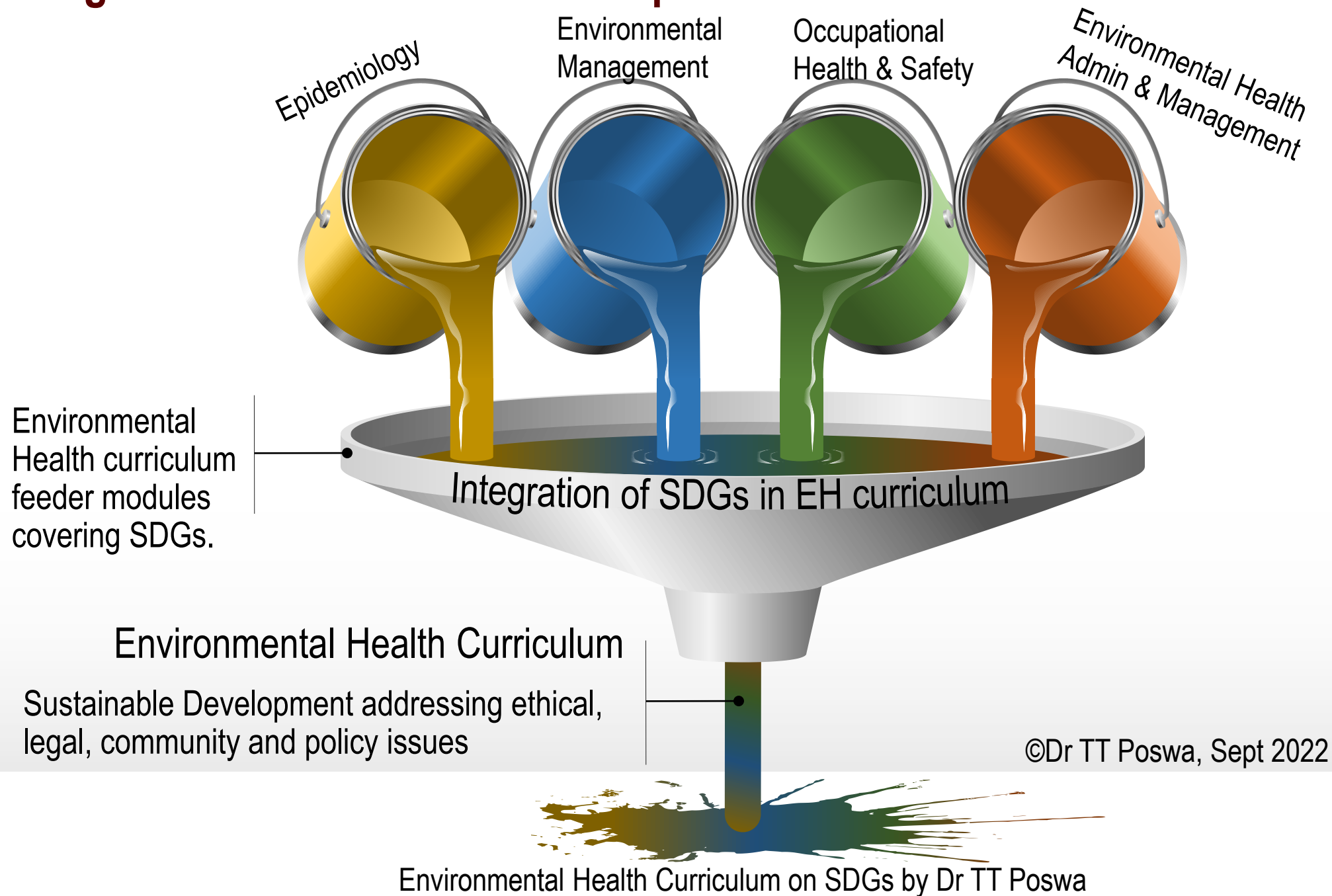
under five. The most prominent causes are lower respiratory infections and diarrhoeal diseases.

Integration of Sustainable Development in Environmental Health Curriculum

What informs the content of SD in the Environmental Health curriculum: *SD Goals guide the content esp. SDG 3*



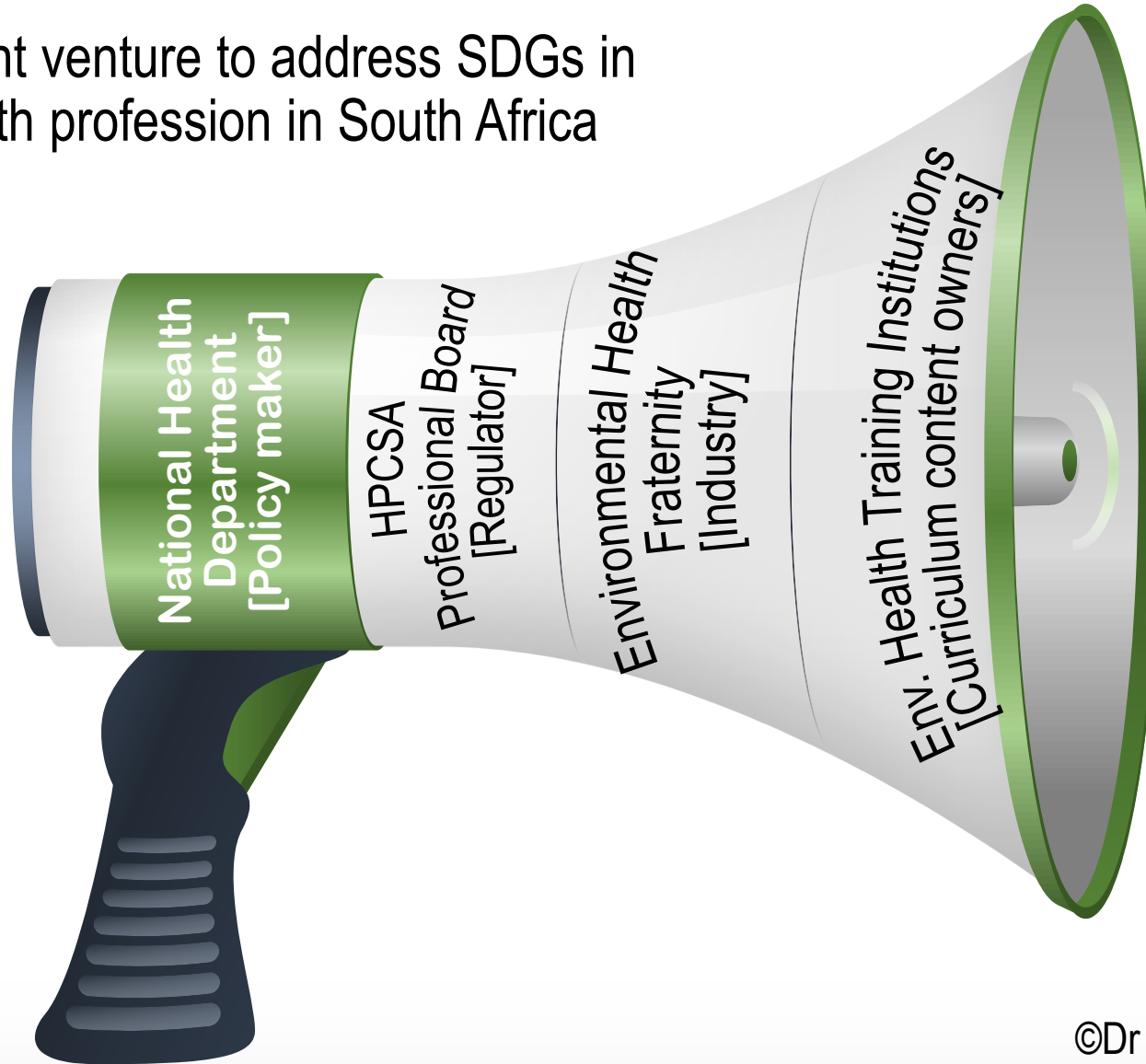
Integration of Sustainable Development in Environmental Health Curriculum



Recommendation on Integrating SDGs into Environmental Health Curriculum

A recommended joint venture to address SDGs in Environmental Health profession in South Africa

Input by key stakeholders



Well balanced EHPs
Implementers of SDGs,
safeguarding public health.

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Closure

Thank you and God bless

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