



## Sustainable development and the chemical elements

### Chemical elements from the perspective of the UN's Sustainable Development Goals (SDGs)

16 May 2019, Midrand, Gauteng #IYPT2019

This event is held in partnership with the Department of Science and Technology (DST) and Dow Southern Africa (material science company)

09:00-16:00

Item	Topic	Speaker/ Organisation
08:30 -09:00	Arrival and registration	NSTF Registration Desk
09:00 -09:30	Welcome to participants & introductions; Outline of the purpose of the meeting and its intended outcomes	<b>Ms Jansie Niehaus</b> , Executive Director: NSTF
09:30 -10:05	Harnessing the South African Chemical Sector for contribution to Sustainable Development Goals	<b>Dr Mahlori Mashimbye</b> , Director: Chemical and Related Industries; Department of Science and Technology (DST)
10:05 -10:40	Critical Raw Materials, "Hype Cycles" and the 4th Industrial Revolution	<b>Dr Paul Nex</b> , Associate Professor: University of the Witwatersrand
<b>10:40-11:00</b>	<b>Tea break</b>	
11:00-11:35	The Interlink between the Periodic Table and Water Treatment: A Nano Perspective	<b>Prof Edward Nxumalo</b> , Associate Professor: University of South Africa (Unisa)
11:35-12:10	Essential mineral elements for health	<b>Ms Nathalie Mat</b> , Nathalie Mat Dietitians
12:10-12:45	Important Minerals in Agriculture: Essential and Contaminants	<b>Mr Harry Dube</b> , Directorate: Agriculture Inputs Control; Department of Agriculture, Forestry and Fisheries (DAFF)
12:45-13:00	The South African National Convention Bureau (SANCB) Support Services – a division of SA Tourism	<b>Ms Amanda Nhlapo-Kotze</b> , Chief Convention Bureau Officer: South African National Convention Bureau (SANCB)

13:00-13:55	Lunch	
13:55-14:30	South Africa's Skill's position for achieving Sustainable Development: What is feasible for Driving Pharmaceutical Industry for Vaccine Production?	<b>Dr Palesa Sekhejane</b> , Research Specialist: Human Sciences Research Council (HSRC)
14:30-15:05	From Chemistry's Big Bang to One-World Chemistry – Implications for Chemistry Education	<b>Prof John Bradley</b> , Honorary Professor: University of the Witwatersrand
15:05-16:00	Discussions & Recommendations	<b>All</b>

**Remember to tweet: @NSTF\_SA @SDGoals @dstgovza  
#IYPT2019 #science4SDGs**

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<http://www.nstf.org.za/discussion-forum/iypt-sdg/>

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