**DST Global Change Conference 2018 - SAEON Side Event**

**Title**

SAEON side event: Detecting and understanding long-term environmental change in terrestrial ecosystems of South Africa

**Programme**

8:00 – 8:10 Welcome and overview of SAEON and the SAEON Graduate Student Network

8:10 – 8:30 Long-term impacts of mining and drought on the biodiversity of a semi-arid savanna.

*Rion Lerm & Anthony Swemmer*

8:30 – 8:50 Transformation of a savanna following the recent extreme drought in the South African Lowveld.

*Dave Thompson, SE Koerner, KR Wilcox, A Borkenhagen, DE Burkepile, SL Collins, A Hoffman, D Hoover, KP Kirkman, AK Knapp, NP Lemoine & MD Smith*

8:50 – 9:10 The effects of groundwater and evapo-transpiration on dry-season flows of the lower Letaba River

*Shaeden Gokool, ES Riddell, JM Nel, CJarmain, Raubenheimer, R, T Strydom & AM Swemmer*

9:10 – 9:30 Characterization of flowpaths using stable isotopes and hydrochemical tracers in Jonkershoek catchment

*Retang Mokua, Julia Glenday & Jaco Nel*

9:30 – 9:50 Recent drought impacts on catchments in the southern Cape, South Africa

*Brigitte Melly, Nicky Allsopp, Abri de Buys, Julia Glenday & Jasper Slingsby*

9:50 – 10:10 South African Woodbush Granite Grassland: habitat under pressure and home to the endangered *Aloe lettyae*

*Sylvie Kremer-Köhne, Edward Witkowski & D.I. Thompson*

10:10 – 10:30 Integrating the monitoring of international global change indicators into actionable tools through the South African Risk and Vulnerability Atlas – A case study in decision support for South African local governments

*Amelia Hilgart*

10:30 – 10:50 The Expanded Freshwater and Terrestrial Environmental Observation Network

*Gregor Feig & Robert Scholes*

10:50 – 11:15 Discussions and wrap up.

**Presenters contact details:**

Amelia Hilgart ([amelia@SAEON.ac.za](file:///C:\Users\Dave\Downloads\amelia@SAEON.ac.za))

Brigitte Melly ([brigitte@saeon.ac.za](file:///C:\Users\Dave\Downloads\brigitte@saeon.ac.za))

Dave Thompson ([dave@saeon.ac.za](file:///C:\Users\Dave\Downloads\dave@saeon.ac.za))

Gregor Feig ([gregor@saeon.ac.za](mailto:gregor@saeon.ac.za))

Rion Lerm ([rion@saeon.ac.za](file:///C:\Users\Dave\Downloads\rion@saeon.ac.za))

Retang Mokua ([mokuar@gmail.com](mailto:mokuar@gmail.com))

Shaeden Gokool ([shaedengokool@gmail.com](file:///C:\Users\Dave\Downloads\shaedengokool@gmail.com))

Sylvie Kremer-Köhne ([sylvie@haenertsburg.co.za](mailto:sylvie@haenertsburg.co.za)**)**