

# st

## International Long-Term Ecological Research Network Open Science Meeting

Kruger National Park, South Africa

9-13 OCTOBER 2016

Long-Term Ecosystem Research for sustainability under global changes: Findings and challenges of ILTER from local to global scales

### WEBSITE AND REGISTRATION:

<https://www.eiseverywhere.com/ehome/ilter2016/373608/>

### SCIENCE PAPERS:

- 11 keynote addresses
- 139 oral presentations
- 65 poster presentations

### THEMES:

- Nitrogen impacts on ecosystems structure and function.
- Carbon and water cycles under climate change.
- Towards sustainable usage of ecosystem services (local, regional & global).
- Drivers of biodiversity across scales.
- Data integration and interoperability linking global scale ecosystem research and environmental monitoring.
- Linking local, regional and global Earth system observations and models.
- Long-term studies of population dynamics.
- Long-term changes in nutrient cycling.

### WORKSHOPS AND SPECIAL SESSIONS:

- Highlighting the power of experimentation in a strongly observational ILTER

- Distributed experimental research: exceptional inference at an affordable price
- Uncertainty: Measurement Uncertainty; Experimental Design for Long-Term Monitoring; Monte Carlo Error Propagation; Quantification using Hierarchical Bayesian Approaches
- Information management
- Programme on Ecosystem Change and Society (PECS)
- Savanna futures: outcomes from the Belmont Forum project

### ROUNDTABLE WITH ILTER'S STRATEGIC PARTNERS:

- European Environmental and Earth System Research Infrastructures (ENVRI+)
- Group on Earth Observation Biodiversity Observation Network (GEOBON)
- GLP (Global Land Project)
- Global Collaboration Engine (GLOBE)
- International Nitrogen Initiative (INI)
- National Ecological Observatory Network (NEON)
- PECS- Programme on Ecosystem Change and Society
- United Nations Educational, Scientific and Cultural Organisation (UNESCO)
- Future Earth
- Critical Zone Observatories (CZO)
- Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)
- Terrestrial Ecological Research Network (TERN)



science  
& technology

Department:  
Science and Technology  
REPUBLIC OF SOUTH AFRICA



SAEON  
South African Environmental  
Observation Network



International Long-Term Ecological Research Network