



# Synthesis and Background:

Developing a Fibre Micro-industry to  
Generate Economic Growth from  
Degraded Land Post-Mining

Haroon Borat

*NRF Communities of Practice Workshop*

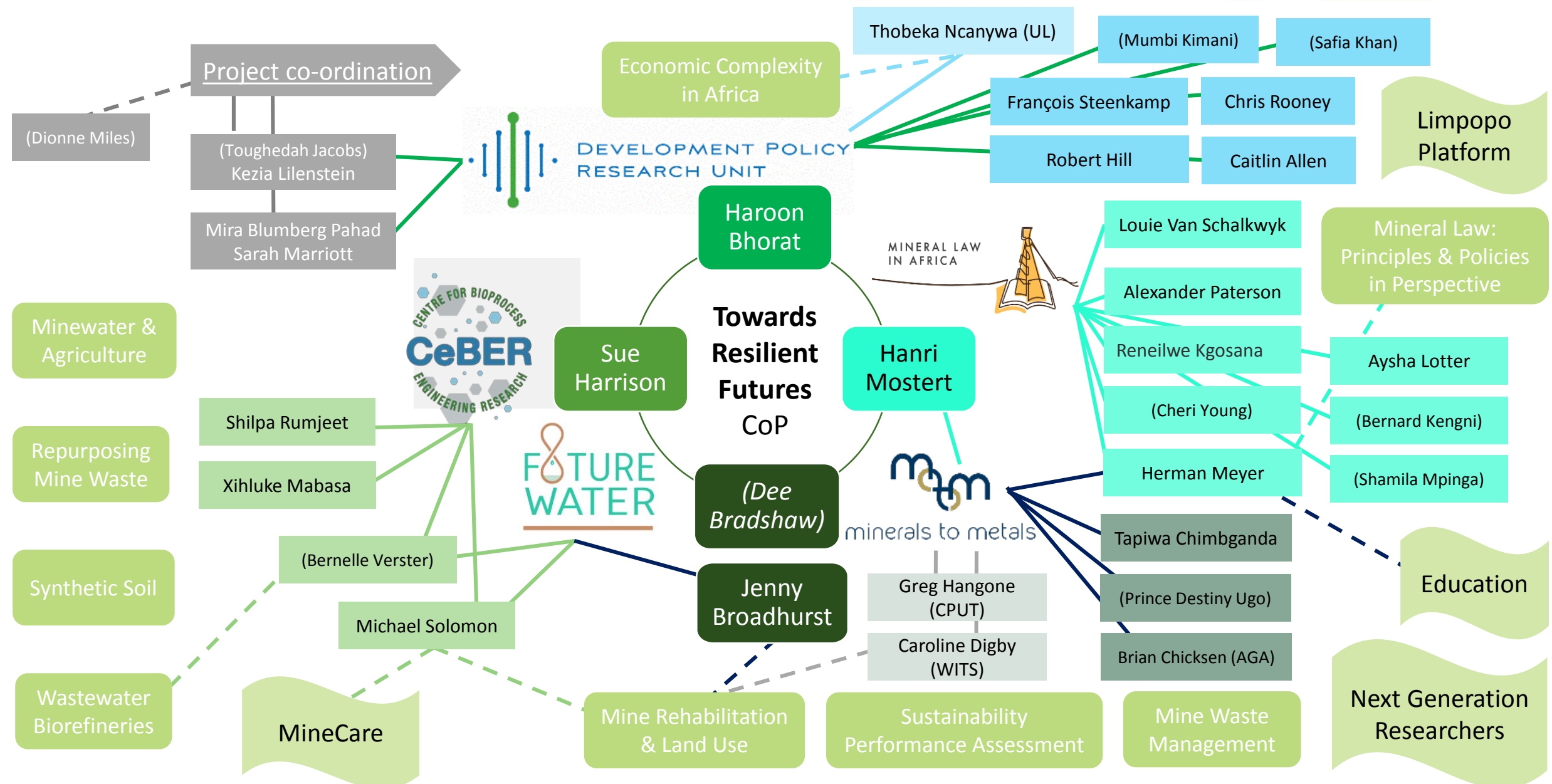
*17 Oct 2019*

# Background

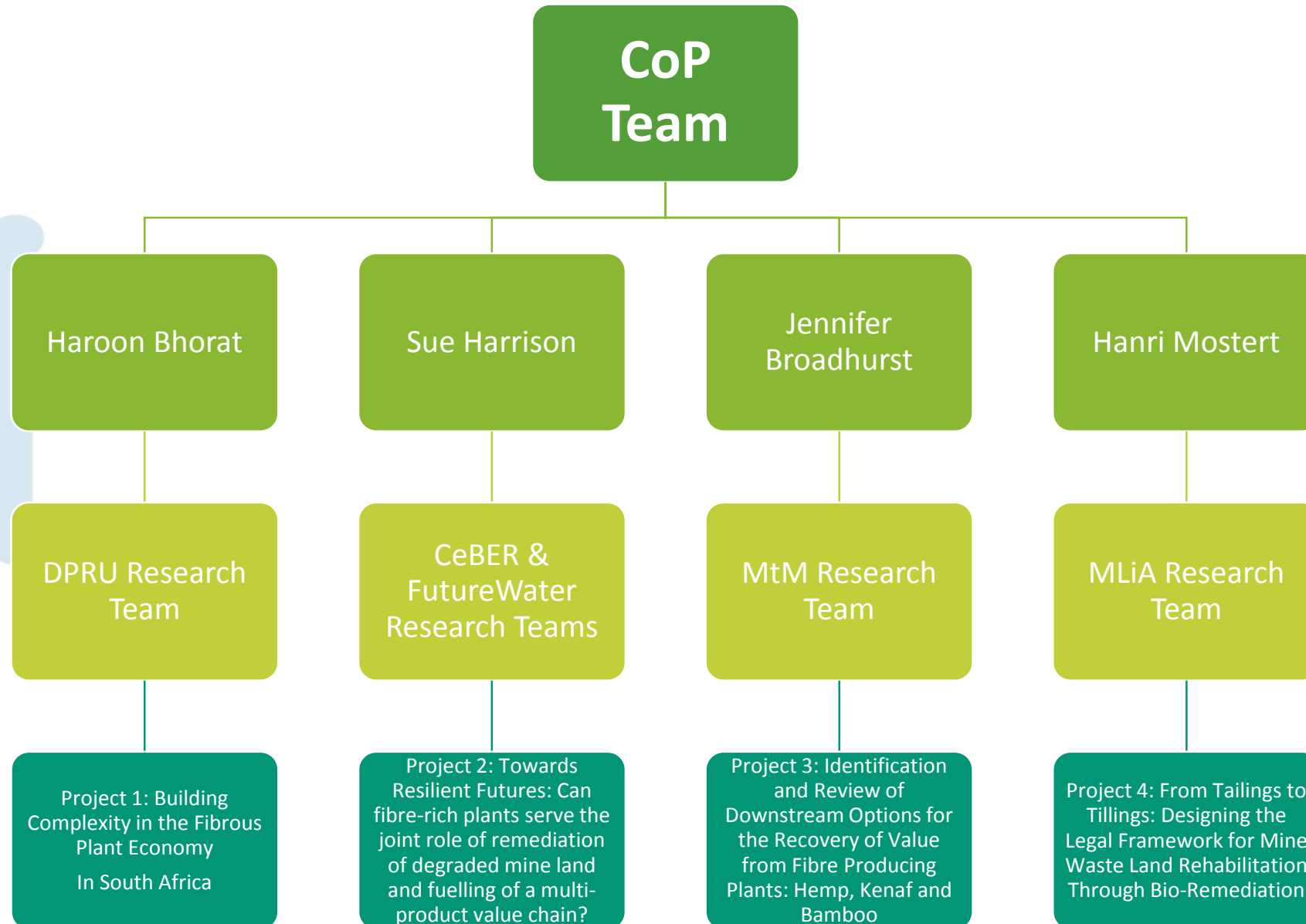
1. Project Origination: From an NRF event to Dee Bradshaw's Energy (& latterly spirit)
2. Stars Aligned: The Community of Practice
3. Project Detail: From Copper to Bamboo to Fibrous Plants
  1. Creative Destruction in Knowledge Production?
  2. Proof of Concept: Method and Product Choice
  3. Cognate Areas: Economics, Engineering and Law
4. Project Lifespan: Two Year Project, Jan 2018 – Dec 2019



National Research Foundation

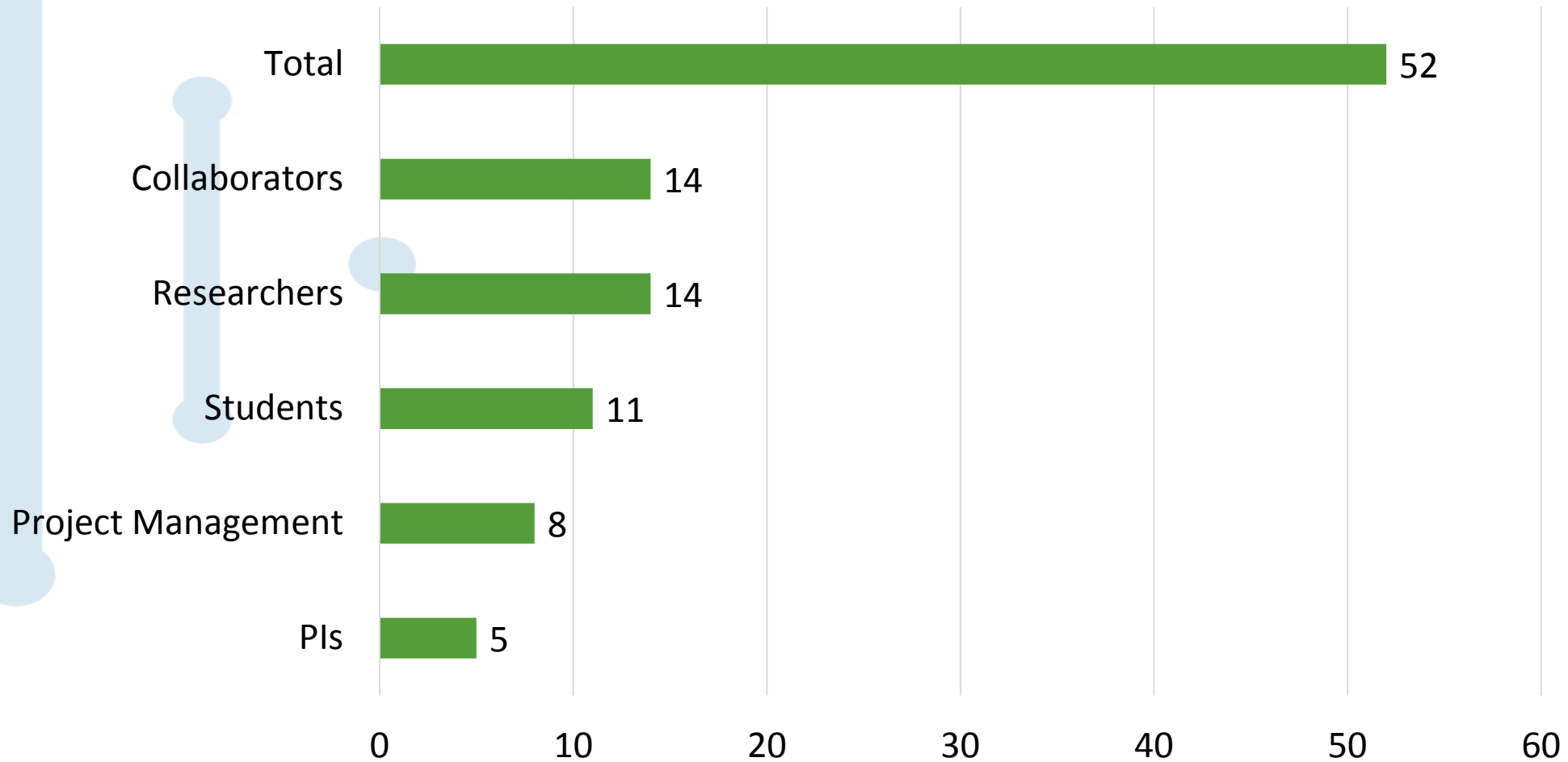


# CoP Team Structure

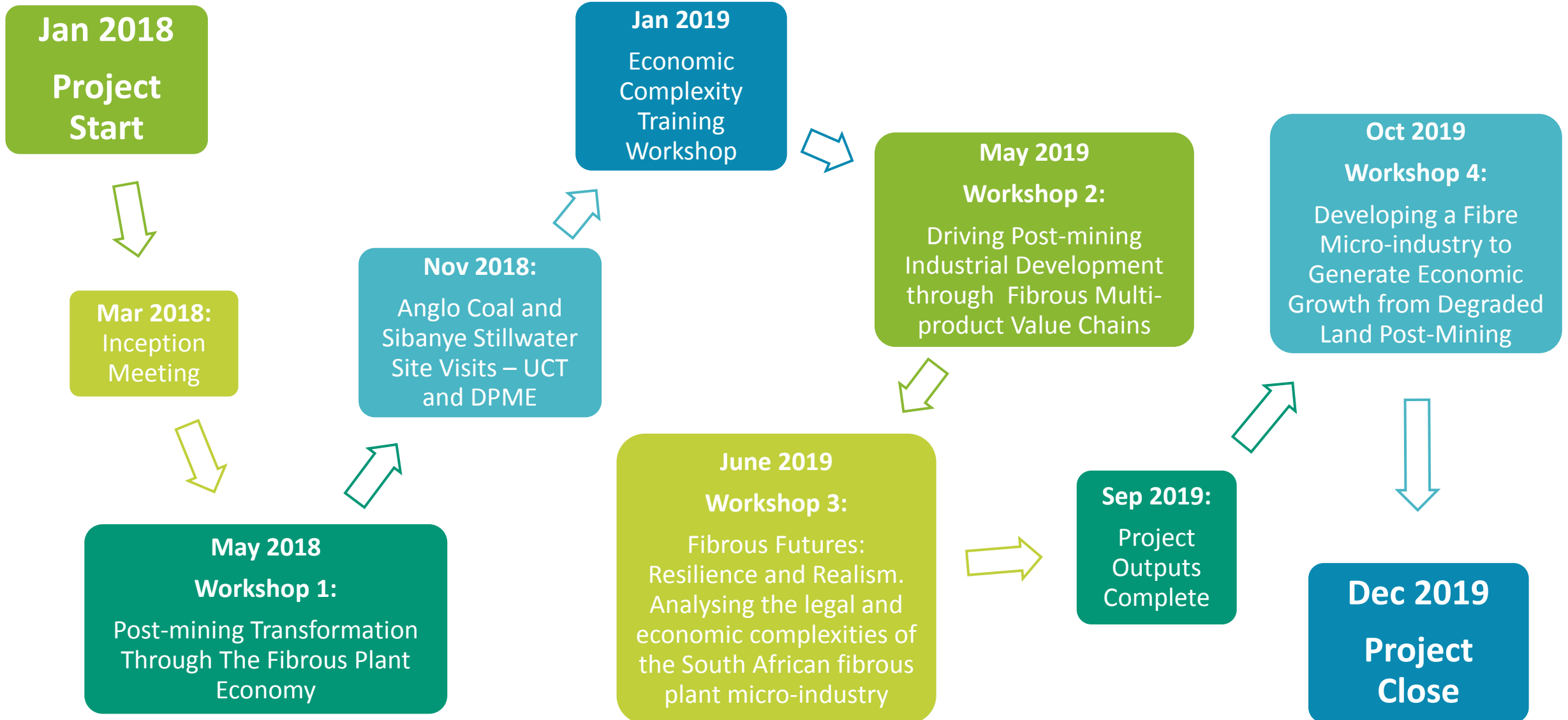


# CoP Team Structure

## CoP Lifecycle Team Members



# CoP Timeline



# CoP Outputs

Name of author	Output	Output Type	Date
Haroon Bhorat, Caitlin Allen, Robert Hill, Christopher Rooney & François Steenkamp	Building Complexity in the Fibrous Plant Economy	Research Paper	Sep-19
Robert Hill & François Steenkamp	Developing Capabilities to Build the Complexity of the Fibrous Plant Economy in South Africa	Policy Brief	Sep-19
Susan TL Harrison, Shilpa Rumjeet, Xihluke Mabasa, Bernelle Verster	Towards Resilient Futures: Can fibre-rich plants serve the joint role of remediation of degraded mine land and fuelling of a multi-product value chain?	Research Paper	Sep-19
Susan TL Harrison, Shilpa Rumjeet, Xihluke Mabasa, Bernelle Verster	Towards Resilient Futures: Can fibre-rich plants grown on degraded mine land fuel a multi-product value chain?	Policy Brief	Sep-19
Jennifer Broadhurst, Tapiwa Chimbganda & Gregory Hangone	Identification and Review of Downstream Options for the Recovery of Value from Fibre Producing Plants: Hemp, Kenaf and Bamboo	Research Paper	Sep-19
Jennifer Broadhurst, Tapiwa Chimbganda & Gregory Hangone	Multi-Product Potential of Fibre-Rich Plants: Hemp, Kenaf and Bamboo	Policy Brief	Sep-19
Hanri Mostert, Louie van Schalkwyk, Alexander Paterson & Cheri-Leigh Young	From Tailings to Tillings: Designing the Legal Framework for Mine Waste Land Rehabilitation Through Bio-Remediation	Research Paper	Sep-19
Hanri Mostert, Alexander Paterson, Louie van Schalkwyk, Aysha Lotter & Reneilwe Kgosana	From Tailings to Tillings: Designing the Legal Framework for Mine Waste Land Rehabilitation Through Bio-Remediation	Policy Brief	Sep-19
H Mostert & C Young	'From promise to practice: Can South Africa's legal framework for mineral resources and the sustainable development goals?' South African Institute of International Affairs - SAIIA Occasional Paper No 279.	Occasional Paper	22 May 2018
Bernelle Verster, Cheri-Leigh Young, Francois Steenkamp, Jennifer Lee Broadhurst & Sue Harrison	Finding ways to keep communities alive after mine closures. The Conversation Op-Ed	Op-Ed	15-Jul-18
Bernelle Verster	Keeping communities alive after mine closures. Classic FM / Moneyweb Radio (Classic Business Breakfast) Interview	Radio interview	17-Jul-18
H. Mostert	"Innovations in Mine Waste Land Rehabilitation: the Two Sides of the Law". Paper: presented at the Middle-East Environmental Law Conference, Hamad Bin Khalifa University, Doha, Qatar.	Presentation	5-Nov-18



Thank You!