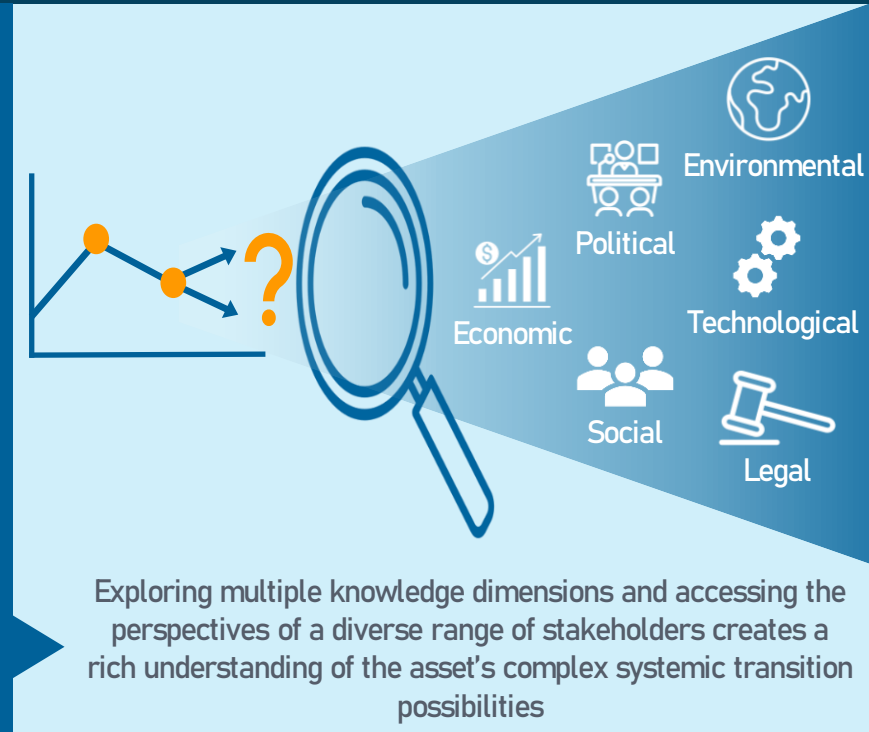
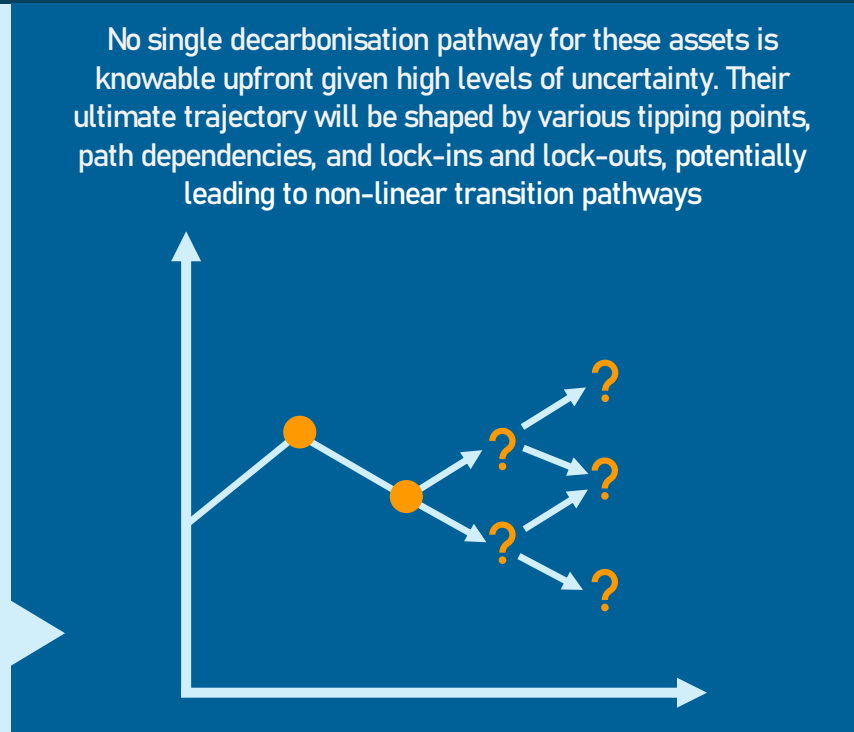
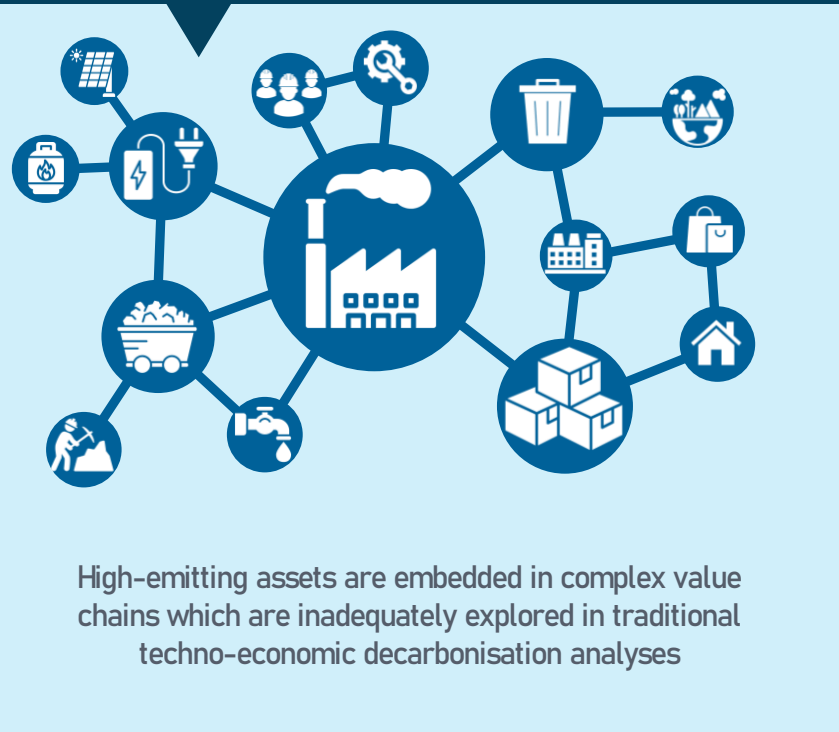


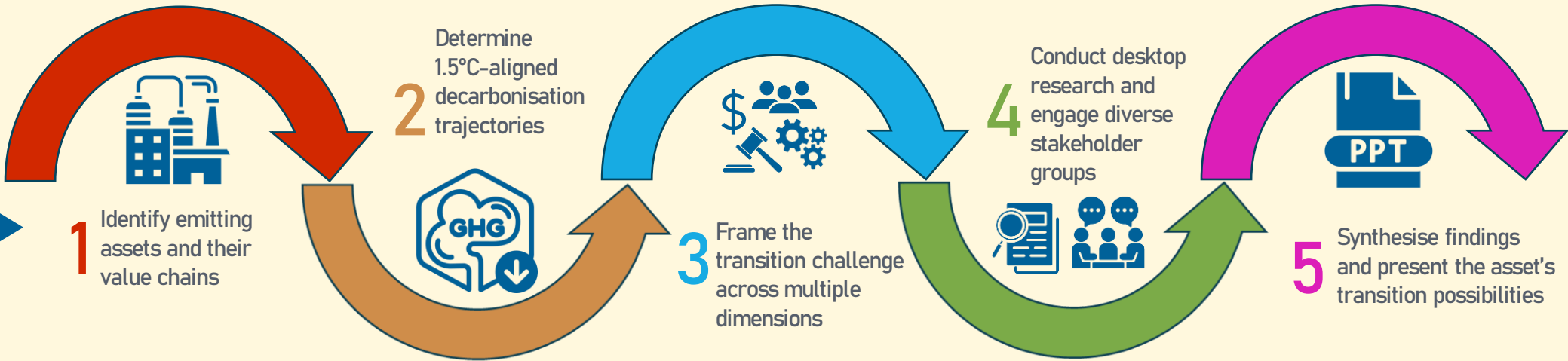
EXPLORING NET ZERO TRANSITION POSSIBILITIES FOR HIGH-EMITTING ASSETS

A method for understanding how high-emitting assets, which are major contributors to both climate change and the economies and societies in which they operate, might transition to net zero



METHOD STEPS

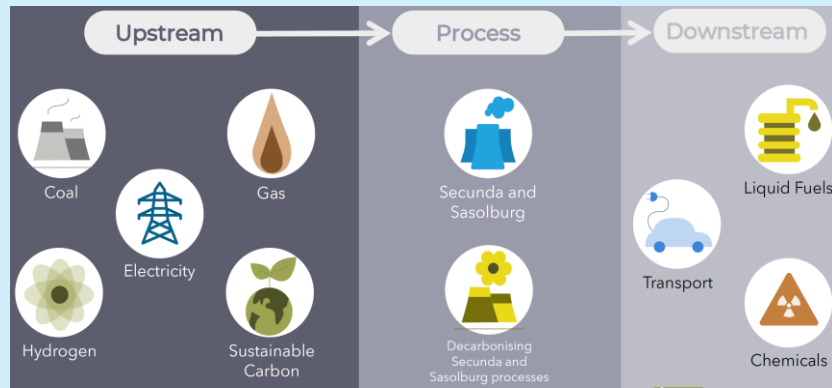
Exploring complexity requires an iterative method that prioritises revealing and understanding relationships across multiple dimensions



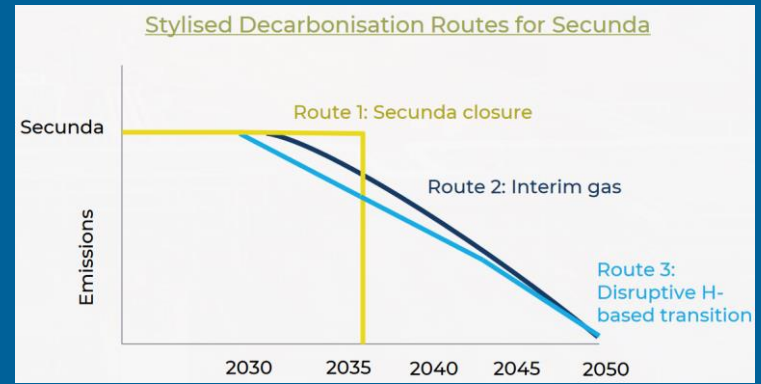
APPLYING THE METHODOLOGY IN SOUTH AFRICA

In 2023, Meridian Economics published an analysis applying the methodology to decarbonising South Africa's petrochemical value chain focussing on two interdependent high-emitting assets, Secunda and Sasolburg

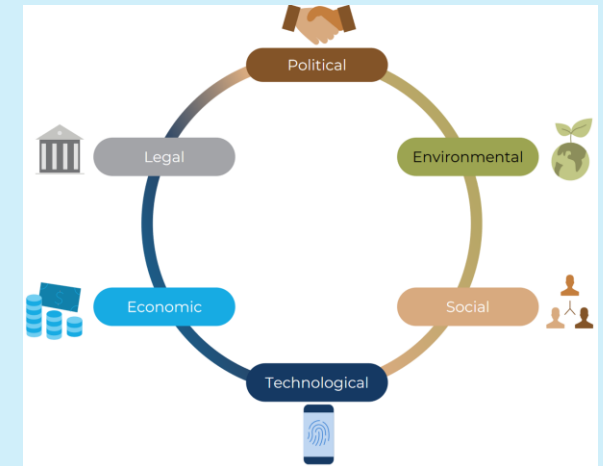
1 Secunda and Sasolburg were identified as high-emitting assets that play an important role within their upstream and downstream value chains



2 Techno-economic modelling studies were used to determine three stylised decarbonisation pathways for the dominant asset, Secunda



3 An adapted PESTEL analysis was used to explore dimensions beyond the dominant techno-economic frame



4 Stakeholders across civil society, labour, grassroots, government, business, and asset management were engaged



5 Results were synthesised and presented in an interactive PowerPoint presentation, available [here](#)

