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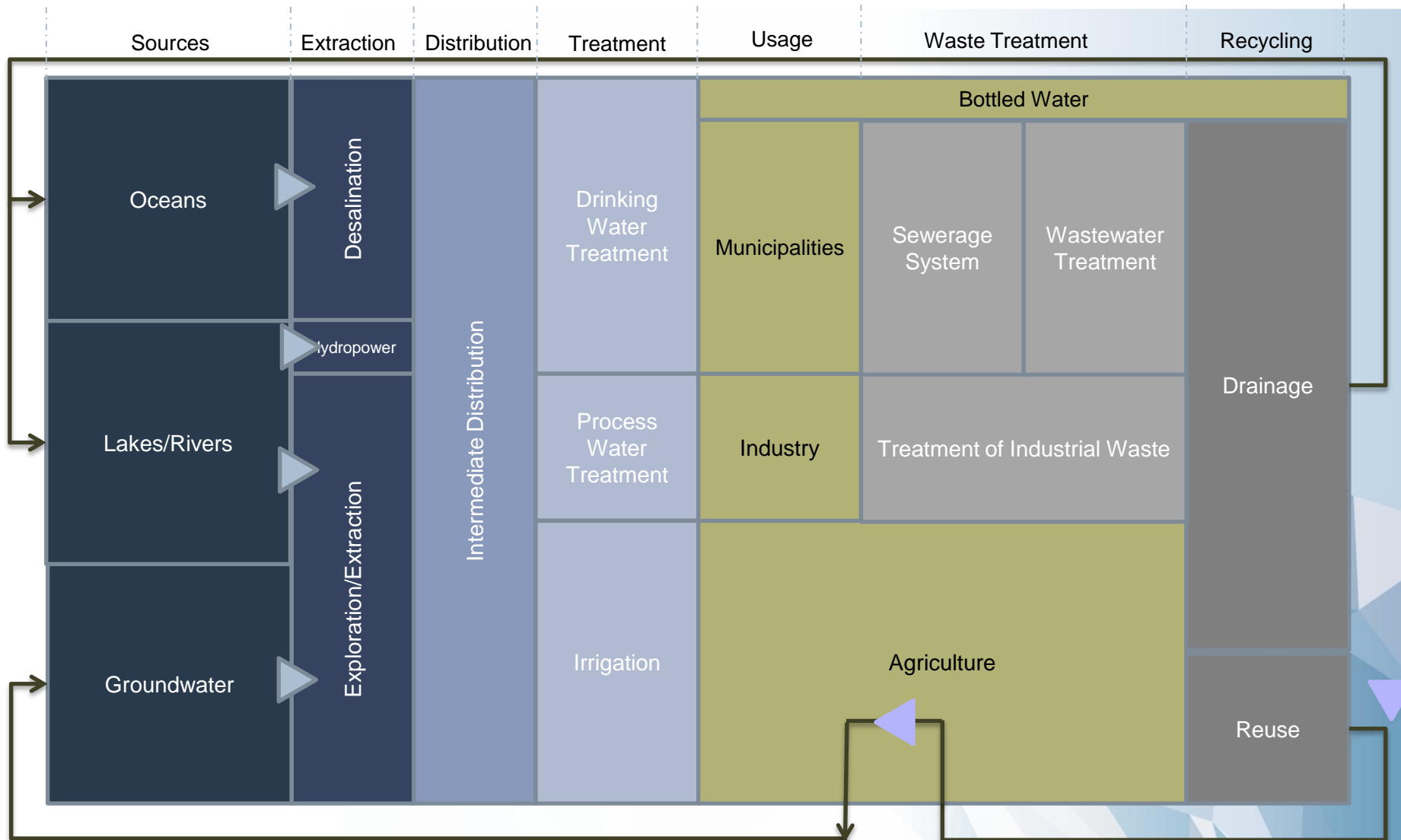
Opportunities for investment in South Africa's water sector

Presented at Sinayo Securities Water Summit

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Water value chain





Sustainability and Circular Economy

Shifting sourcing, conveyance and usage toward a sustainable way.

Reuse and recycled water, wastewater to energy, energy-positive wastewater plant, nutrient recovery etc.



Risk and Resilience

New supply chain models with a proliferation of alternative sources and raw materials, resilience of assets to natural/physical hazards and preventative vs reactive maintenance.

Supply chain sustainability, resilience strategy, smart monitoring, etc.



Digital Transformation

Digital technologies to provide infrastructure for more flexible, intelligent, connected & responsive water systems.

Smart meter/grid, asset optimisation, demand response, active water management, etc.

Industrial opportunities for investment

Growing demand for sustainable water solutions



Water sustainability has been the key focus for industries. Decentralised treatment solutions provide sustainability and efficiency.

Use of treated waste water as an alternative water source



Water intensive industries are increasingly making use of waste water.

Policies imposing ZLD on industries



The likelihood of imposing ZLD policies on heavily polluting industries such as textile and chemicals is increasing

Energy neutral/energy-positive treatment solutions



Energy consumption can be as much as 60% of OPEX. Innovative energy solutions will significantly reduce energy requirements.

Deployment of smart technology



Smart water management solutions depend on smart sensors and smart meters to promote efficiency and optimization.

Municipal opportunities for investment

Sustainable water infrastructure development



Sustainability is a key focus for water infrastructure development going forward.

Resilient cities

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There is a drive to make cities resilient to flooding, fires, droughts, etc.

Changing business models



Increasing PPPs and shift from public sector operation to private sector operation.

Smart water management backed by IoT



Smart monitoring, leak & pollutant detection, real-time monitoring of quality and usage.

Innovative membranes for water and waste water treatment



Membrane technology is advancing to reduce fouling and TOTEX. E.g. ceramic membranes.

Customer engagement



Engagement with retail and domestic customers for enhanced customer service and efficient water management.

Questions?

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