

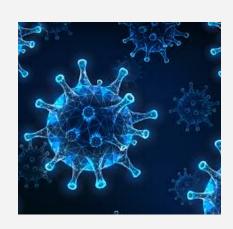
Reimagining Sanitation in Mitigating Spread of COVID-19

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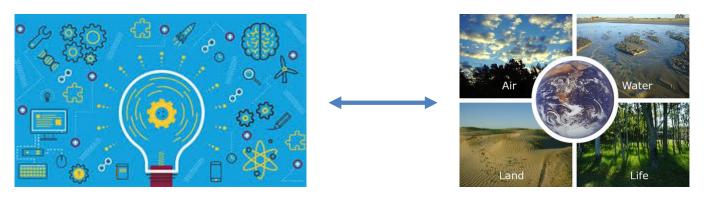






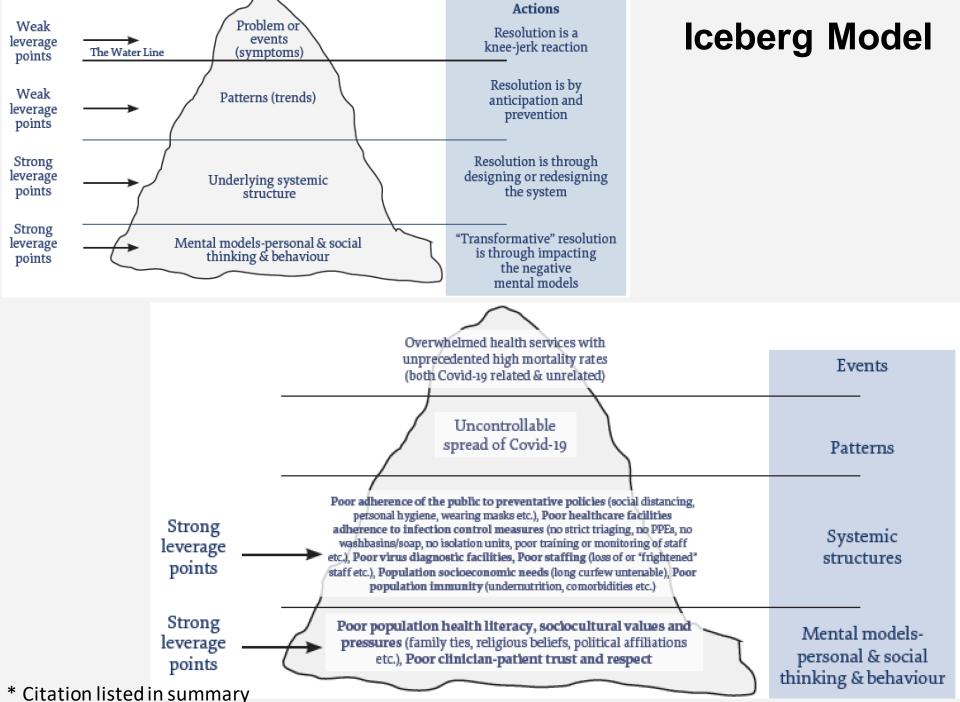
Integration of Engineering & ESS to Address Spread of COVID-19 at Scale

- <u>Issue</u>: Spread of COVID-19 under poverty conditions where no usual mitigation methods are feasible/practical
- Approach: Apply Iceberg Tool, a paradigm shift in human thinking and existing systems re-engineering
- Solution: Proper sanitation with positive, unintended outcomes

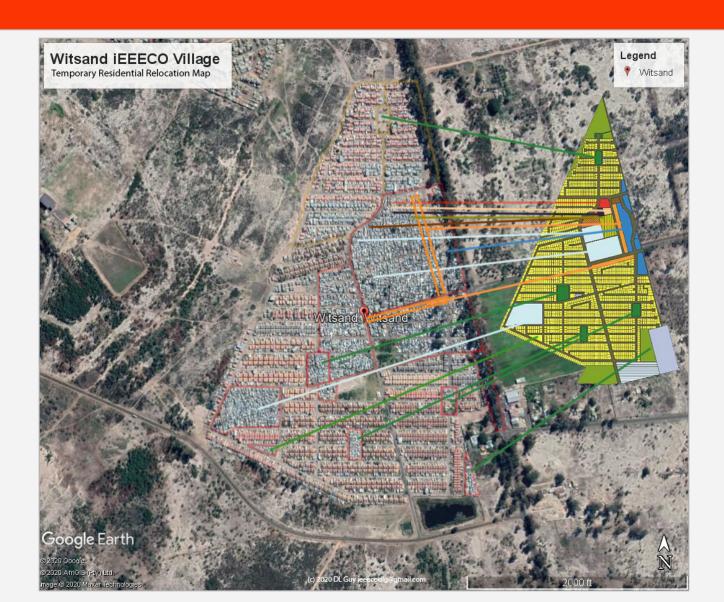








Witsand Township



Reimagined Sanitation Facilities

Existing Sanitation Facility



Reimagined Sanitation Facility







Positive Outcome

- Systems Thinking led to reimagining sanitation facilities
- ✓ COVID-19 is identified, monitored and tracked
- COVID-19 spread is greatly reduced
- Contract tracing is supported



^{* &}lt;u>Citation</u>: Hassan I; Obaid F; Ahmed R; Abdelrahman L; Adam S; Adam O; et al. A Systems Thinking approach for responding to the COVID-19 pandemic. East Mediterr Health J. 2020;26(8):872–876.

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