



# Season 2 - Episode 4: THE FRACTAL PRINCIPLES: WHAT WE LEARNED

The FRACTAL Principles are an outcome of FRACTAL's transdisciplinary processes. As the emergent Principles became clear, they helped to shape and guide engagements in the nine southern African cities where FRACTAL worked. They sum up the way in which FRACTAL approached working in these cities and it is hoped that they can provide a framework for future transdisciplinary projects.



John Mfuné was the Principal Investigator for FRACTAL in Windhoek and he is an Associate Professor and Head of the Biological Sciences Department at the University of Namibia.



Deon Shekuza identifies as an active agent of positive change working on sustainable development issues. He co-founded the Namibian Youth on Renewable Energy (NAYoRE) and is involved in the Namibia Youth Coalition on Climate Change.



Lapo Magole, the FRACTAL Principal Investigator in Gaborone, is based at the University of Botswana where she works as a Senior Lecturer in the Department of Architecture and Planning.



Genito Maure, the FRACTAL Principal Investigator in Maputo, is Head of Department of Physics at the University of Eduardo Mondlane, Mozambique. He is currently an Assistant Professor and is specialized in regional climate modelling.

## The FRACTAL Principles helped in:

- Encouraging and valuing diverse voices, opinions, values, and inputs on climate resilience across the cities from different city stakeholders by creating safe, neutral spaces for dialogue.
- Slowly getting buy in from stakeholders through deliberate inclusion and engagement.
- Bringing everyone to the table and allowing the participants to develop their own resilience strategy and priorities.
- Enhancing the contribution and quality of research.
- Evaluating strengths and working on solutions together.
- Understanding the context for policy, decision making and governance for urban resilience in southern African cities.
- Understanding power dynamics around decision making.
- Bringing the universities closer to the people through engagement, collaboration and collective efforts.

## Highlighted Principles include:

- Honesty
- Accountability
- Ethics
- Inclusivity
- Learning
- Engagement
- Flexibility
- Context driven processes



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If you would like to find out more about the FRACTAL approach and the principles that the team developed as a framework for other projects, here are some further resources from FRACTAL:

### [Principles Brief](#)

Links:

- [FRACTAL](#)
- [FCFA](#)
- [UEM](#)
- [UB](#)
- [UNAM](#)
- [START](#)
- [WeAdapt](#)
- [ACDI](#)

