

Ugu's experience with SANEDI

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Our Air Quality Management context

- Ugu DM's Air Quality Management Plan describes the Air Quality Assessment in the District.
- The baseline air quality assessment for the Ugu DM is informed by the geography, topography, climate and meteorology of the area and the socio-economic context.
- It describes the emission sources and current air quality conditions as well as the status of the institutional capacity to perform its air quality management function.
- The study of the carbon footprint will add value to the Air Quality baseline assessment of the District for review purposes
- Also an important factor in the Emissions inventory of the district

Stakeholder engagement – benefits

- Located at Bongwana-Nqabeni which extends between 2 farms owned by 2 different individuals
- Communication protocol followed by Sanedi Project team was applaudable in that included all the relevant stakeholders in the area of the study
- These included relevant portfolio committee of the Municipal Council, community leaders (Amakhosi), property owners (farmers). From 2017 this will be re-done due to new council.
- **Challenges are natural where humans exist** but undoubtedly these are being managed
- We remained committed in supporting them engaging with our local structures – can be a complex process



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Sanedi - Stakeholder engagement – benefits & Lessons (1)

- Ties in nicely with part of our work
- Our interest in the Carbon Capture project was based on our Air Quality Management, Climate Change, and the impact of underground Carbon Emission on our Ambient air in the District
- Like the rest of SA we are looking for answers to and means of contribution towards climate change mitigation and adaptation at a local scale
- CCS pilot in the Ugu area was an unexpected area of engagement whereby we would get an opportunity to interact with the research and development teams from around the world



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Sanedi - Stakeholder engagement – benefits & Lessons (2)

- The involvement of Ugu DM in the project provided the required basic skills to self sustain the project when the project team has to disembark
- Hope to promote engagement with local schools for career pathing in this unfamiliar area
- Inspire local capacity both for existing government programmes and schooling
- Provided us an opportunity to forge an intergovernmental relationship with the Alfred Nzo Municipality - neighbour



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Minimal knowledge in ground monitoring.

- Practical exposure which can be applied in any other ground monitoring that we may need to do in future.
- Ground carbon monitoring is a new aspect in our Air Quality Management work
- It therefore exposed us to the experiences in the following aspects:
 - Creating a grid
 - Identify critical points of emission
 - Actual monitoring
 - Impact on water quality
 - Impact on the environment
 - Positive use of Carbon emissions



Conclusion

- Great pleasure being part of the pilot
- Looking forward to the partnership and the value it will add to our knowledge
- Even if there is not so much potential, there will have been other indirect benefits

FROM 2017 ONWARDS.....



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