Refining the Land User Incentive Spatial Framework

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Overview

• Background and rationale
• NRM’s Working for Programmes
• Designing the Land User Incentive (LUI) matrix
• The issue of scale (assessment unit)
• LUIv2 vs LUIv3
• Input datasets and analysis
• Way forward
Background

- Objectives of DEA’s Natural Resources Management (NRM) Programme.
- NRM works within the employment prescripts of the Expanded Public Works Programmes (EPWP).
- The programme aims to invest in areas with important biodiversity, ecological infrastructure AND high levels of poverty.
- LUI provides wage support for projects (e.g. NGOs and private landowners) pursuing the objectives of NRM programmes.
- Role: To support the further development of spatial frameworks for evaluating future investments through the LUI programme.
Designing the LUI Matrix

- NRM Programmes
- LUI Matrix
- AHP Model
Input Datasets

LUI Clusters:
- Biodiversity
- Climate
- Fire
- Poverty
- Ecosystem Dependence
- Invasive Alien Species and Erosion
- Watershed Services
<table>
<thead>
<tr>
<th>Cluster</th>
<th>Criteria</th>
<th>Working for Water</th>
<th>Working for Wetlands</th>
<th>Working for Ecosystems</th>
<th>Working for Forests</th>
<th>Working on Fire</th>
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The issue of scale

- LUIv2 used quaternary catchments as the spatial unit of assessment.
- Quaternary catchments are too large to guide implementation on the ground.
- Mesozones will be used for LUIv3.
- The mesozone represents a demarcation of the whole country into a “grid” of 25,000 spatial units.
- Range in size but aim to be approximately 50 km².
- Mesozones fit completely within the current municipalities and other significant geo-economic and historic area demarcations.
QCs vs Mesozones
Administrative Boundaries
Quaternary Catchments

[Map of South Africa showing Quaternary Catchments with a legend indicating different colors representing varying catchment types.]
Mesozones
Scale

- LULV2
- LIUV3
Advantages of using Mesozones

• Each mesozone has a unique identifier

• Applicants can identify the priorities in the mesozone(s) and align their proposals accordingly

• Better accuracy in identifying priority areas – implementing agents
Way Forward

• Develop all the spatial layers and hand over to DEA by the end of June.
• Call for proposals
• Data layers available for LUIv3
• Develop the spatial layers into a Multi-criteria decision analysis tool.
Thank you

I HAVE THE NECESSARY KOALAFICATIONS