# Review of the Energy Demand Mapping for EGI

**Provincial consultation: Eastern Cape Province** 

4 November – 28 November 2014













### Rationale for the demand mapping exercise

- To identify future development plans and energy requirement by intensive energy users
- Strengthen and highlight the location of key proposed development areas
- To identify key economic development priorities across local, provincial and national scales
- To conduct an extensive review of municipal (local & district) and provincial planning document (SDFs and IDPs)

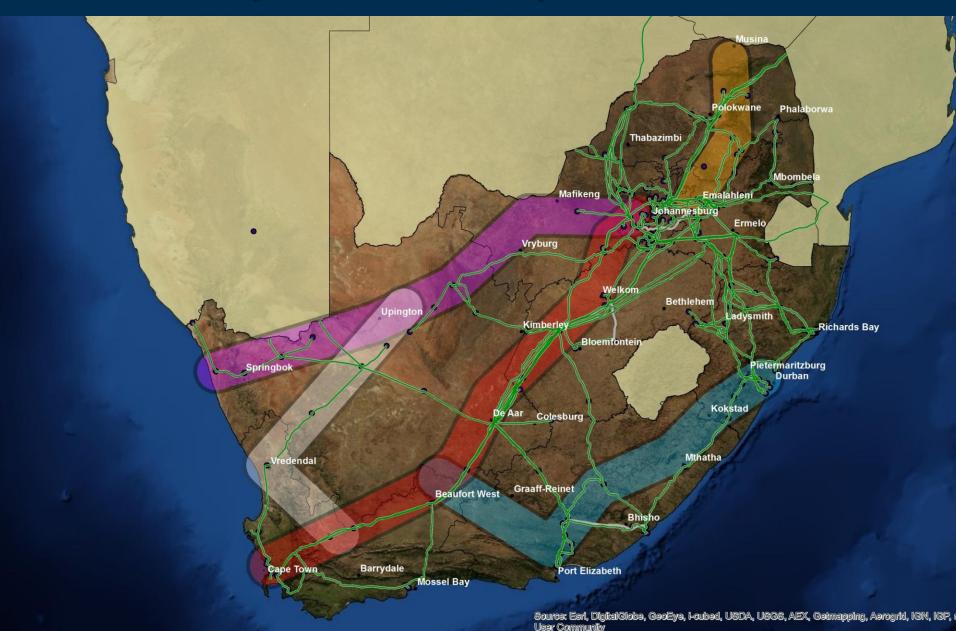




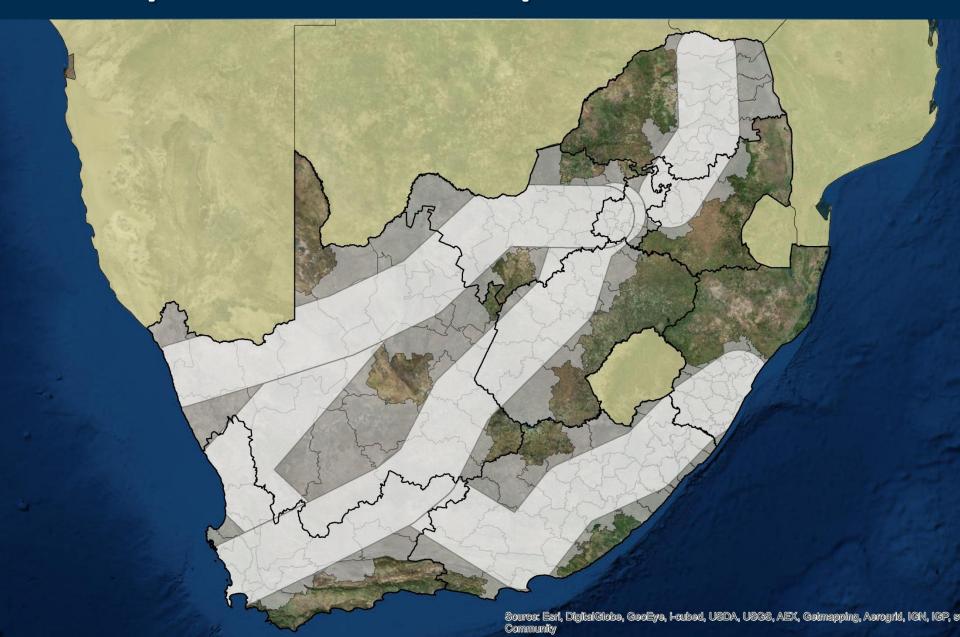




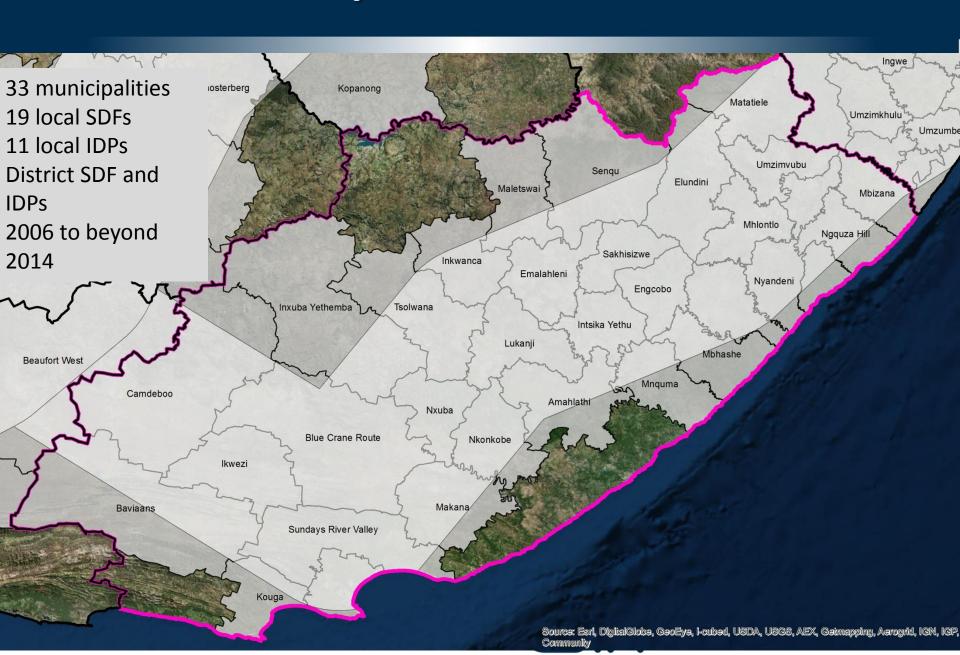
# **Current footprint and study area**



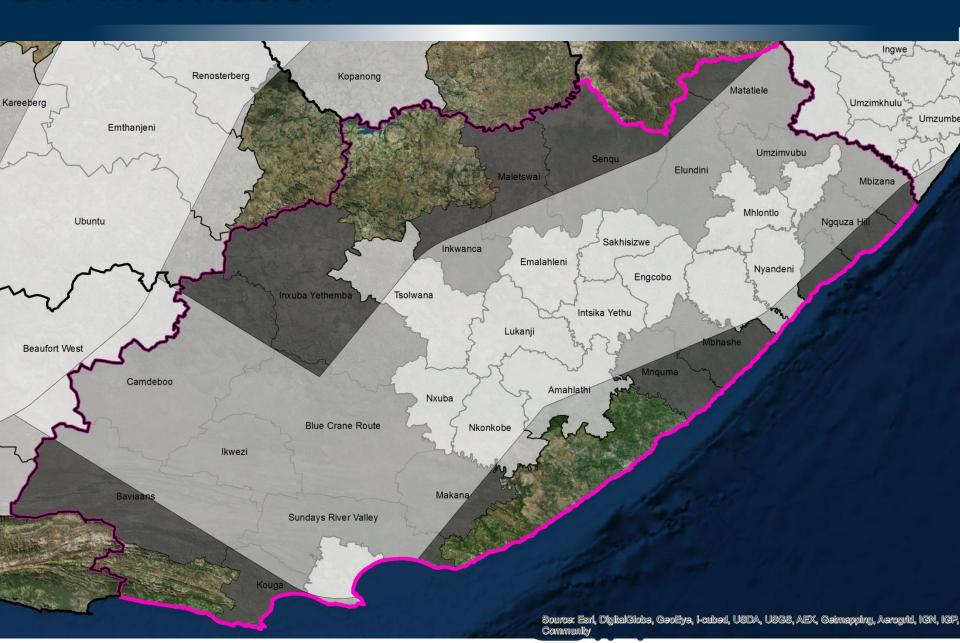
# Municipalities that overlap with the corridor



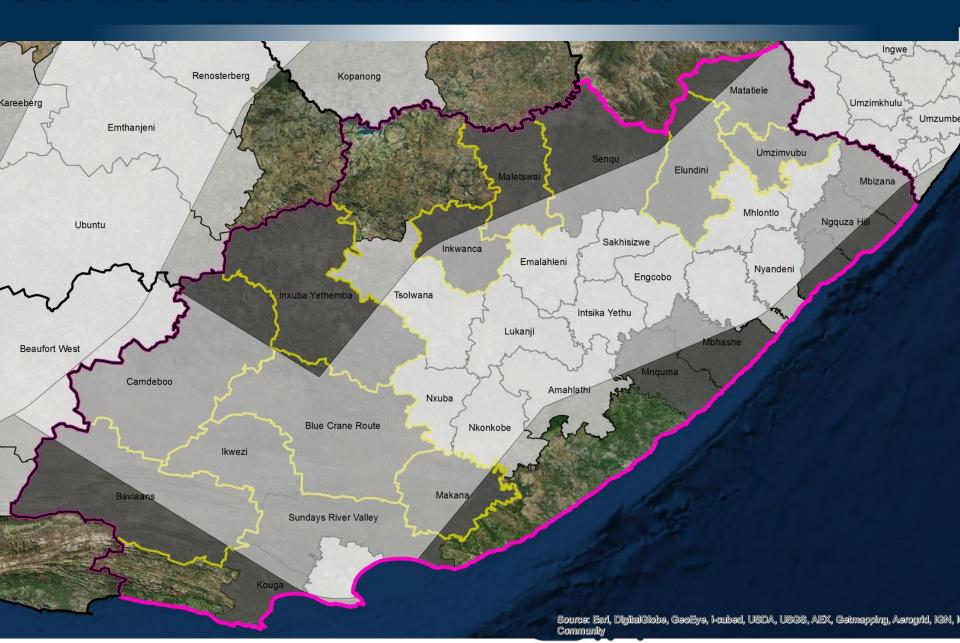
# **Provincial Municipalities**



## **SDF** information



#### SDF info- no demand information



# Demand mapping SDF categories

Number	Planning category	Example in SDFs	Push/Pull
2	Industrial expansion	Industrial areas-within urban edge	Pull
3	zones and industrial	Areas outside the urban edge demarcated for special/strategic economic developments	Pull
5	Priority mining areas	Existing mining activity, proposed/potential mining activity	Pull

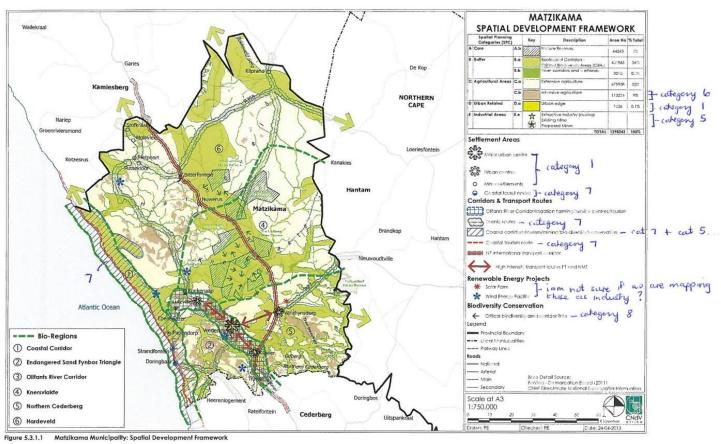
### **SDF Mapping process**

Apologies & the map. This

is the only one avoidable that has loaded all relevant

into an this one map.

- Latest SDFs sourced where available
- District and Provincial SDFs or IDPs also sourced



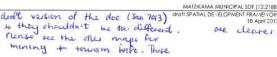
This is the map displayed in

the final version of the doc.

I have included indiseparate

maps extracted from the



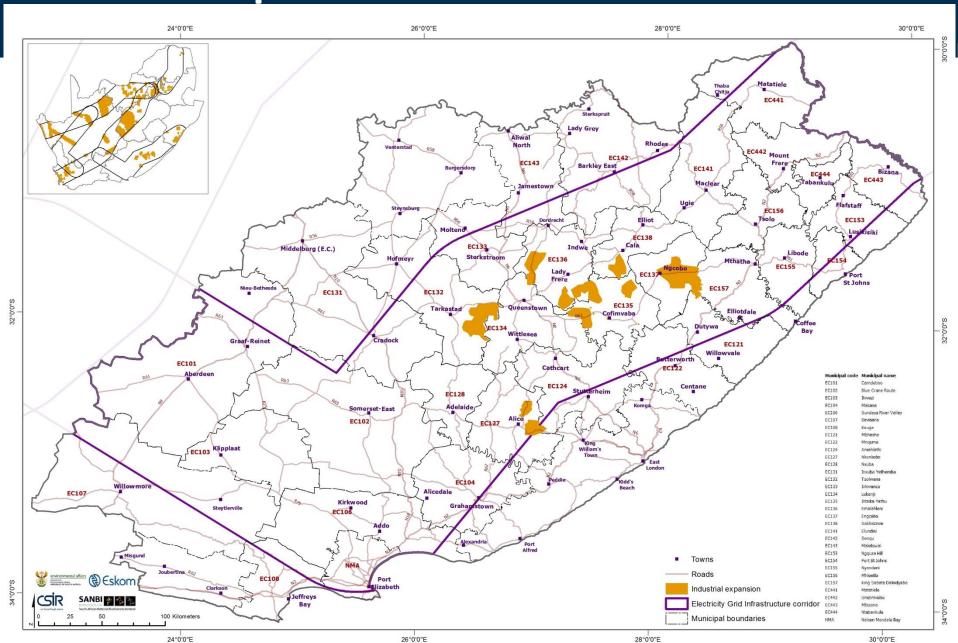




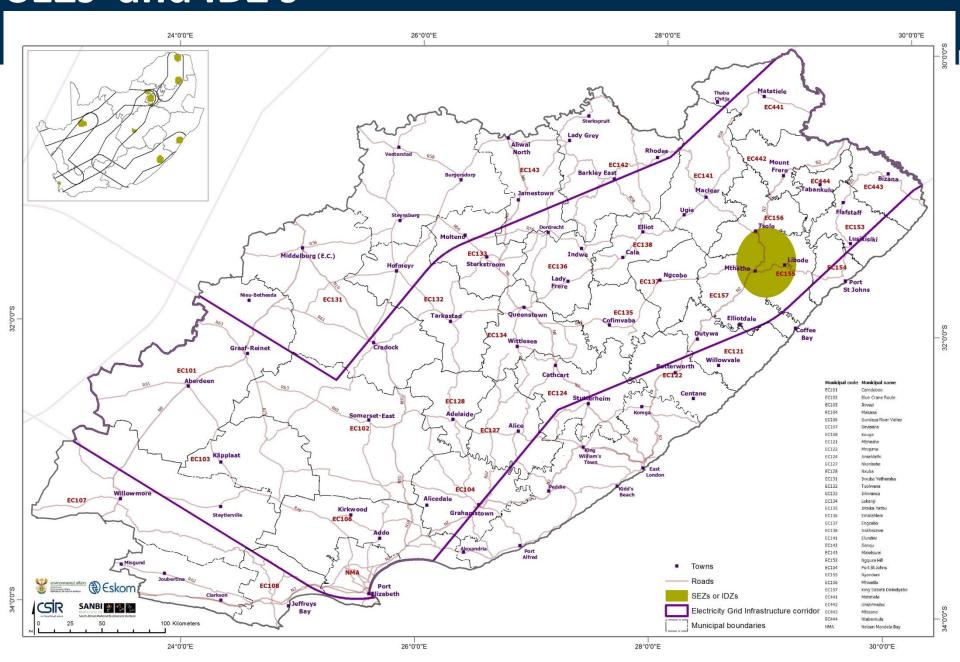
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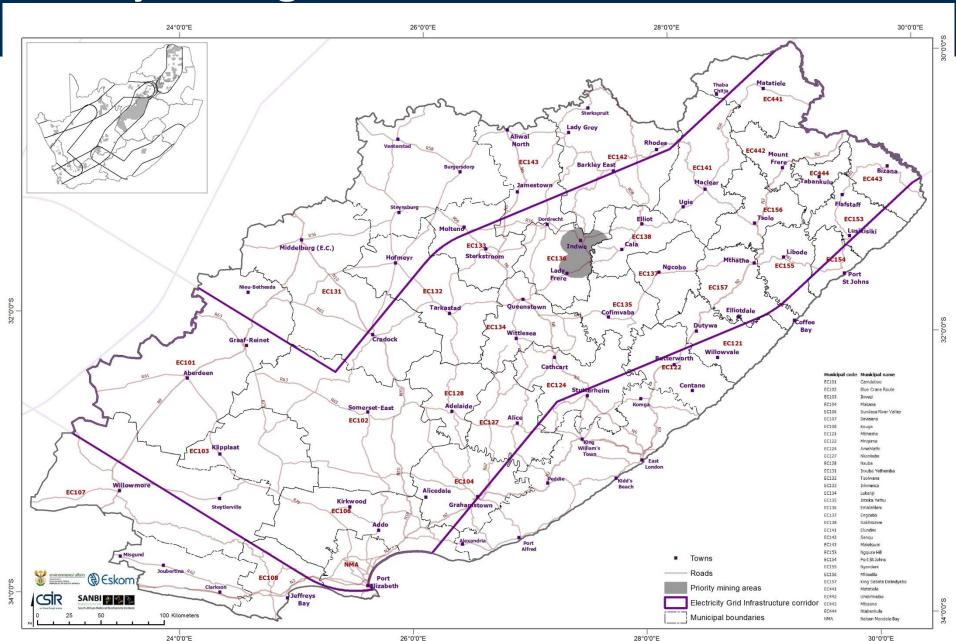
# Industrial expansion



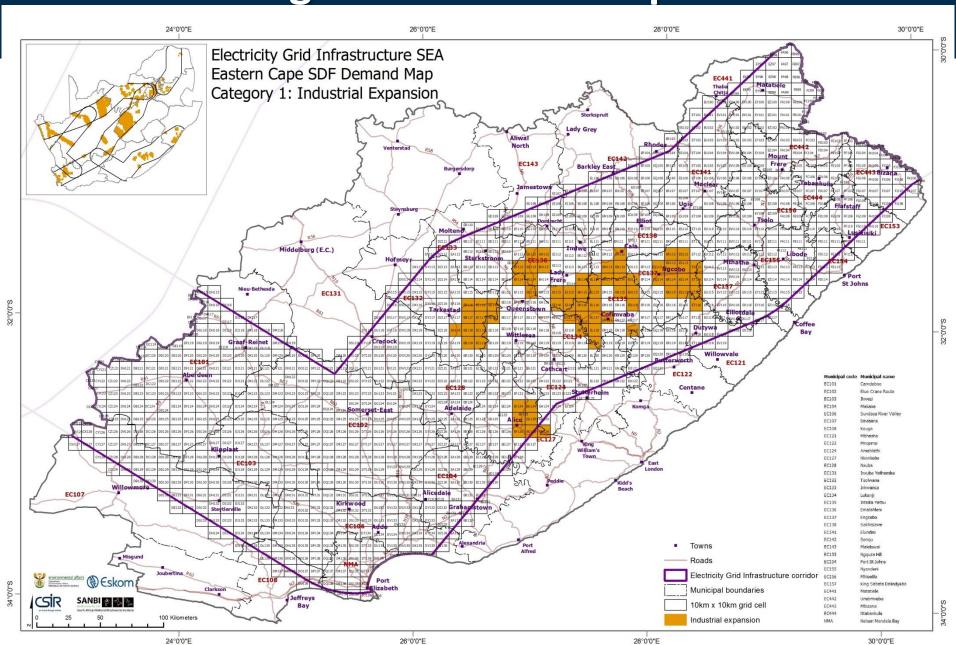
### SEZs and IDZ's



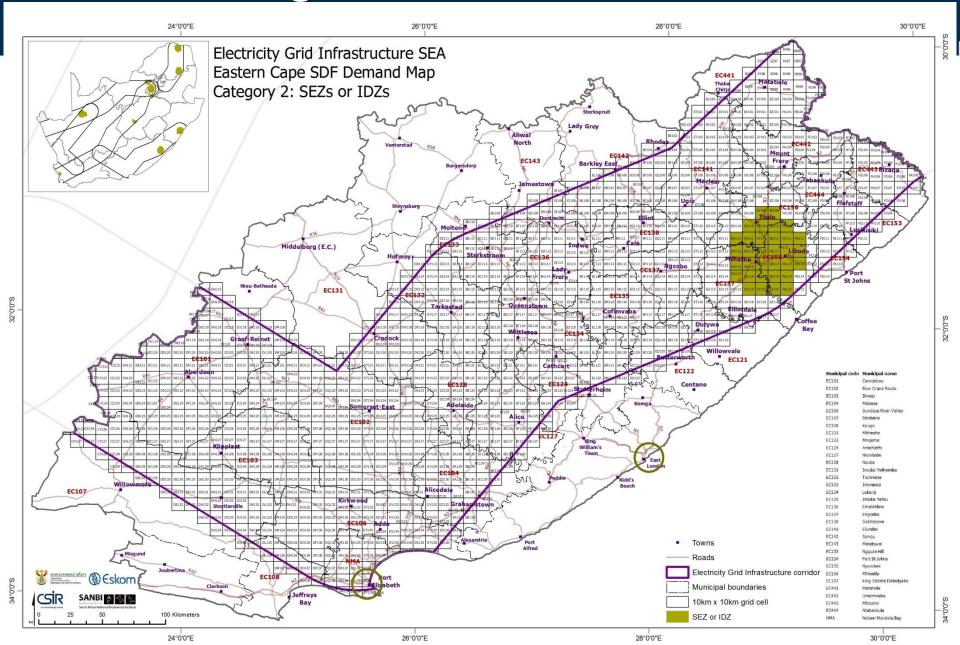
# **Priority mining areas**



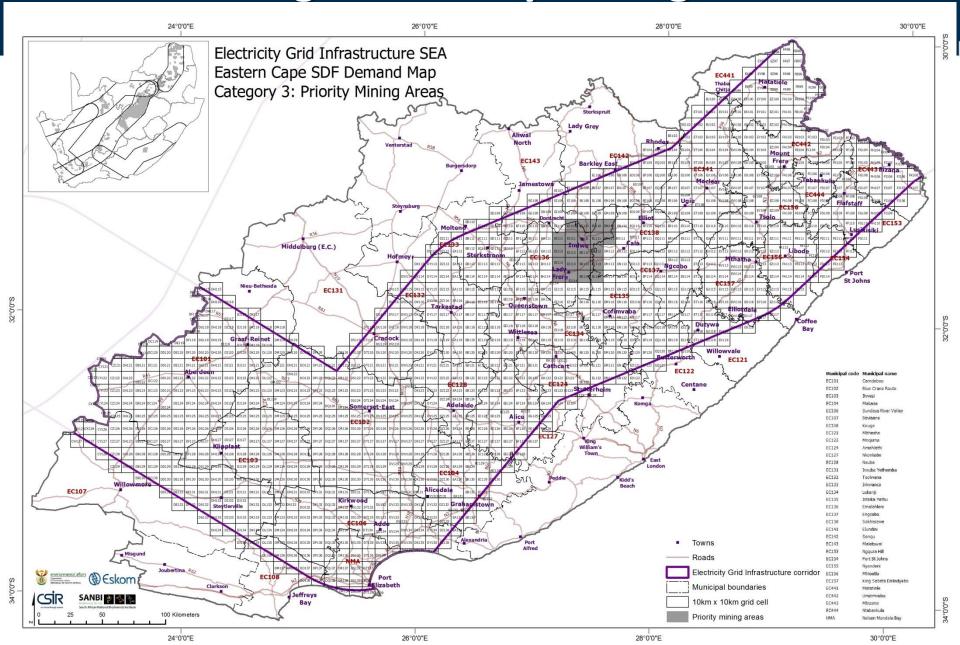
## Conversion to grid: Industrial expansion



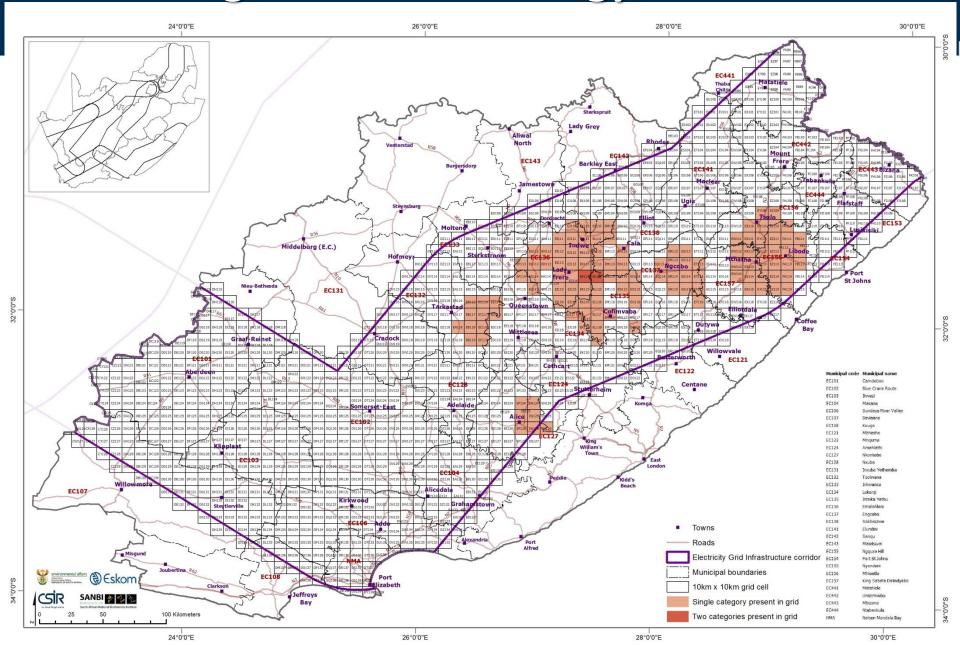
# Conversion to grid: SEZs or IDZs



### **Conversion to grid: Priority mining**



# **Combined grids for Bulk Energy Users**



#### Additional Data Collected

Priority agriculture areas

Priority tourism nodes &

landscapes

open spaces

6

Additional Data Collected							
No.	Planning category	Example in SDFs	Push/Pull				
1	Urban expansion	New housing development, new shopping areas, new markets, new suburbs, existing/proposed mixed use areas	Push				
2	Industrial expansion	Light industrial areas, heavy industrial areas- within urban edge	Pull				
3	Industrial zone establishment	Areas outside the urban edge demarcated for special/strategic economic developments	Pull				
4	Planned transportation routes	Proposed linkages; roads, taxi/train/bus stations; activity corridors	Push				
5	Priority mining areas	Existing mining activity, proposed/potential mining activity	Pull				

High potential agricultural areas;

intensive/extensive agricultural areas;

existing/proposed agricultural nodes;

Priority natural areas & Municipal/Urban Open Space; Conservation Area; Push/pull

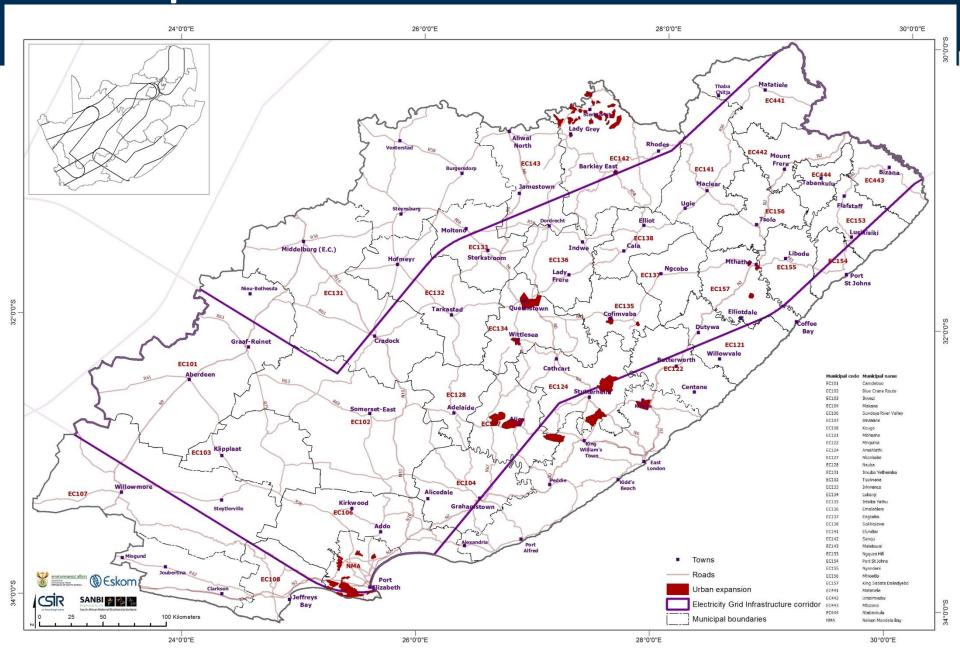
Existing/proposed game farms; conservancies;

scenic routes, heritage areas; botanical gardens

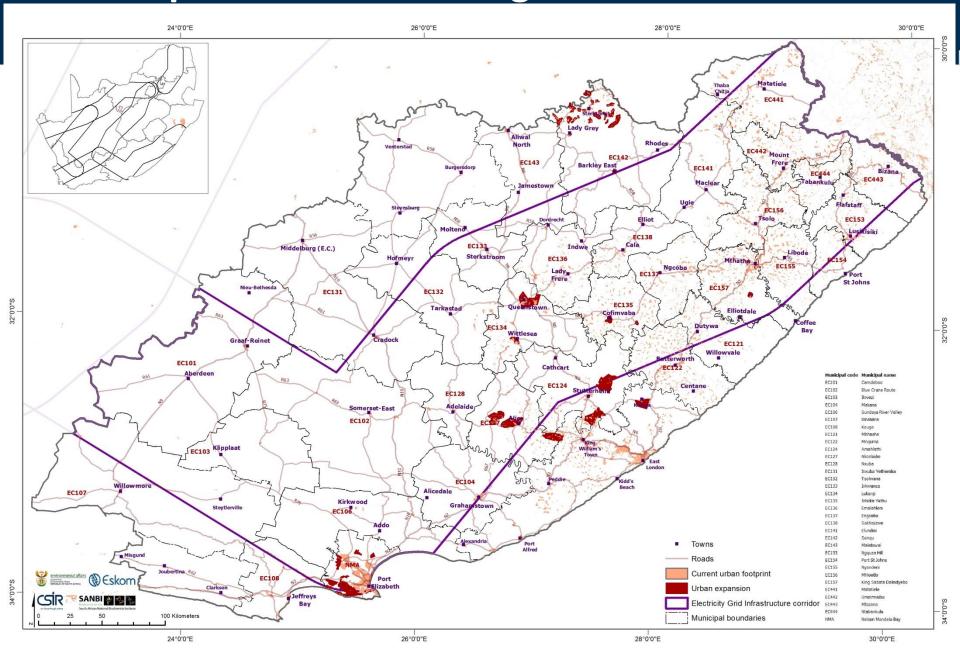
Parks, Recreation; CBA; ESA rivers; wetlands

Pull

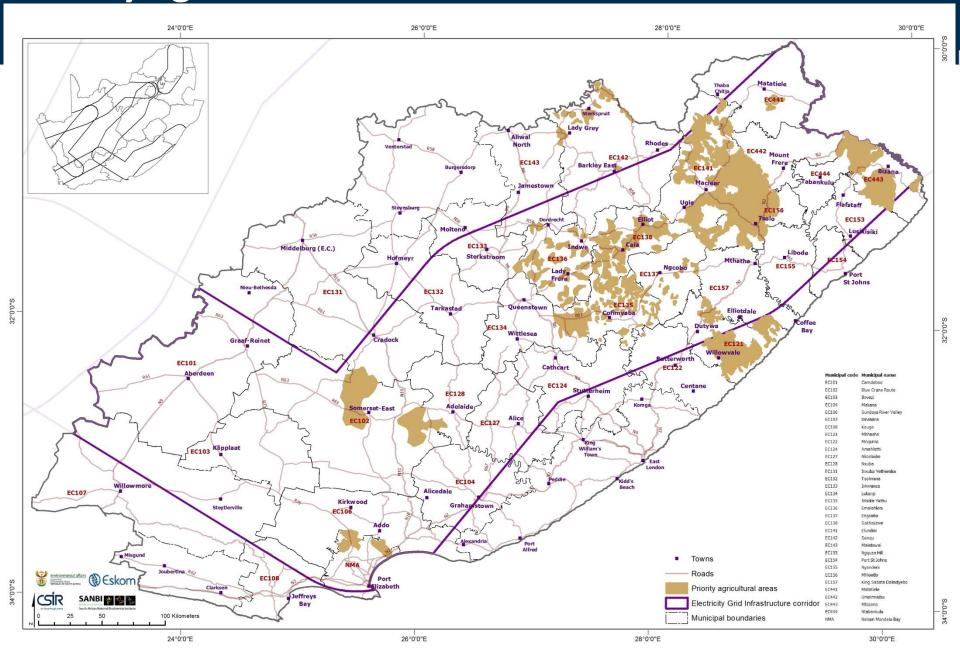
#### **Urban expansion**



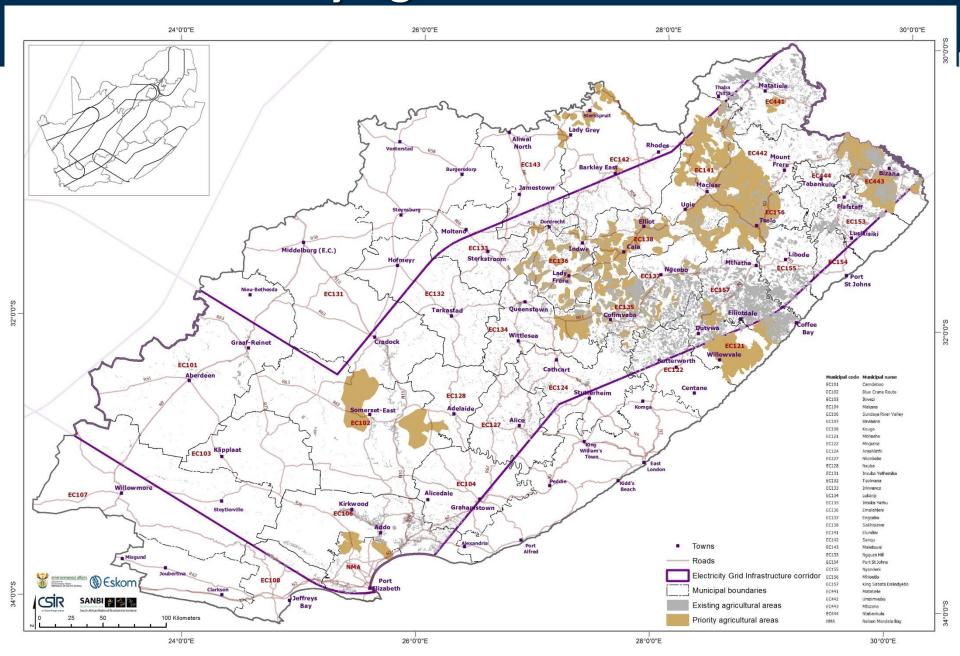
#### **Urban expansion and existing urban areas**



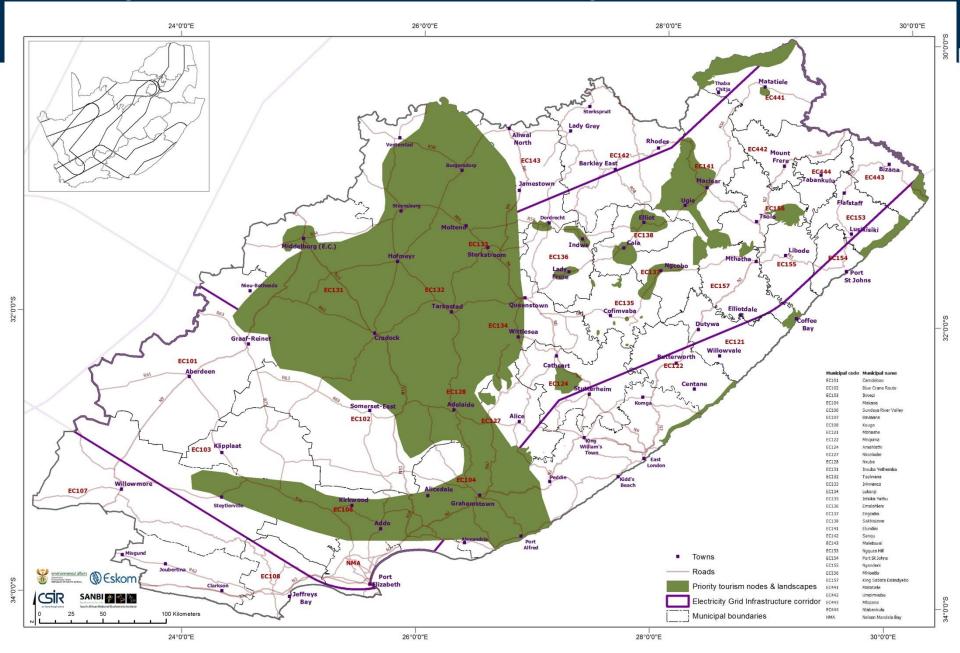
#### **Priority agriculture areas**



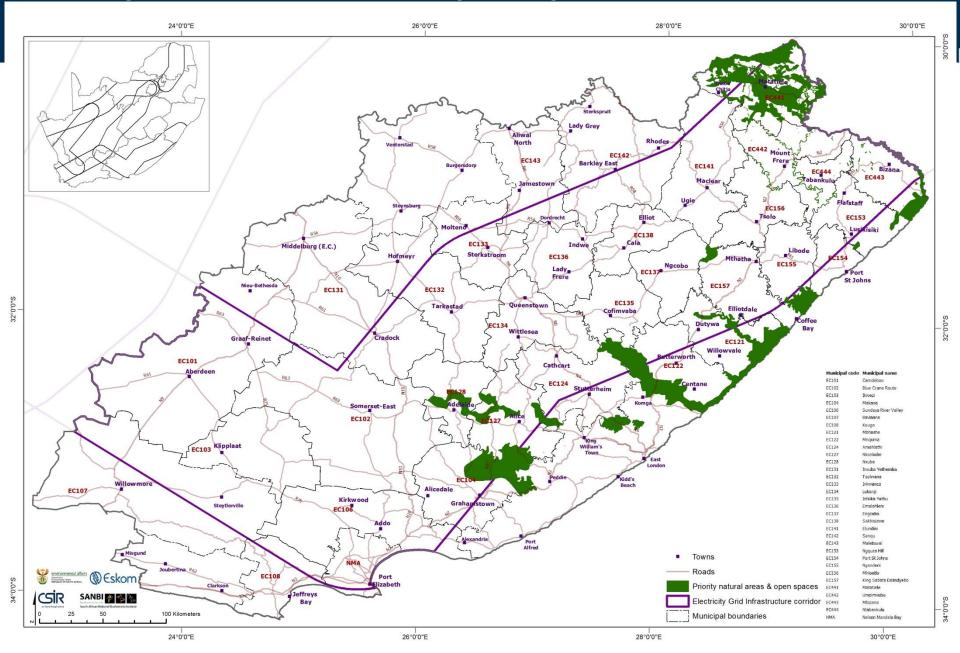
## **Available Priority Agricultural Areas**



#### **Priority tourism nodes & landscapes**



#### Priority natural areas & open spaces



## **Conclusions and way forward**

The information we were able to extract was useful for refining future demand

Ultimate use depends on feedback gathered during the consultation for refinement of the data









#### **Questions and Discussion**

