

South Africa



Botswana



Night light emission and Population of Botswanan regions

Night light emission in Botswana

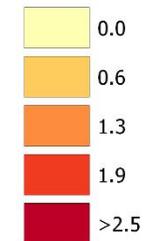
Detected night lights



0 100 200 300 400 km

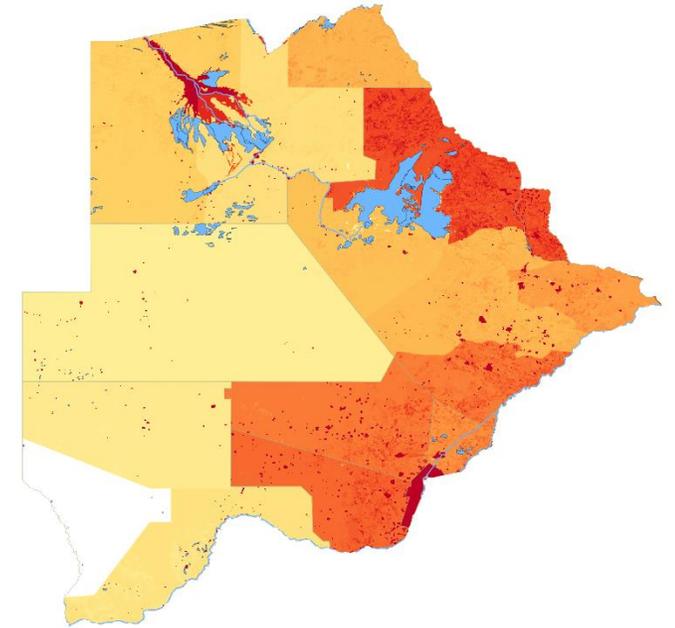
Population structure of Botswana

Population density (people/750x750m²)

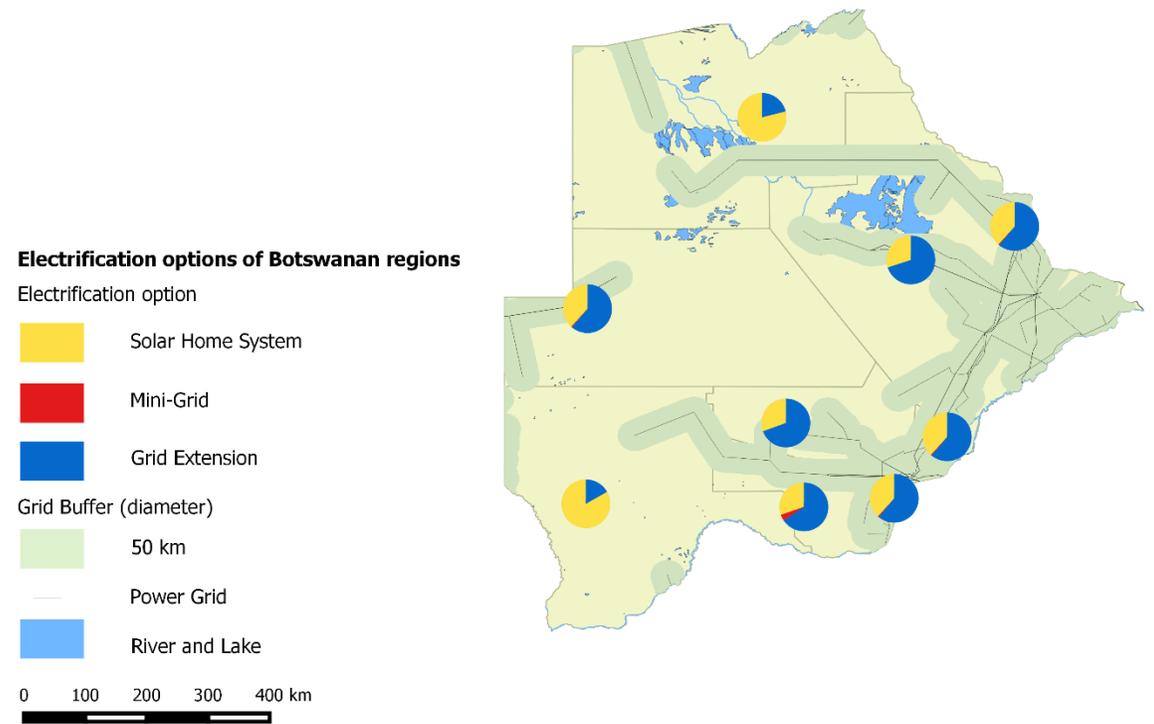
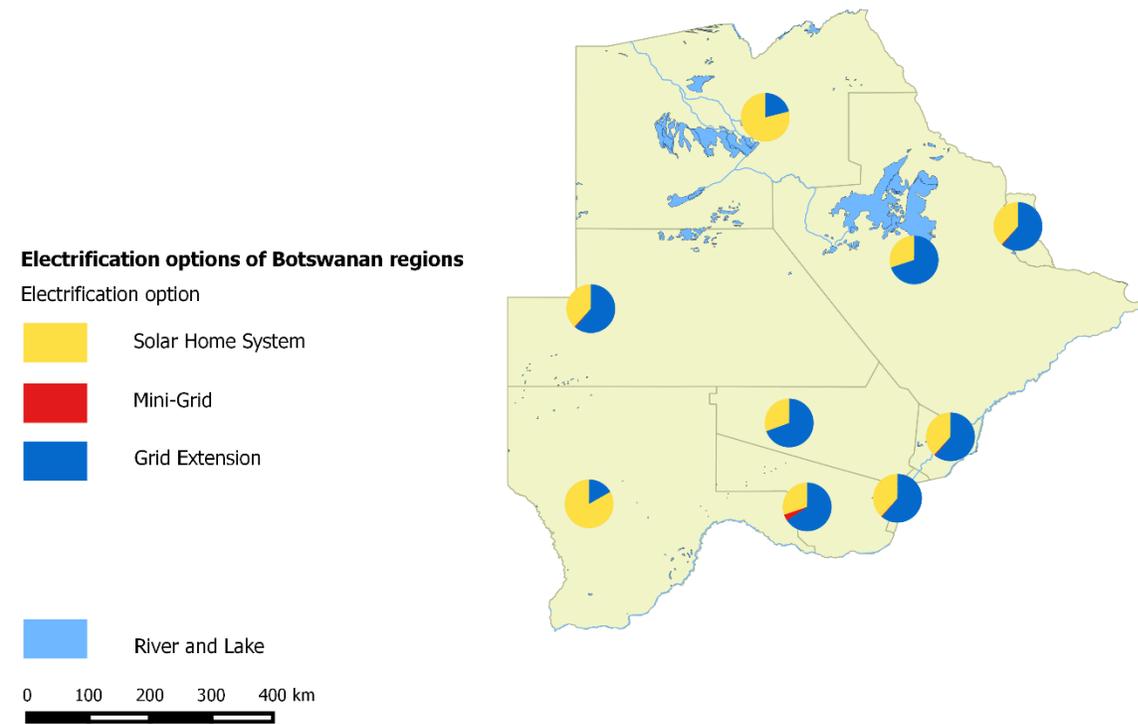


River and Lake (represented by a blue square)

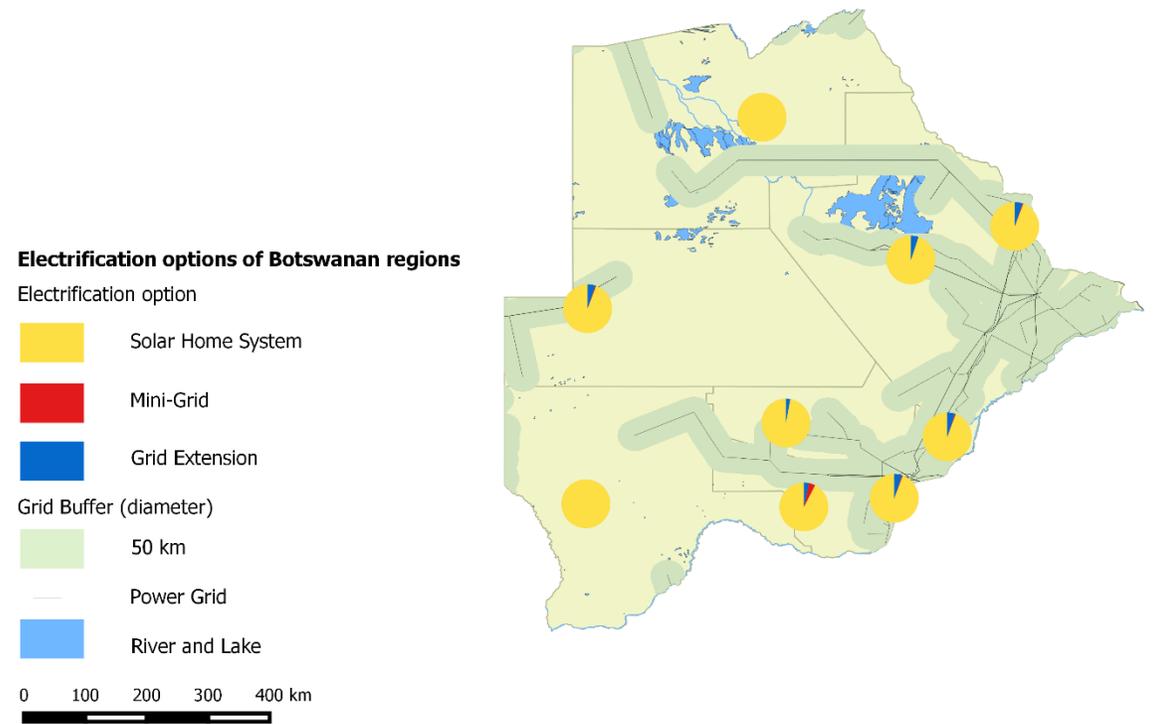
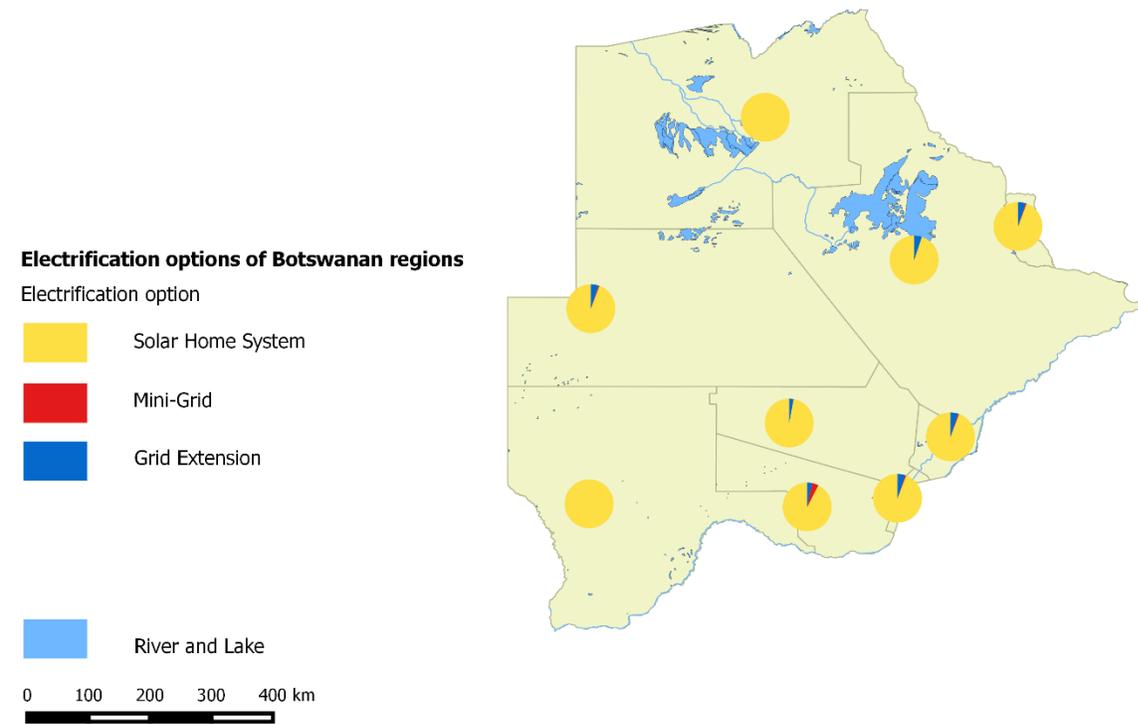
0 100 200 300 400 km



Electrification option in all Botswanan regions: GridBuilt-GridDom



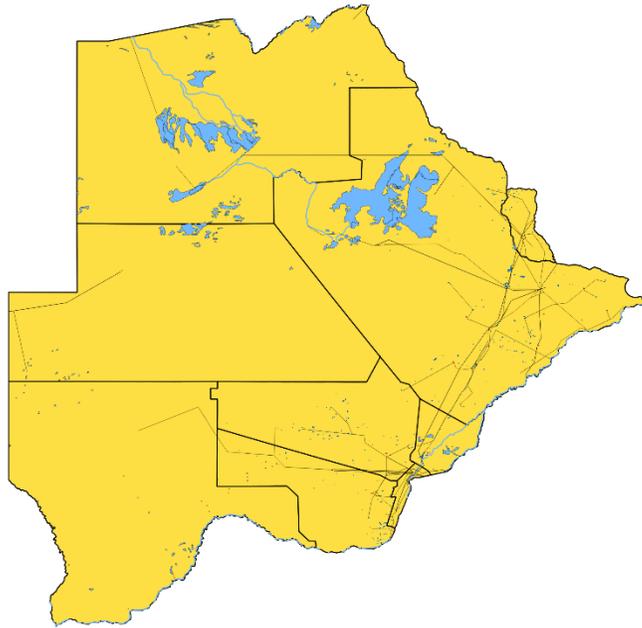
Electrification option in all Botswanan regions: GridBuilt-SHSDom



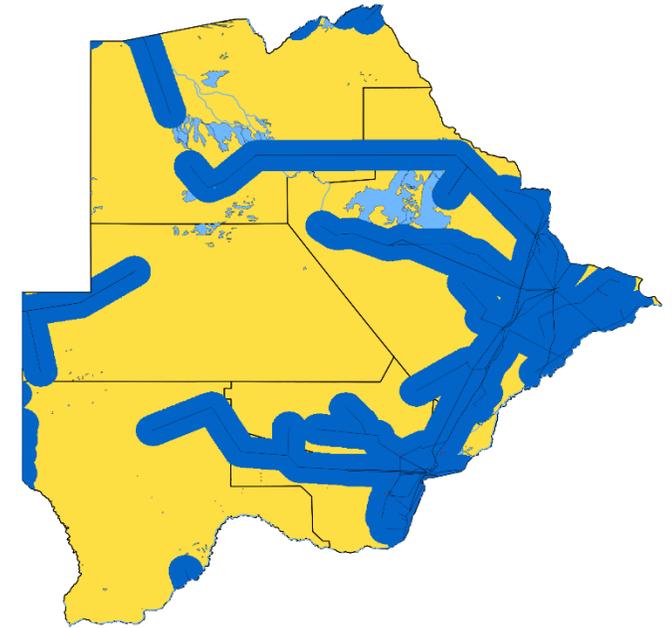
Electrification option: GridBuilt-SHSDom

Electrification option: GridBuilt-GridDom

Electrification options of Botswanan regions



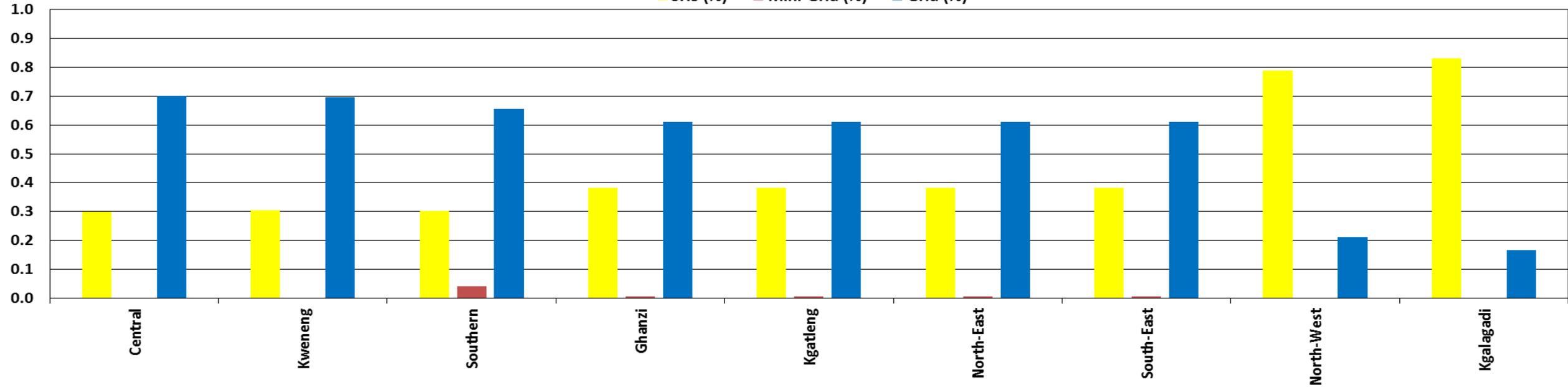
Electrification options of Botswanan regions



Share of electrification options in all Botswanan regions

GridBuilt-GridDom

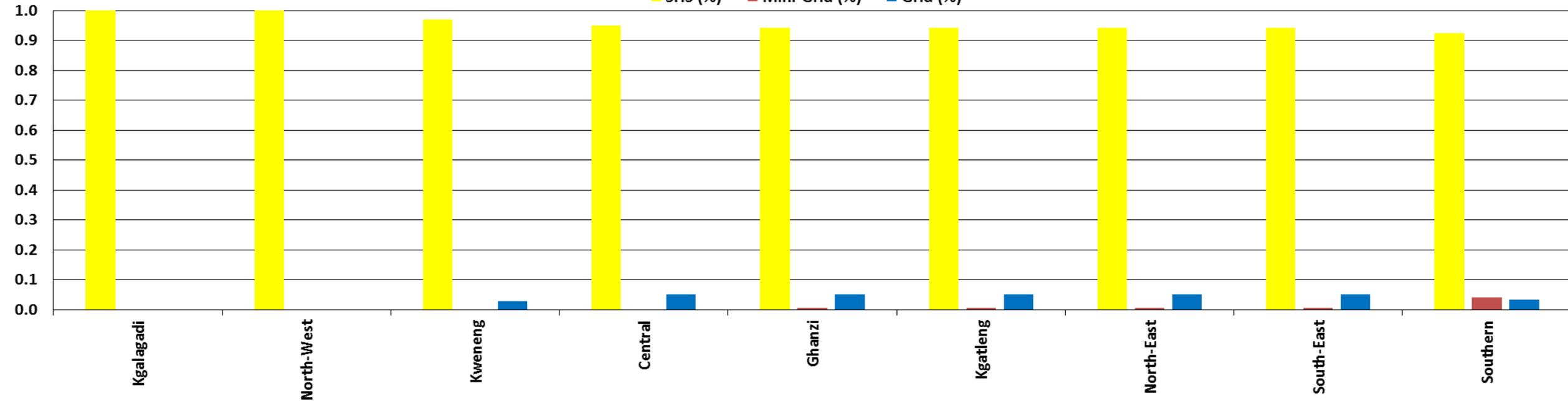
SHS (%) Mini-Grid (%) Grid (%)



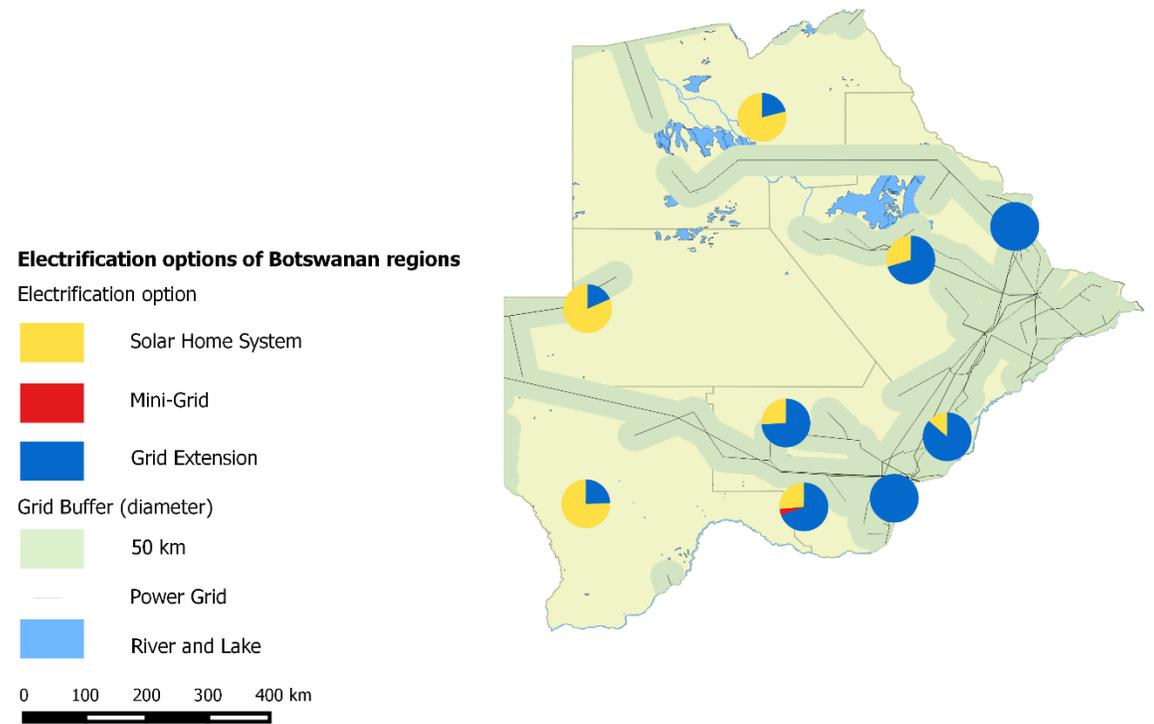
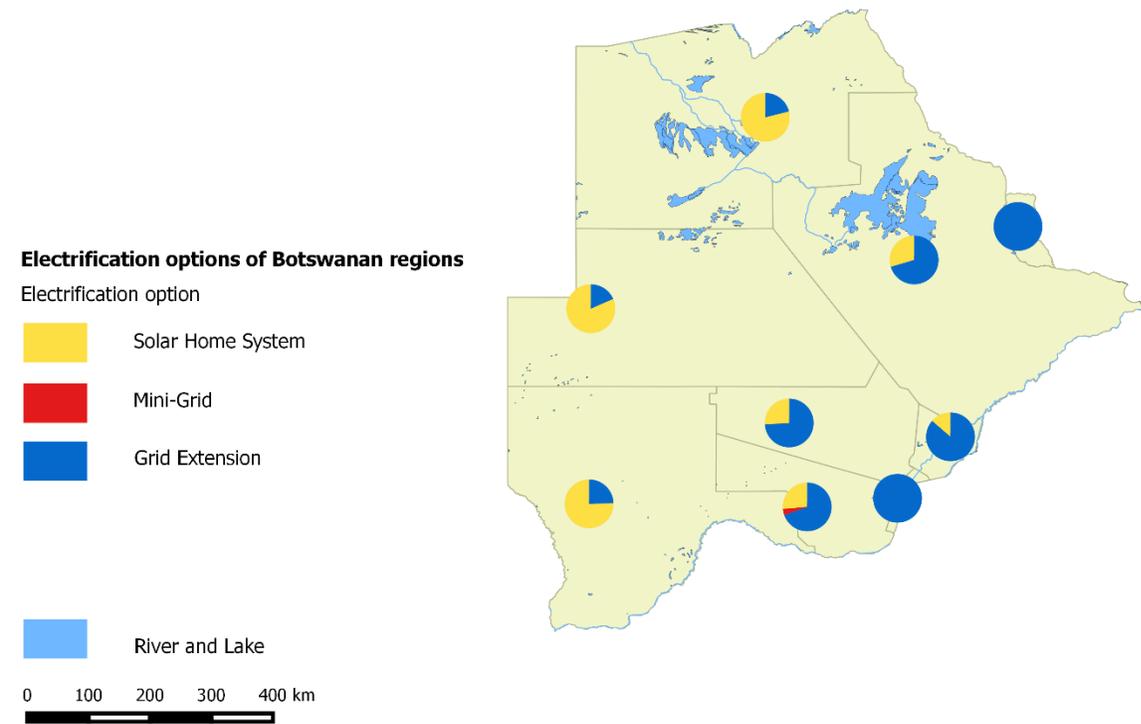
Share of electrification options in all Botswanan regions

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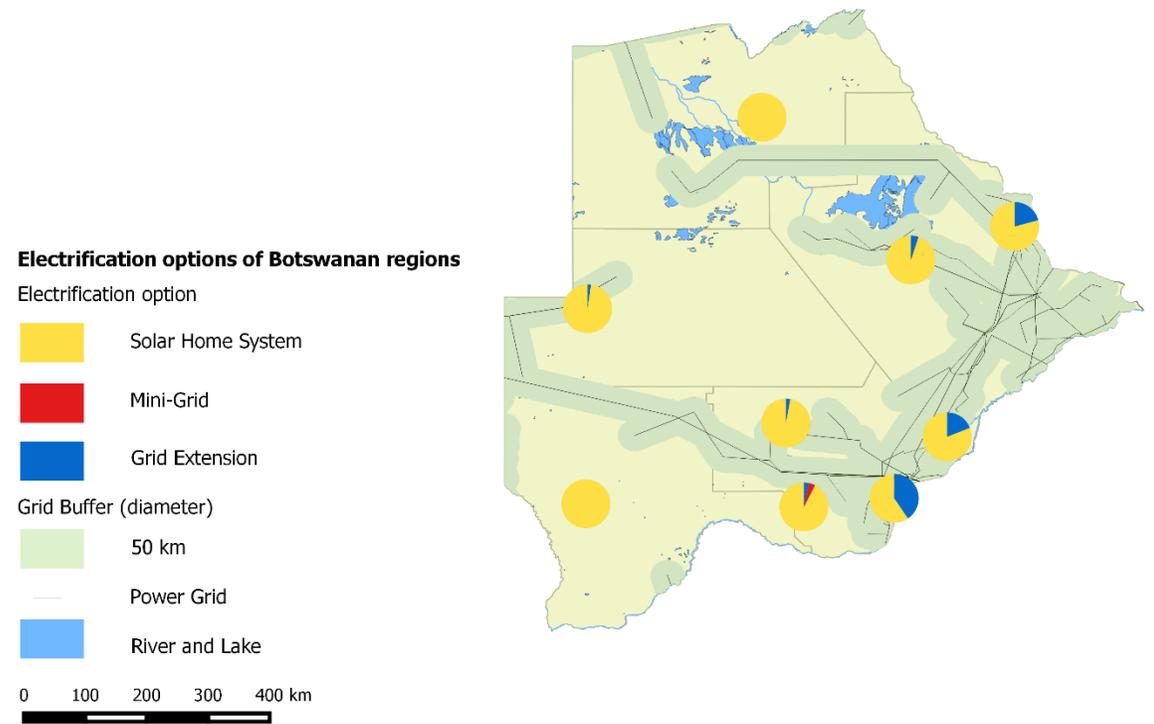
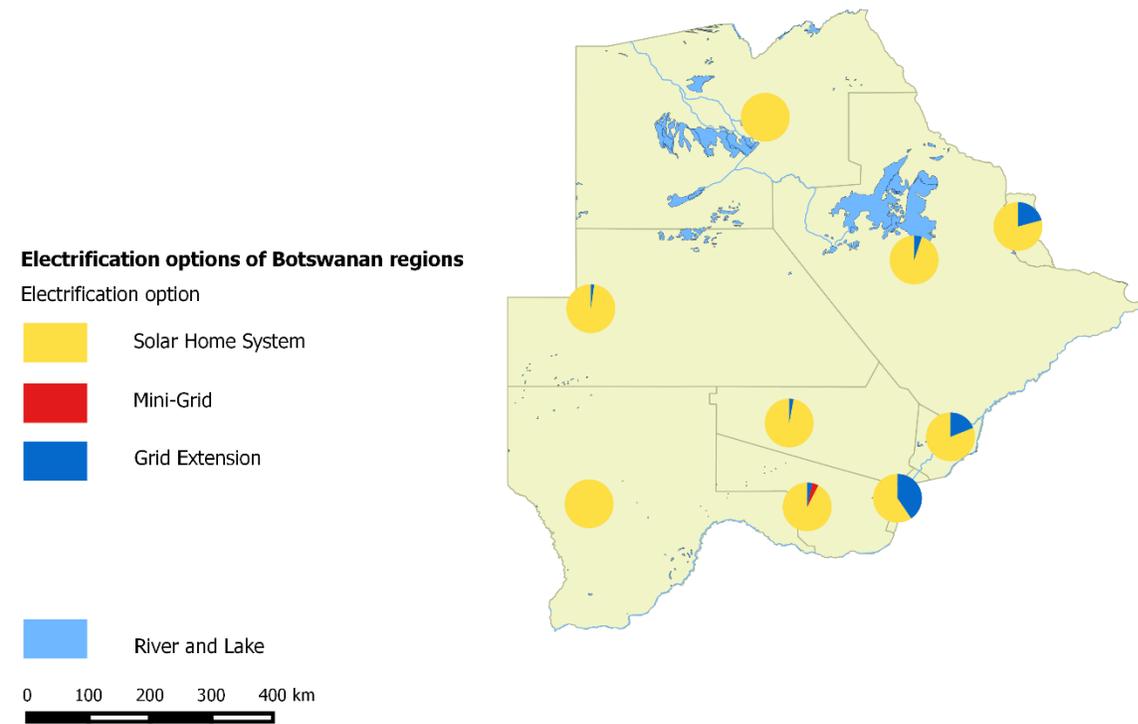
SHS (%) Mini-Grid (%) Grid (%)



Electrification option in all Botswanan regions: GridPlanned-GridDom



Electrification option in all Botswanan regions: GridPlanned-SHSDom



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Electrification options of Botswanan regions

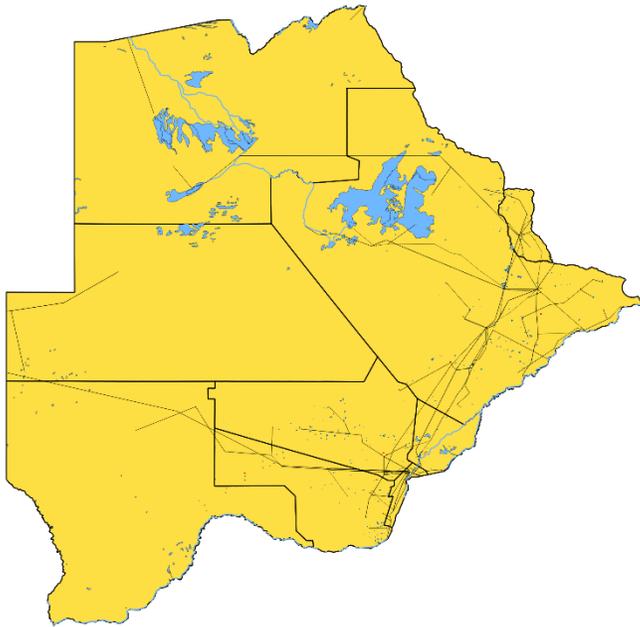
Electrification option

-  Solar Home System
-  Mini-Grid
-  Grid Extension

 Power Grid

 River and Lake

0 100 200 300 400 km



Electrification options of Botswanan regions

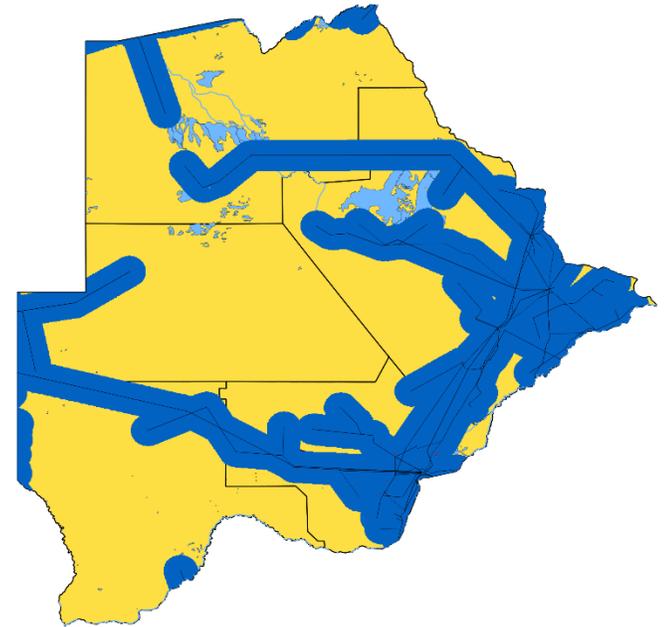
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 River and Lake

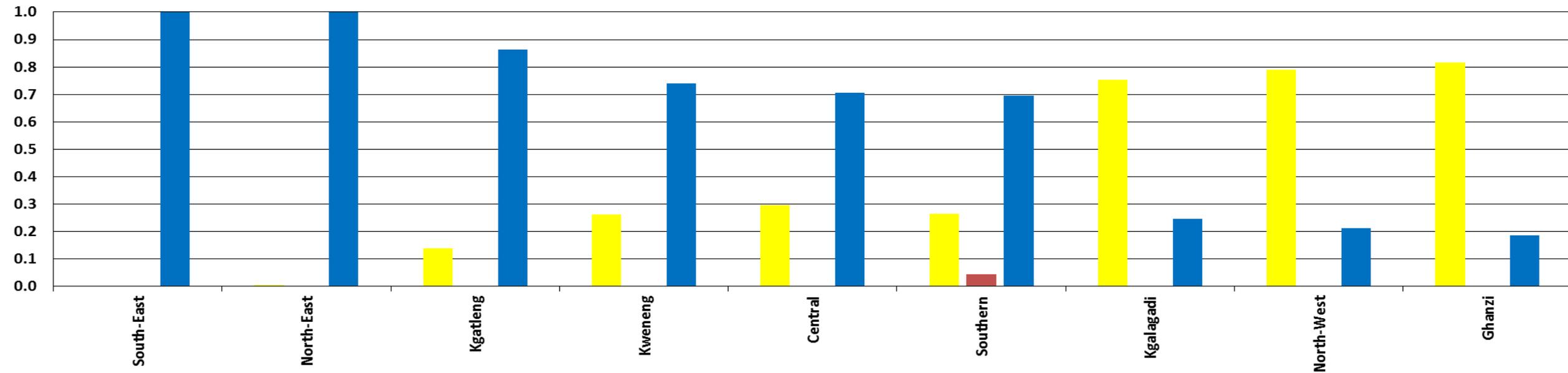
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Share of electrification options in all Botswanan regions

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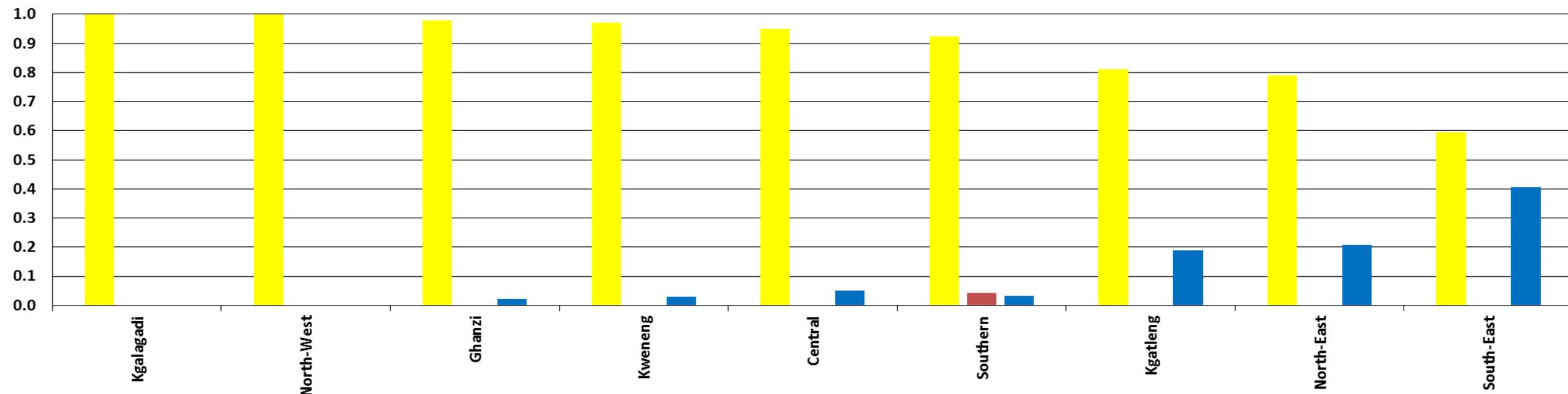
GridPlanned-GridDom



Share of electrification options in all Botswanan regions

SHS (%) Mini-Grid (%) Grid (%)

GridPlanned-SHSDom



Lesotho



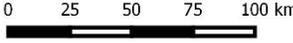
Night light emission and Population of Basotho regions



Night light emission in Lesotho

Detected night lights

- yes
- no

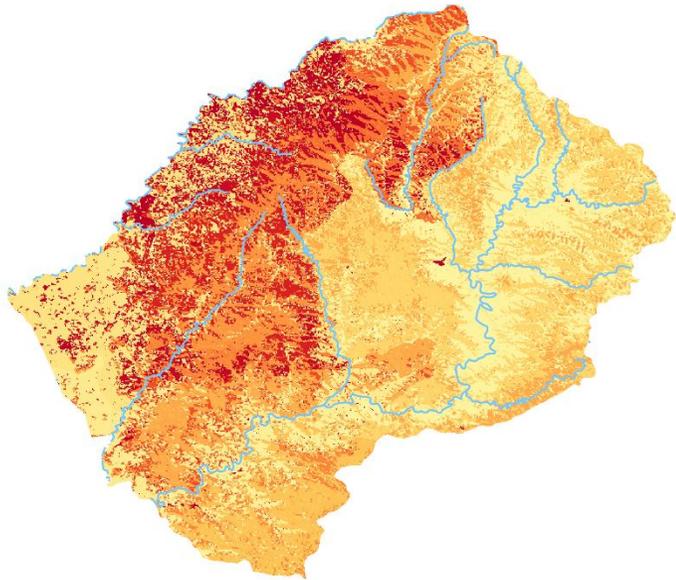
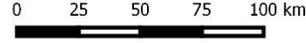


Population structure of Lesotho

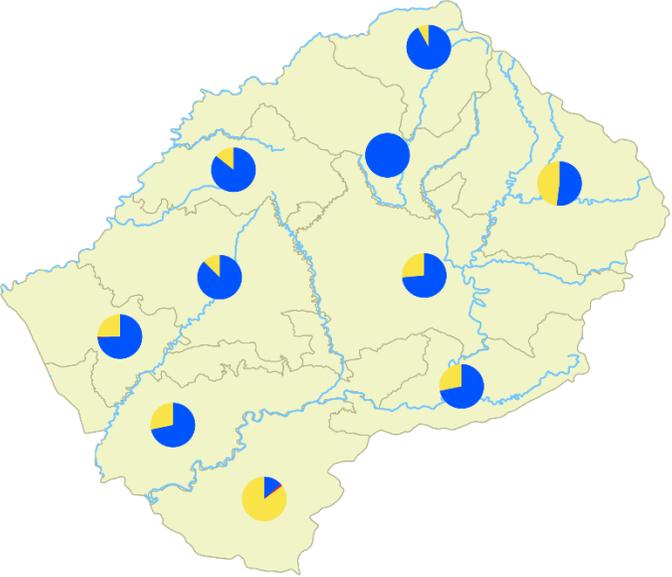
Population density (people/750x750m²)

- 0.0
- 0.3
- 0.6
- 0.8
- >1.1

River and Lake



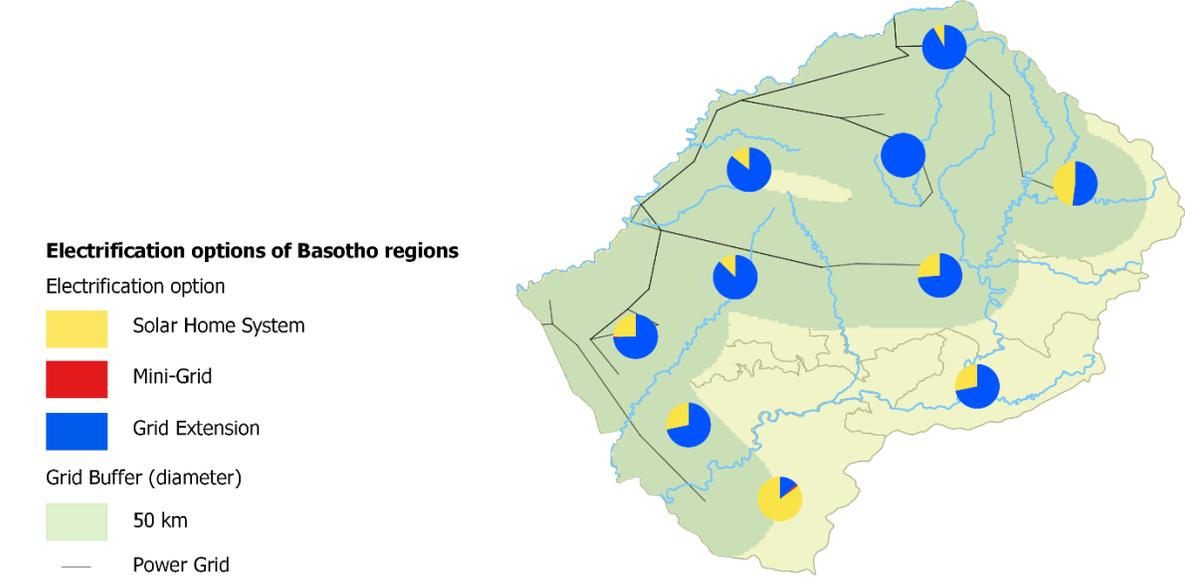
Electrification option in all Basotho regions: GridBuilt-GridDom



Electrification options of Basotho regions

- Electrification option
- Solar Home System
 - Mini-Grid
 - Grid Extension

River and Lake

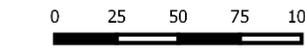


Electrification options of Basotho regions

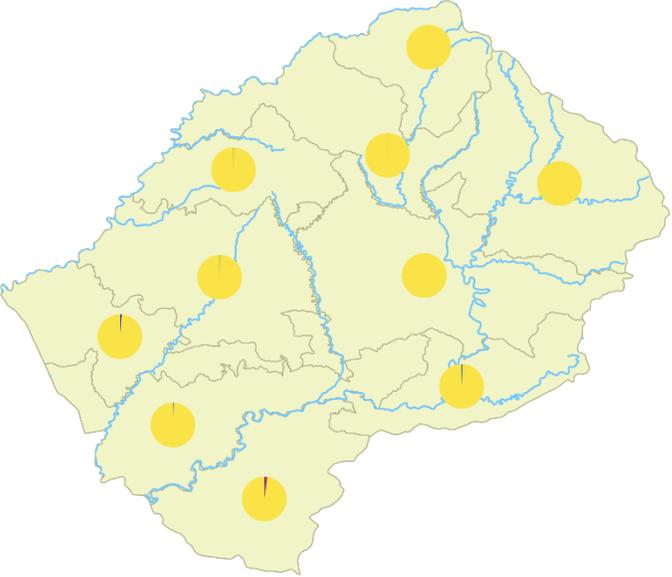
- Electrification option
- Solar Home System
 - Mini-Grid
 - Grid Extension

Grid Buffer (diameter)

- 50 km
- Power Grid
- River and Lake



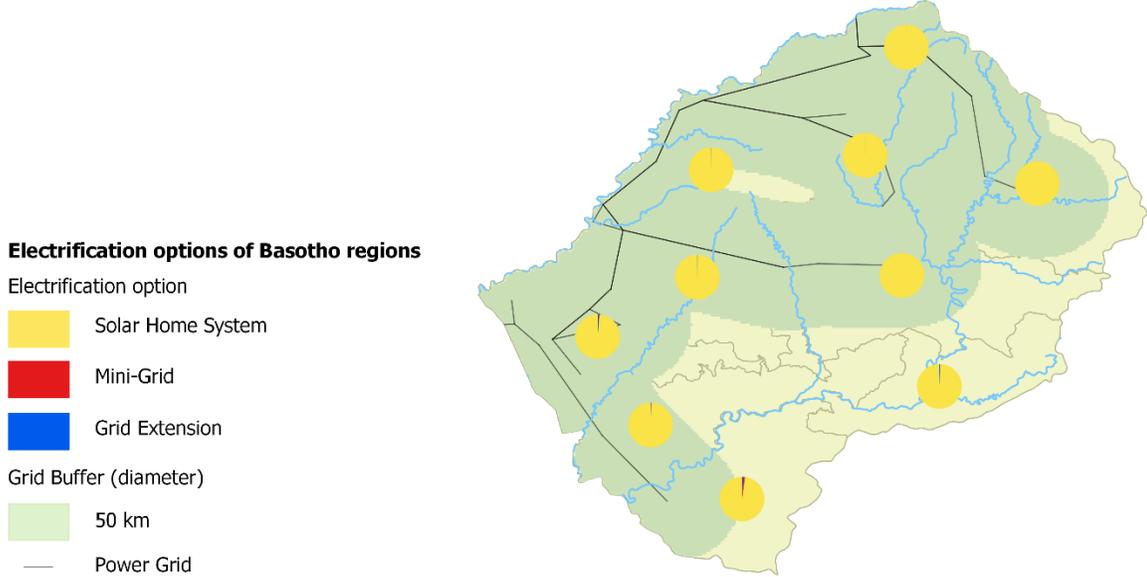
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Electrification options of Basotho regions

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River and Lake

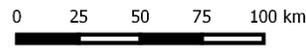


Electrification options of Basotho regions

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Electrification option: GridBuilt-SHSDom

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Electrification options of Basotho regions

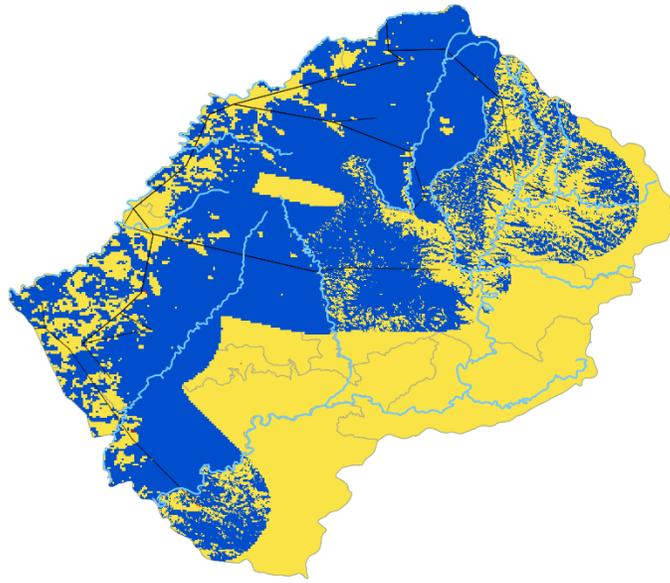
Electrification option

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-  Mini-Grid
-  Grid Extension

 Power Grid

 River and Lake

0 25 50 75 100 km



Electrification options of Basotho regions

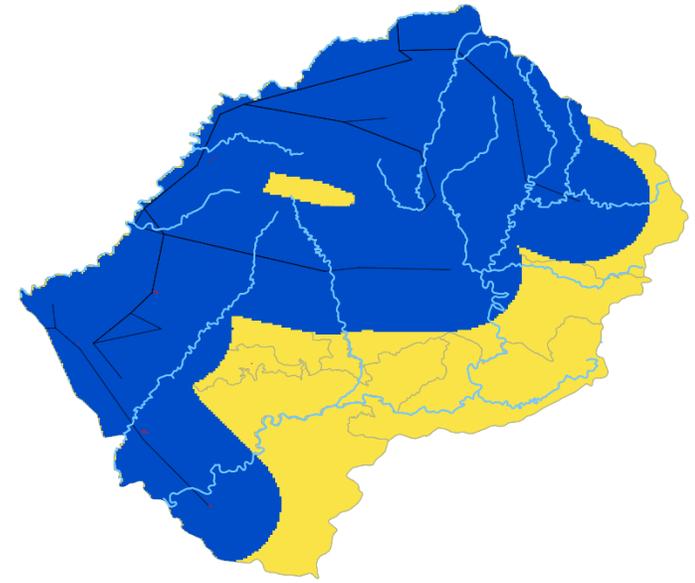
Electrification option

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-  Mini-Grid
-  Grid Extension

 Power Grid

 River and Lake

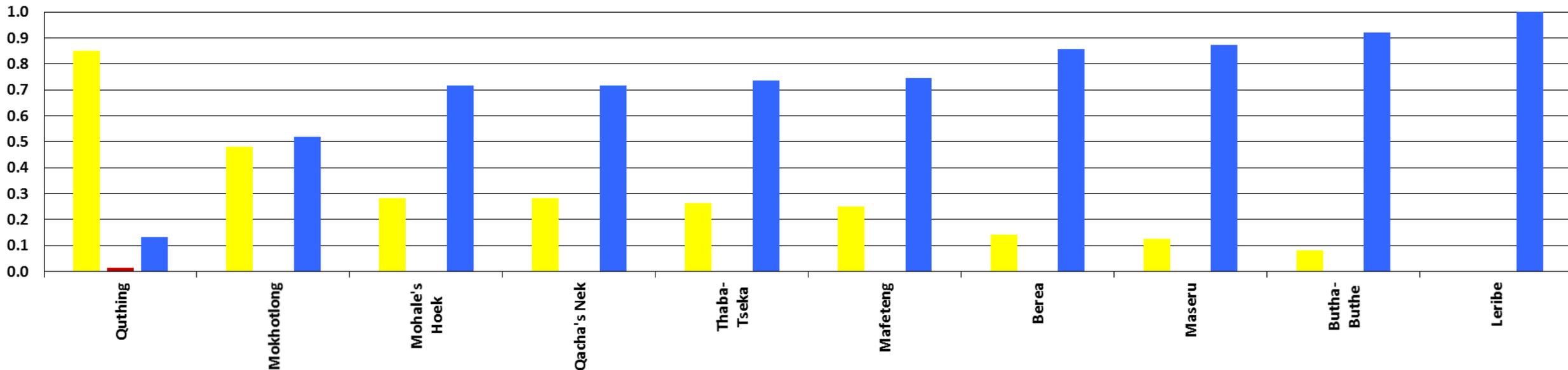
0 25 50 75 100 km



Share of electrification options in all Basotho regions

SHS (%) Mini-Grid (%) Grid (%)

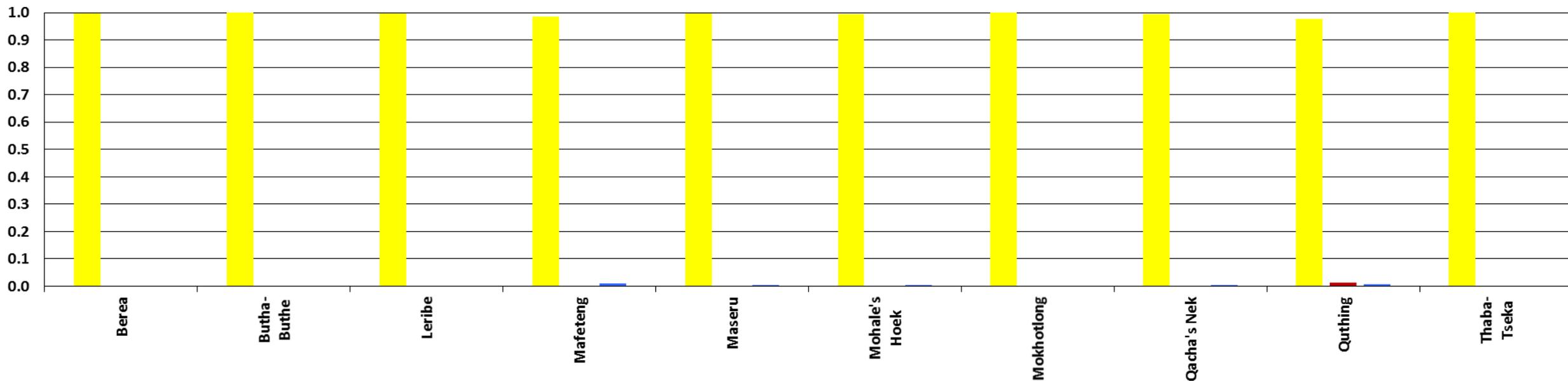
GridBuilt-GridDom



Share of electrification options in all Basotho regions

SHS (%) Mini-Grid (%) Grid (%)

GridBuilt-SHSDom



Namibia



Night light emission and Population of Namibian regions

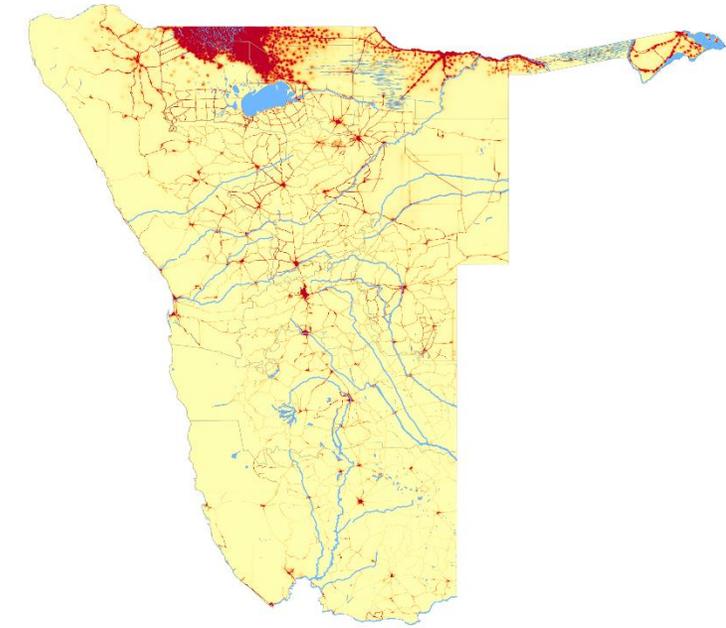


Night light emission in Namibia

Detected night lights

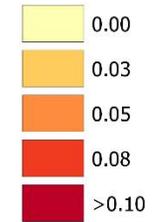


0 100 200 300 400 km



Population structure of Namibia

Population density (people/750x750m²)

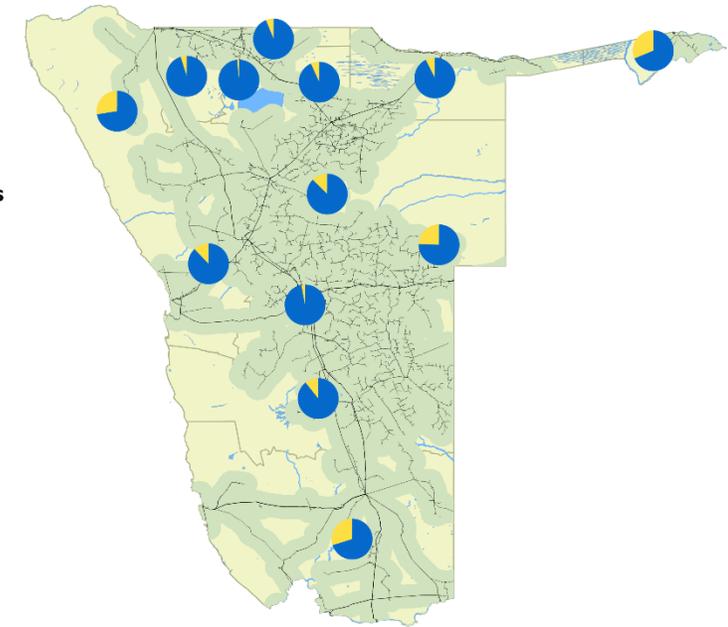
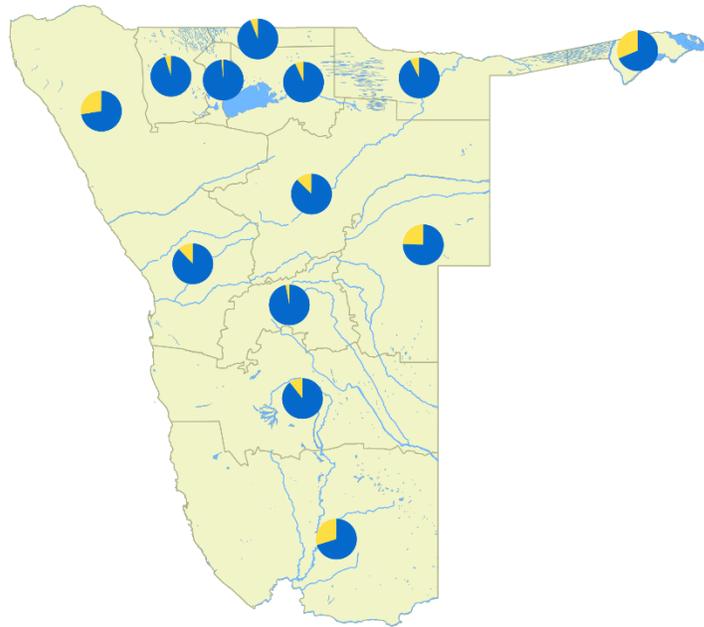


Blue square: River and Lake

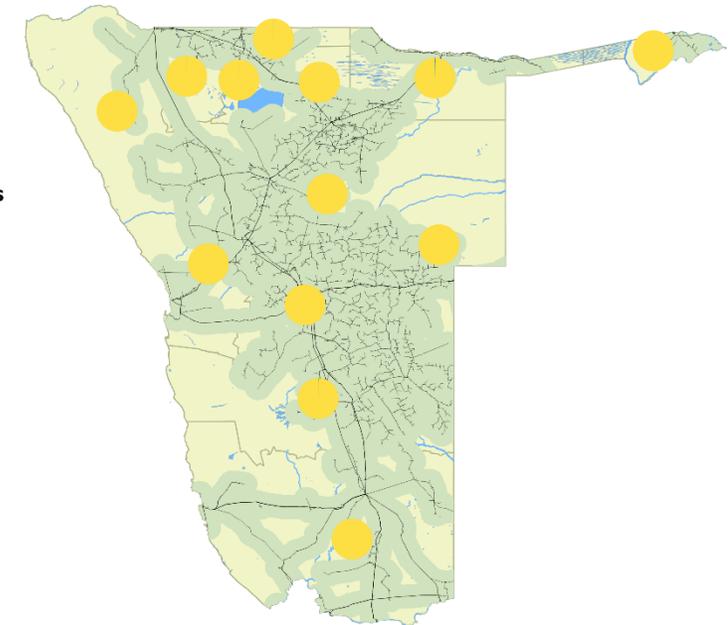
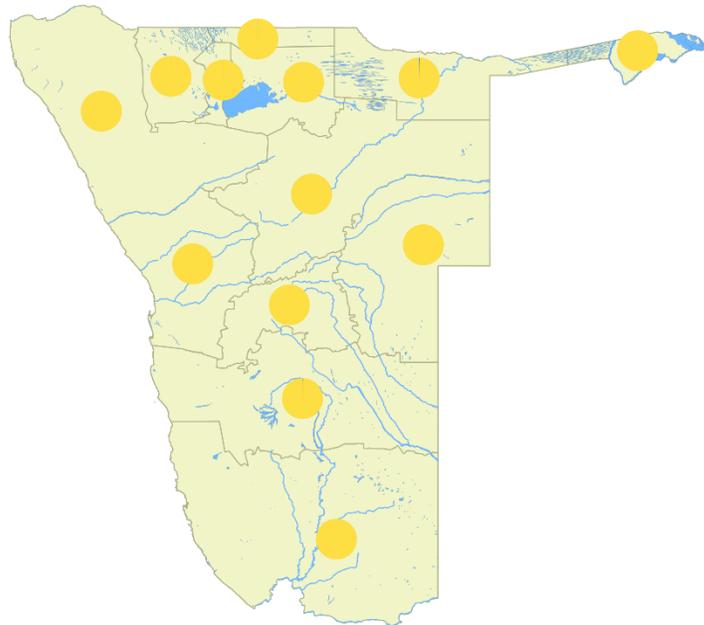
0 100 200 300 400 km



Electrification option in all Namibian regions: GridBuilt-GridDom



Electrification option in all Namibian regions: GridBuilt-SHSDom



Electrification option: GridBuilt-SHSDom

Electrification option: GridBuilt-GridDom

Electrification options of Namibian regions

Electrification option

 Solar Home System

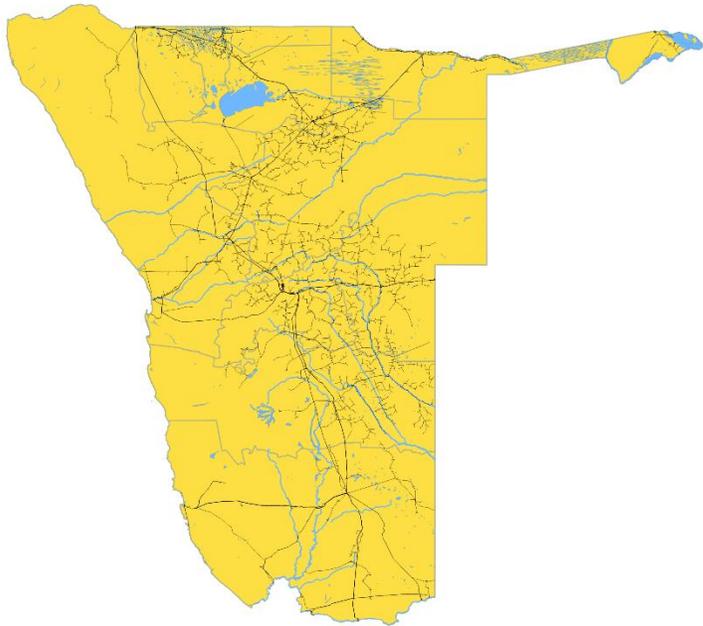
 Mini-Grid

 Grid Extension

 Power Grid

 River and Lake

0 100 200 300 400 km



Electrification options of Namibian regions

Electrification option

 Solar Home System

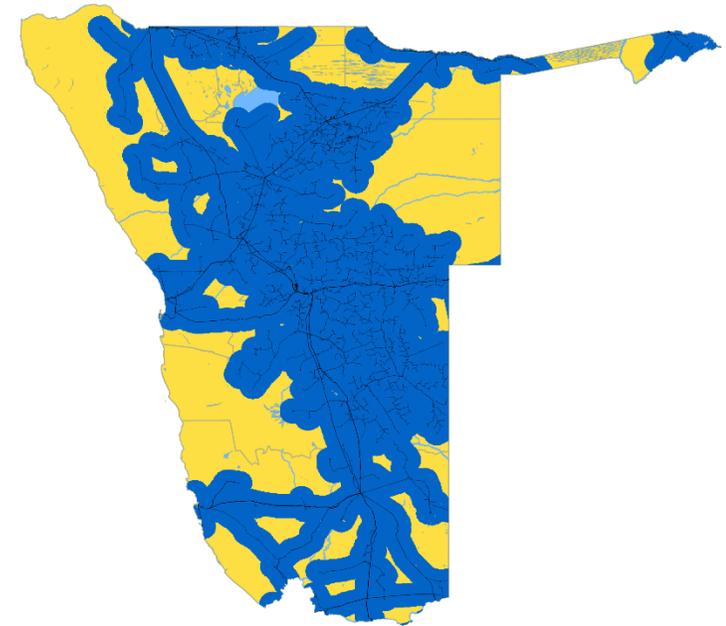
 Mini-Grid

 Grid Extension

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 River and Lake

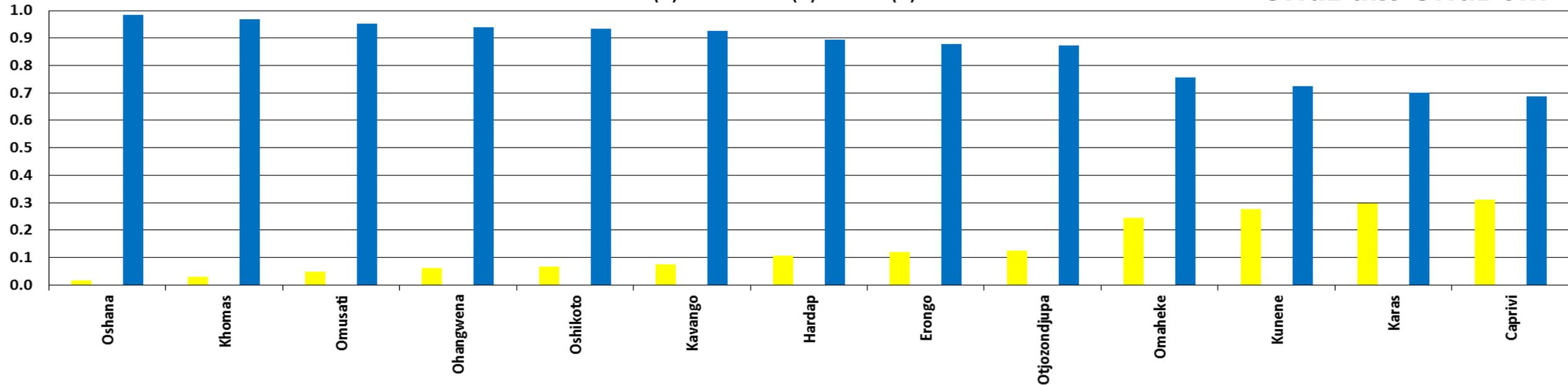
0 100 200 300 400 km



Share of electrification options in all Namibian regions

SHS (%) Mini-Grid (%) Grid (%)

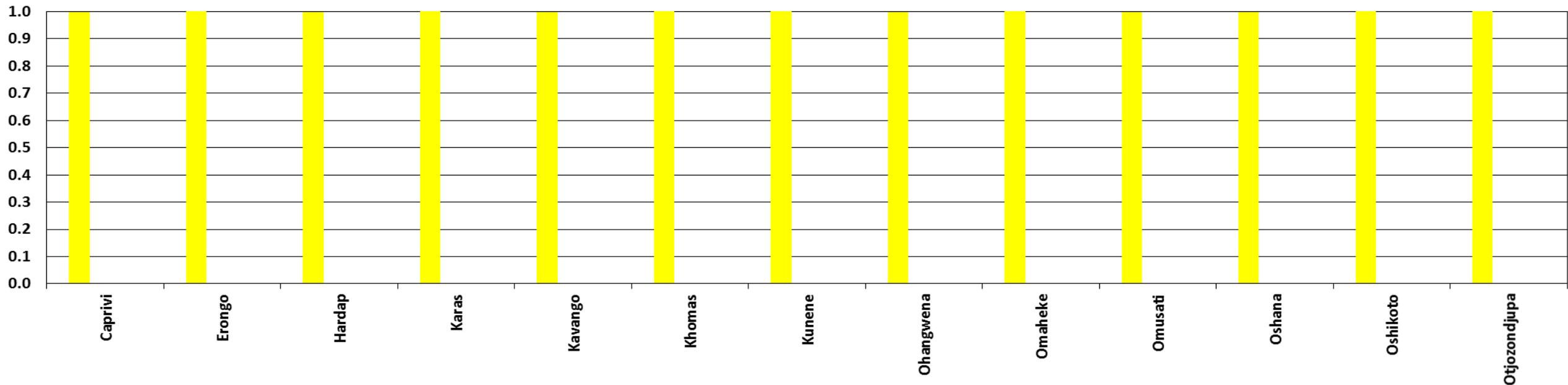
GridBuilt-GridDom



Share of electrification options in all Namibian regions

SHS (%) Mini-Grid (%) Grid (%)

GridBuilt-SHSDom



Electrification option in all Namibian regions: GridPlanned-GridDom

Electrification options of Namibian regions

Electrification option

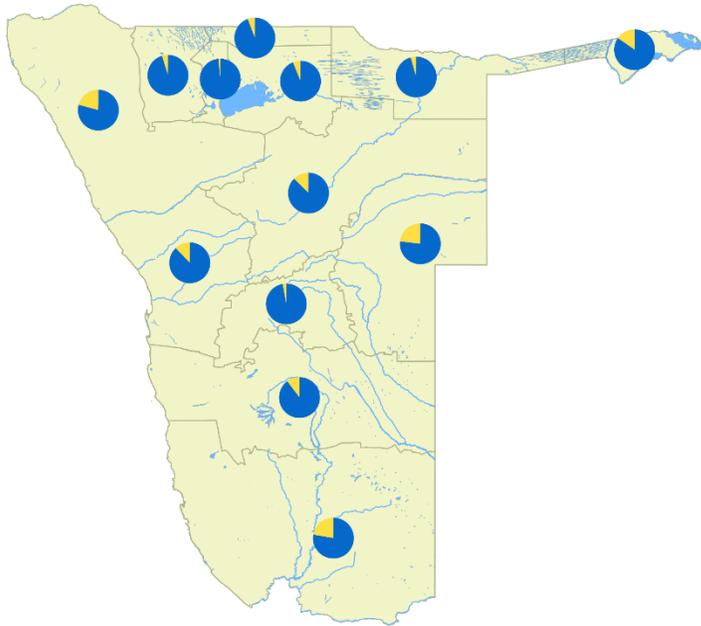
 Solar Home System

 Mini-Grid

 Grid Extension

 River and Lake

0 100 200 300 400 km



Electrification options of Namibian regions

Electrification option

 Solar Home System

 Mini-Grid

 Grid Extension

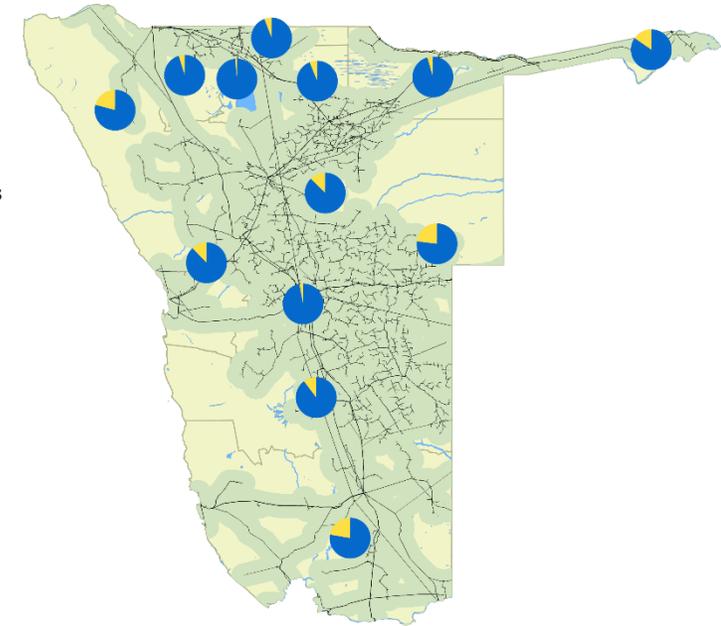
Grid Buffer (diameter)

 50 km

 Power Grid

 River and Lake

0 100 200 300 400 km



Electrification option in all Namibian regions: GridPlanned-SHSDom

Electrification options of Namibian regions

Electrification option

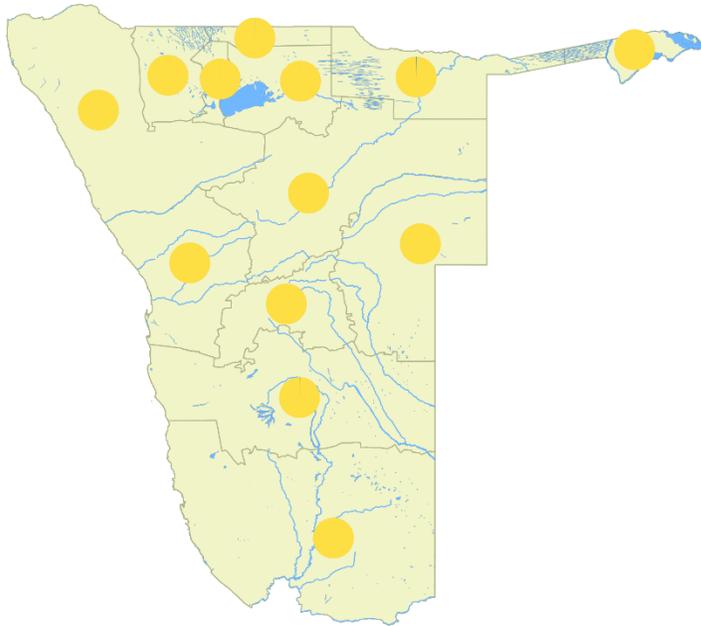
 Solar Home System

 Mini-Grid

 Grid Extension

 River and Lake

0 100 200 300 400 km



Electrification options of Namibian regions

Electrification option

 Solar Home System

 Mini-Grid

 Grid Extension

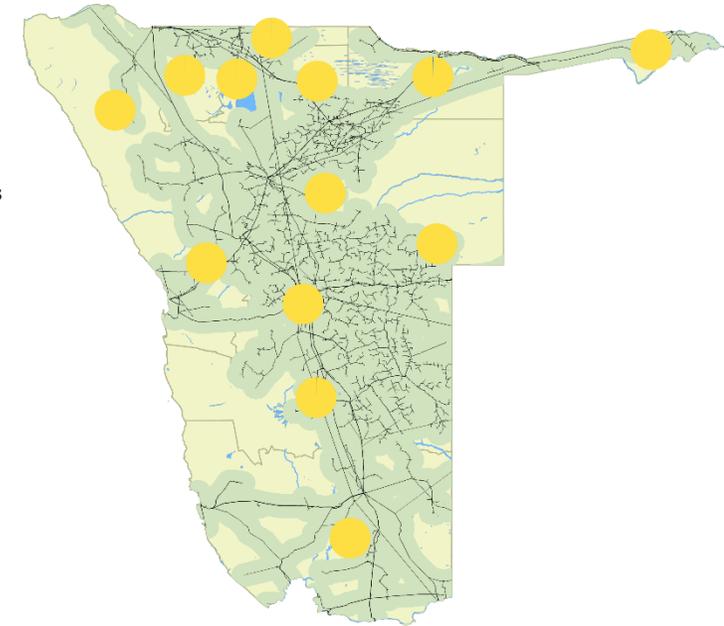
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 River and Lake

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Electrification option: GridPlanned-SHSDom

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Electrification options of Namibian regions

Electrification option

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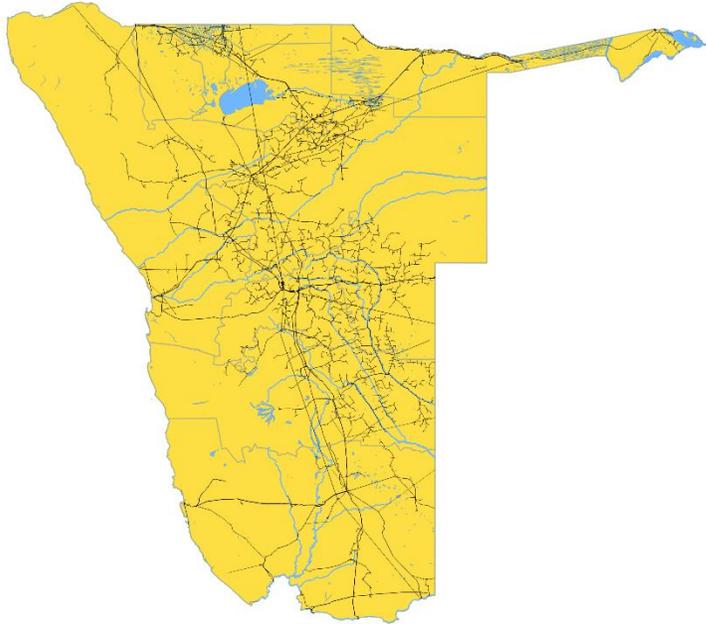
 Mini-Grid

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 Power Grid

 River and Lake

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Electrification options of Namibian regions

Electrification option

 Solar Home System

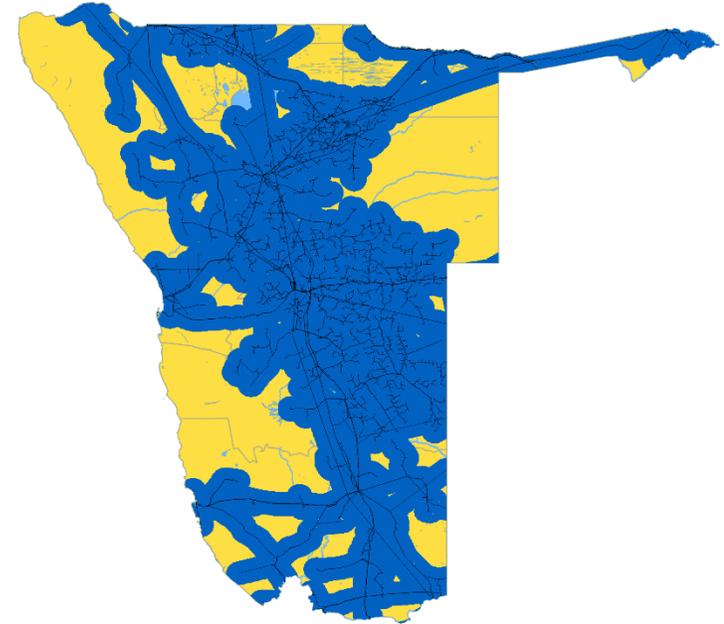
 Mini-Grid

 Grid Extension

 Power Grid

 River and Lake

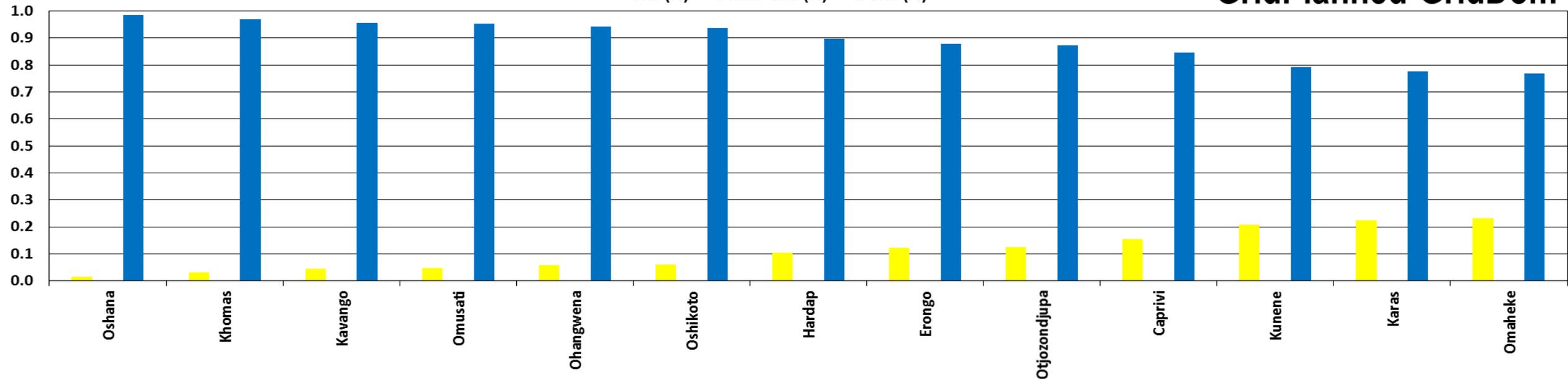
0 100 200 300 400 km



Share of electrification options in all Namibian regions

SHS (%) Mini-Grid (%) Grid (%)

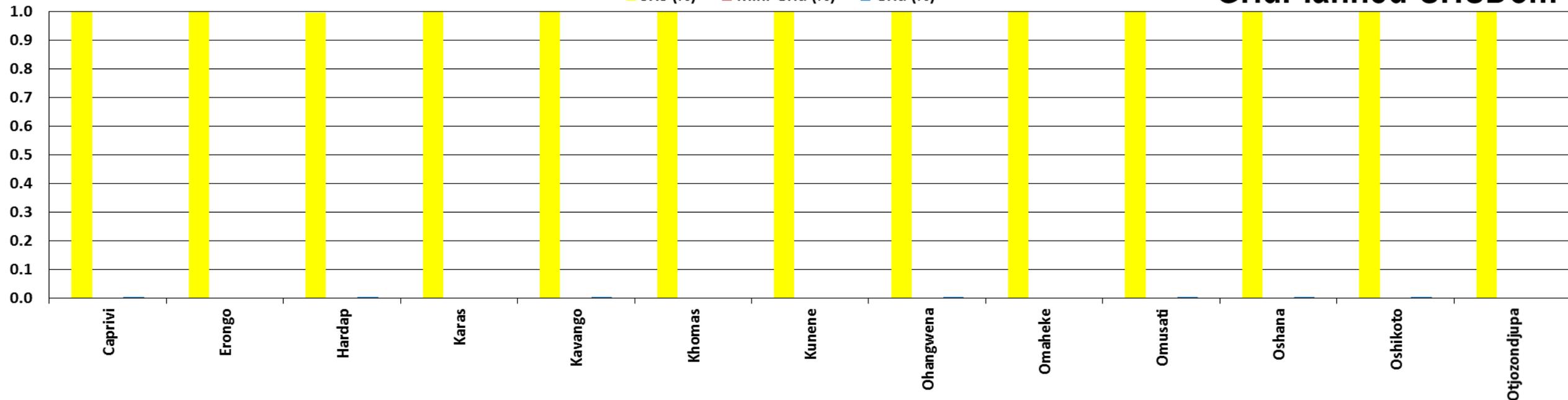
GridPlanned-GridDom



Share of electrification options in all Namibian regions

SHS (%) Mini-Grid (%) Grid (%)

GridPlanned-SHSDom



South Africa



Night light emission and Population of South African regions

Night light emission in South Africa

Detected night lights

- yes
- no



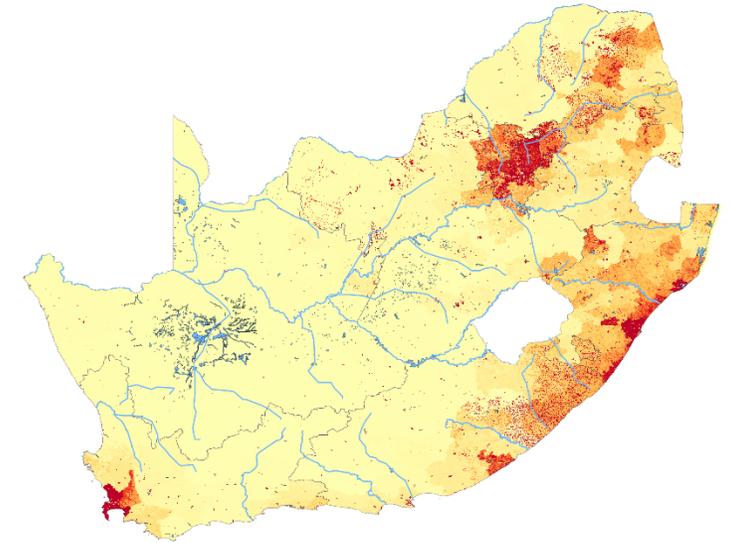
0 250 500 750 1000 km

Population structure of South Africa

Population density (people/750x750m²)

- 0.0
- 0.4
- 0.7
- 1.1
- >1.4

River and Lake



0 250 500 750 1000 km

Electrification option in all South African regions: GridBuilt-GridDom

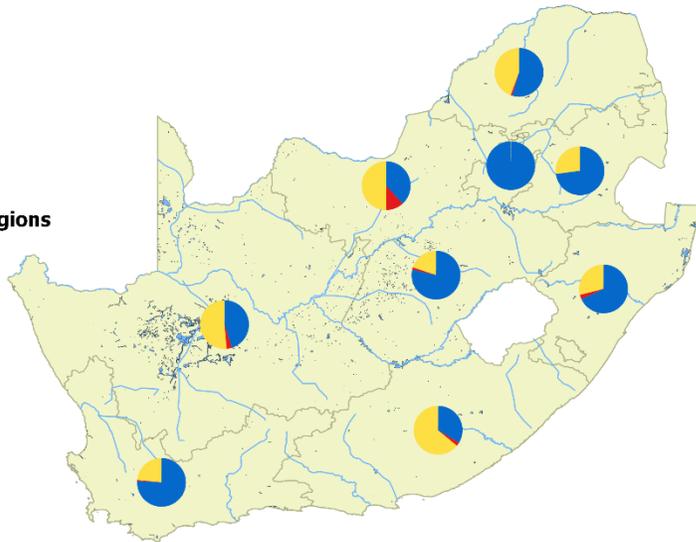
Electrification options of South African regions

Electrification option

-  Solar Home System
-  Mini-Grid
-  Grid Extension

 River and Lake

0 250 500 750 1000 km



Electrification options of South African regions

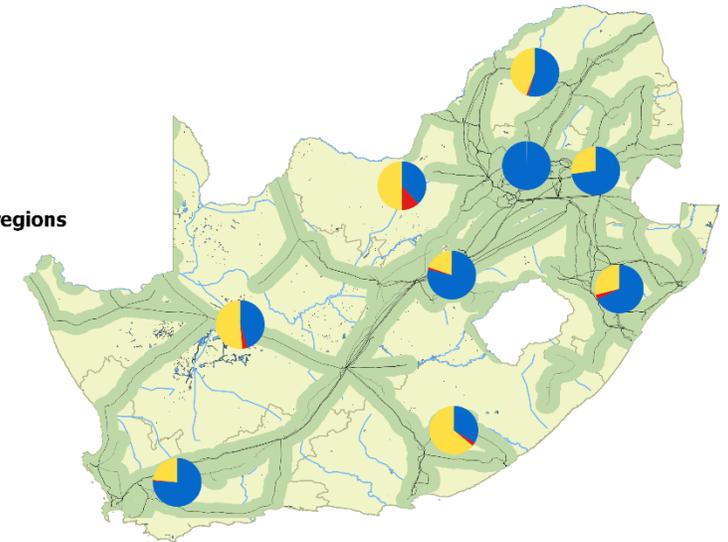
Electrification option

-  Solar Home System
-  Mini-Grid
-  Grid Extension

Grid Buffer (diameter)

-  50 km
- Power Grid
-  River and Lake

0 250 500 750 1000 km



Electrification option in all South African regions: GridBuilt-SHSDom

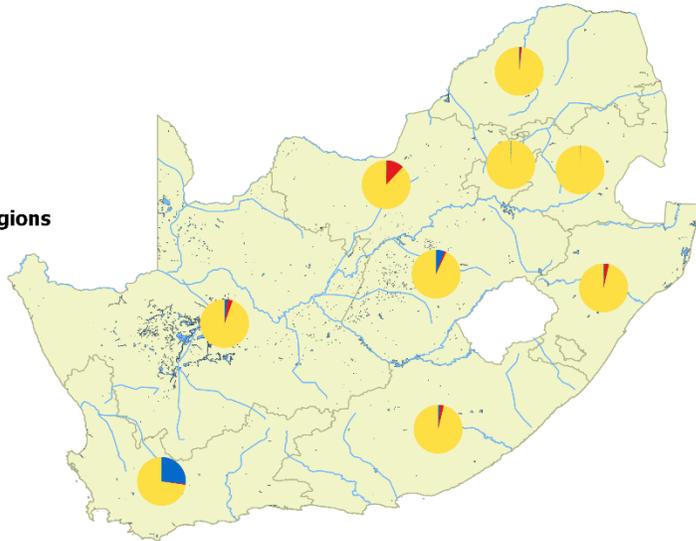
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Electrification options of South African regions

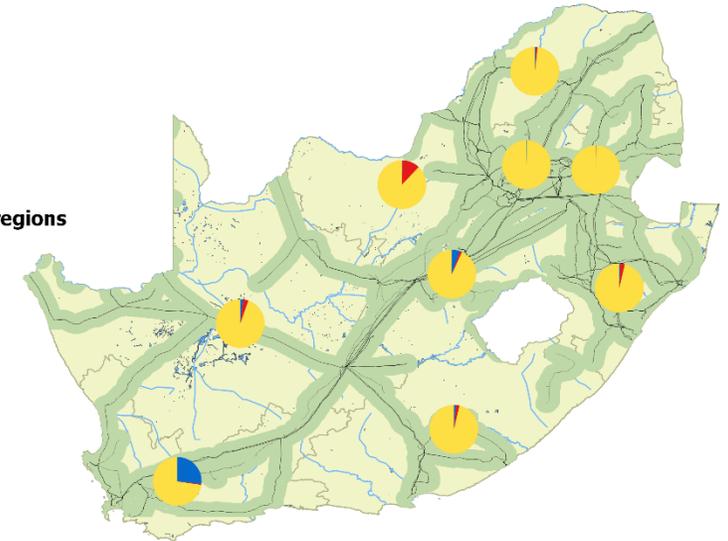
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Electrification option: GridBuilt-SHSDom

Electrification option: GridBuilt-GridDom

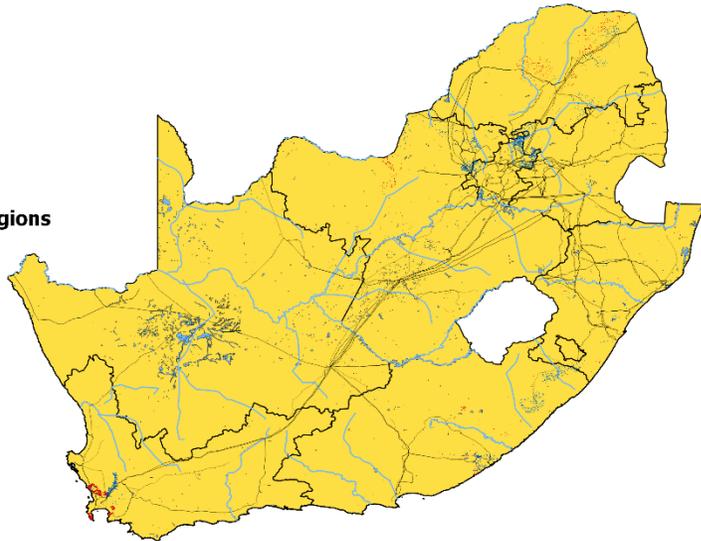
Electrification options of South African regions

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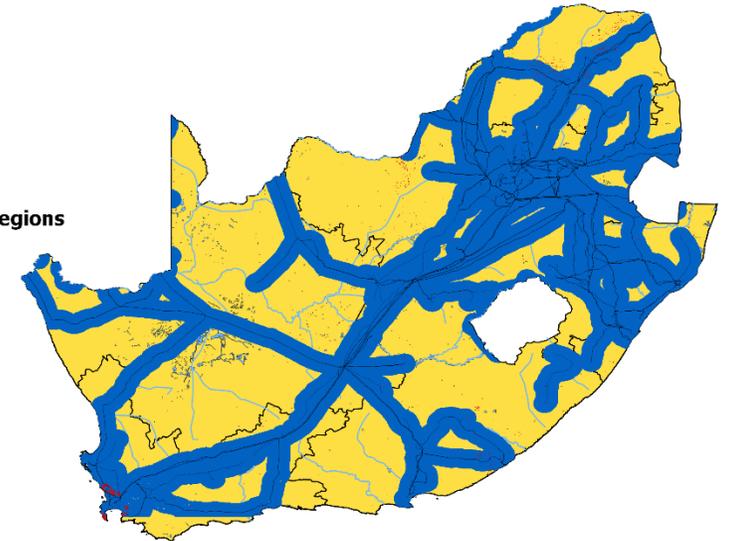
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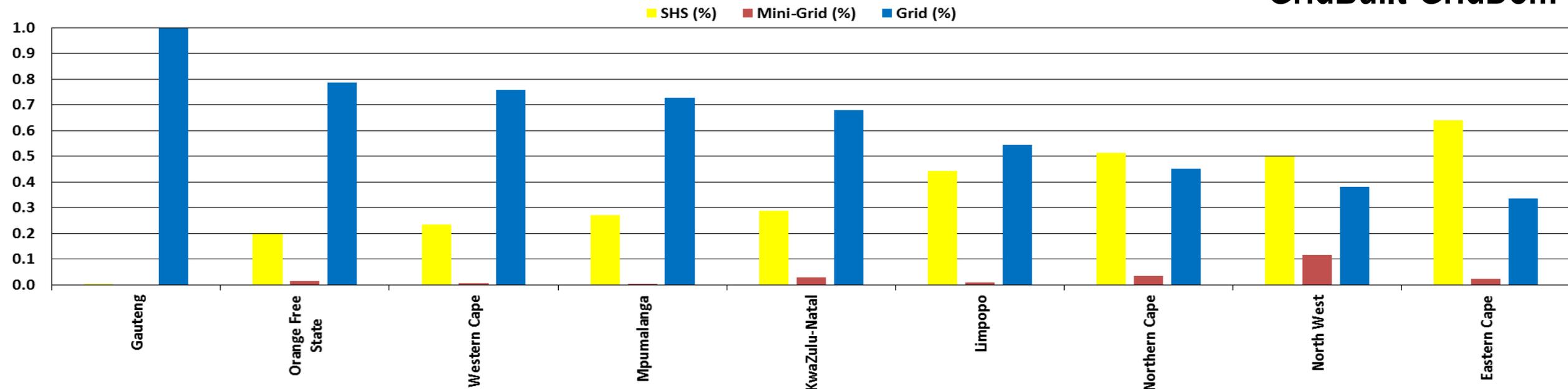
-  Power Grid
-  River and Lake

0 250 500 750 1000 km



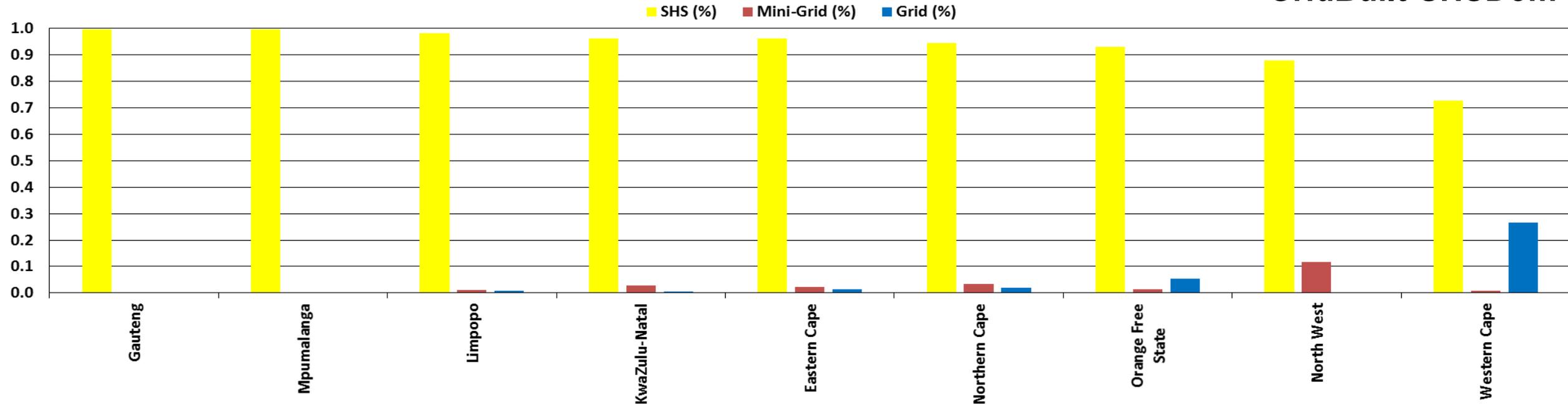
Share of electrification options in all South African regions

GridBuilt-GridDom



Share of electrification options in all South African regions

GridBuilt-SHSDom



Electrification option in all South African regions: GridPlanned-GridDom

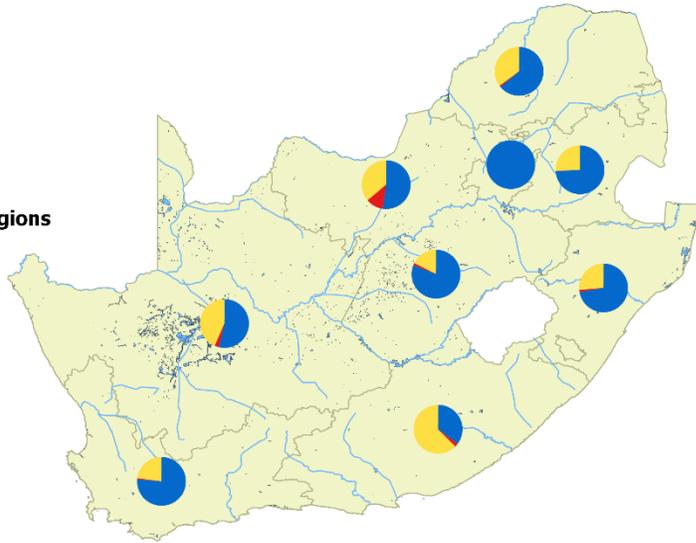
Electrification options of South African regions

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 River and Lake

0 250 500 750 1000 km



Electrification options of South African regions

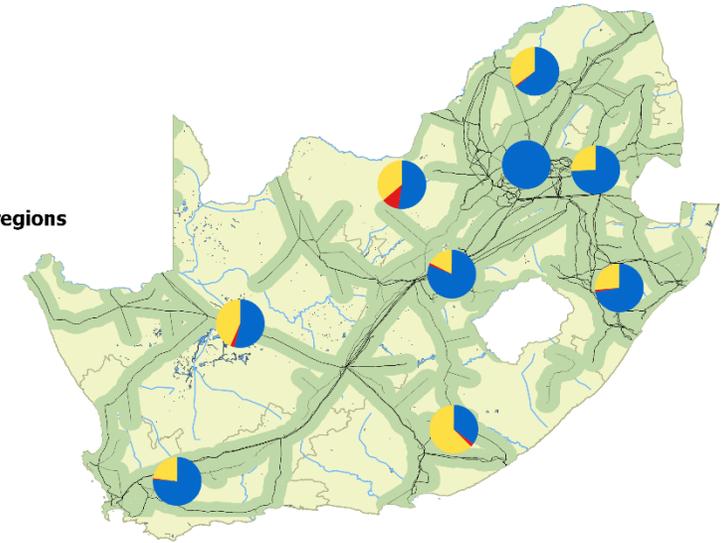
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Electrification option in all South African regions: GridPlanned-SHSDom

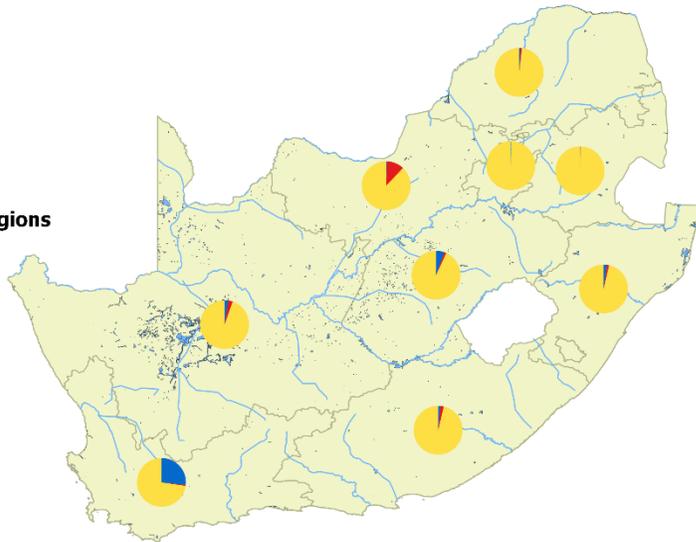
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Electrification options of South African regions

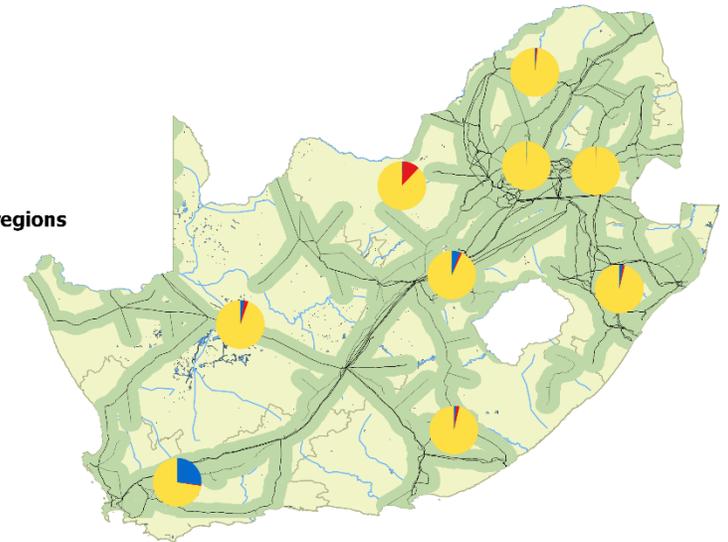
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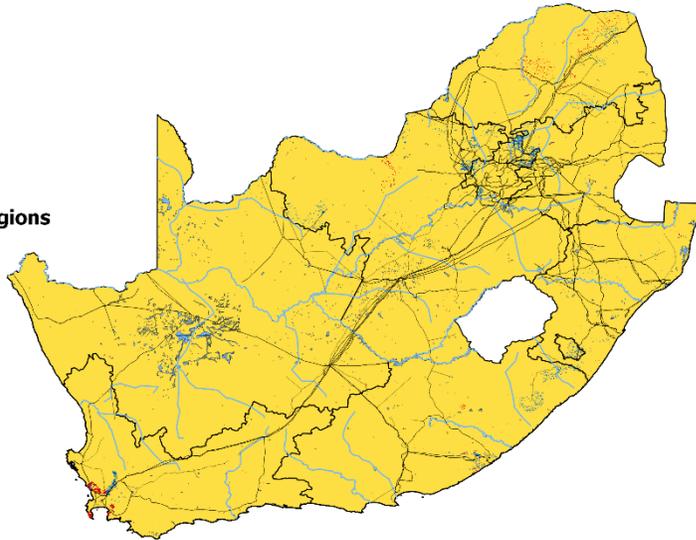
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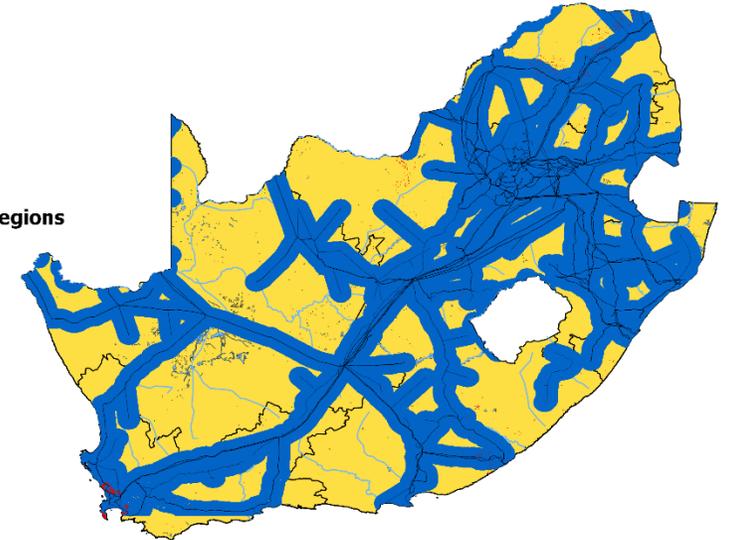
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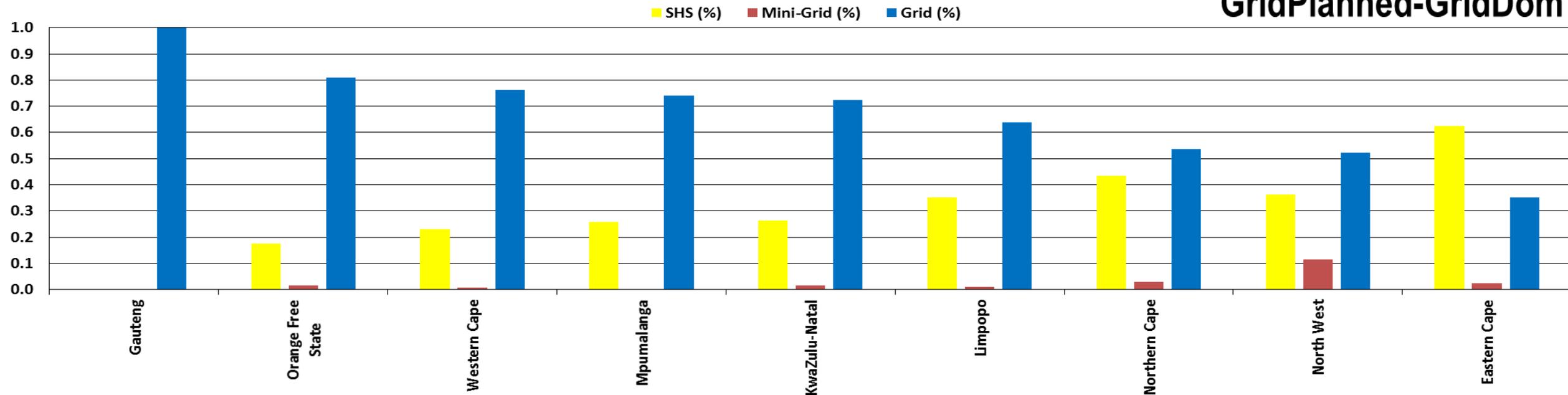
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-  River and Lake

0 250 500 750 1000 km



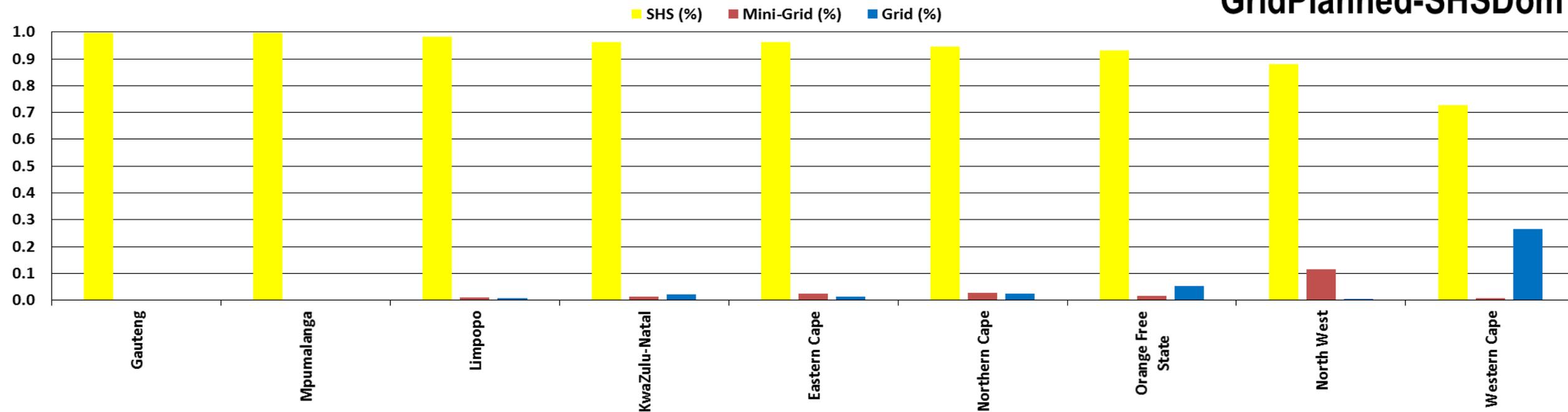
Share of electrification options in all South African regions

GridPlanned-GridDom



Share of electrification options in all South African regions

GridPlanned-SHSDom



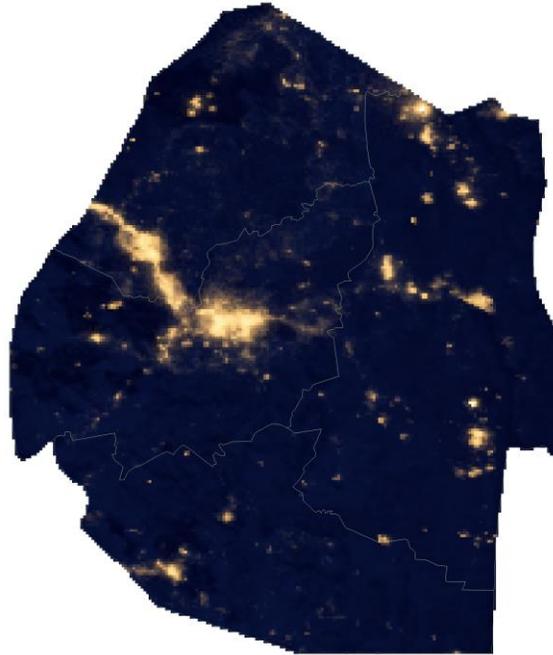
Swaziland



Night light emission and Population of Swazi regions

Night light emission in Swaziland

Detected night lights

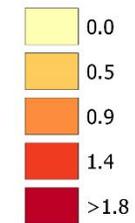


0 25 50 75 100 km

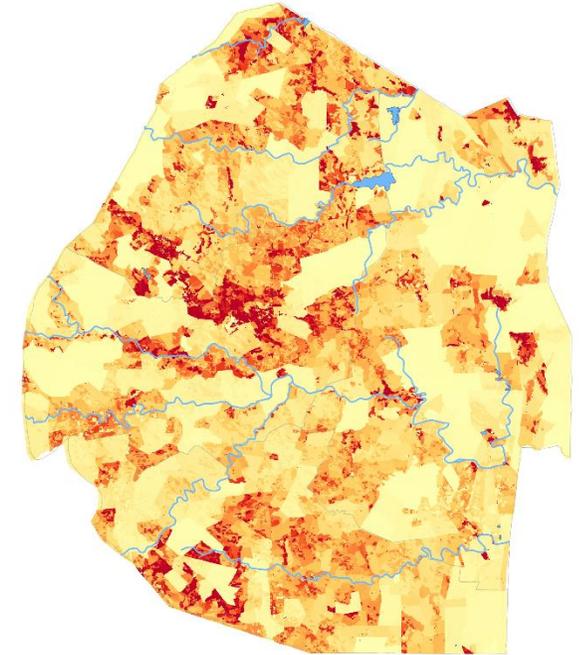


Population structure of Swaziland

Population density (people/750x750m²)



River and Lake (represented by a blue line)



0 25 50 75 100 km



Electrification option in all Swazi regions: GridBuilt-GridDom

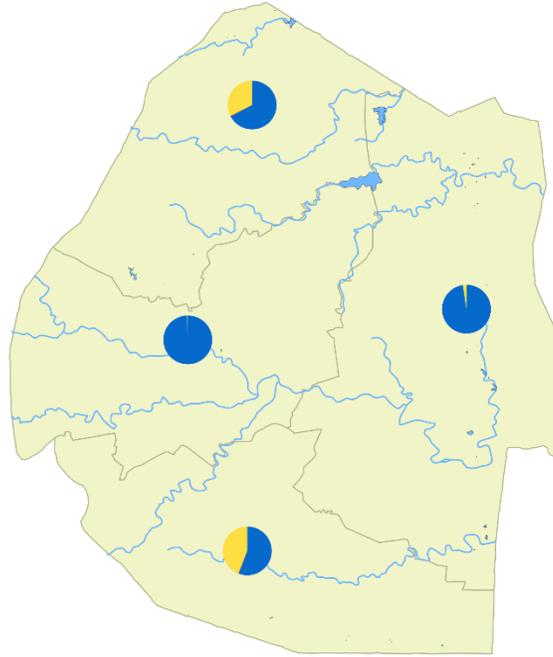
Electrification options of Swazi regions

Electrification option

-  Solar Home System
-  Mini-Grid
-  Grid Extension

 River and Lake

0 25 50 75 100 km



Electrification options of Swazi regions

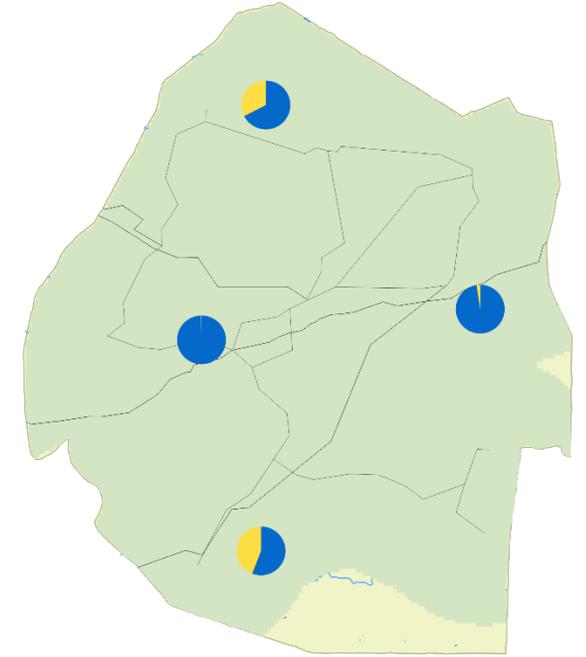
Electrification option

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Grid Buffer (diameter)

-  50 km
-  Power Grid
-  River and Lake

0 25 50 75 100 km



Electrification option in all Swazi regions: GridBuilt-SHSDom

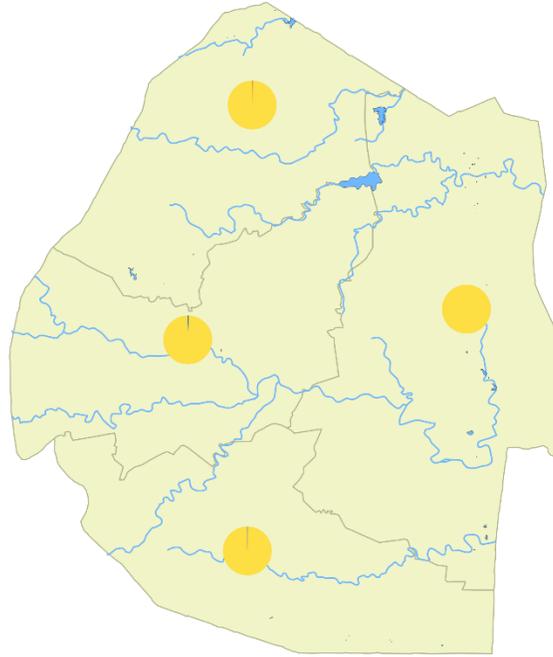
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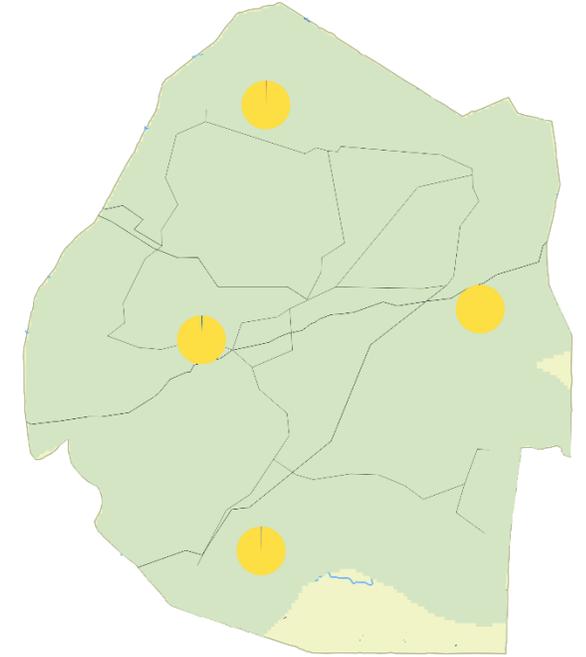
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Electrification options of Swazi regions

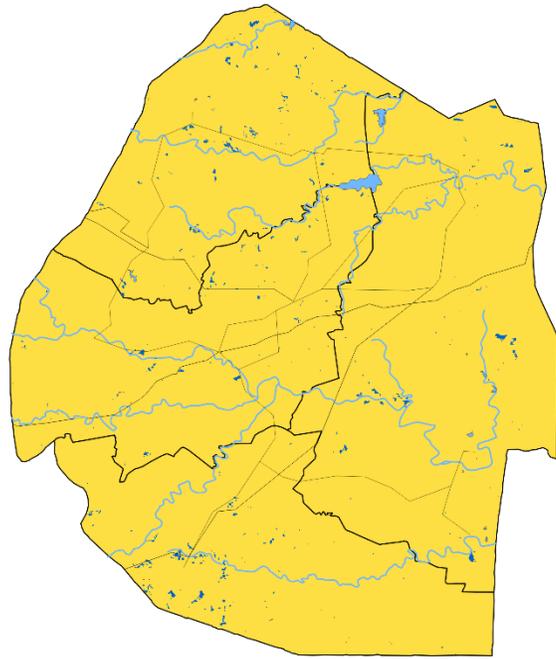
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Electrification options of Swazi regions

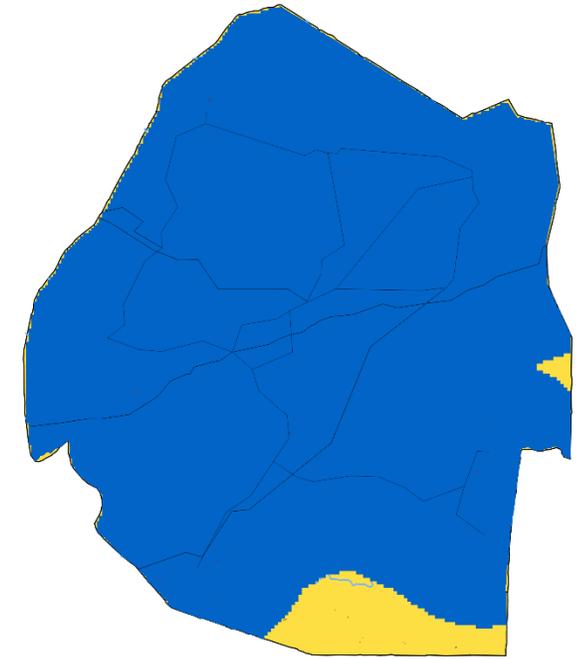
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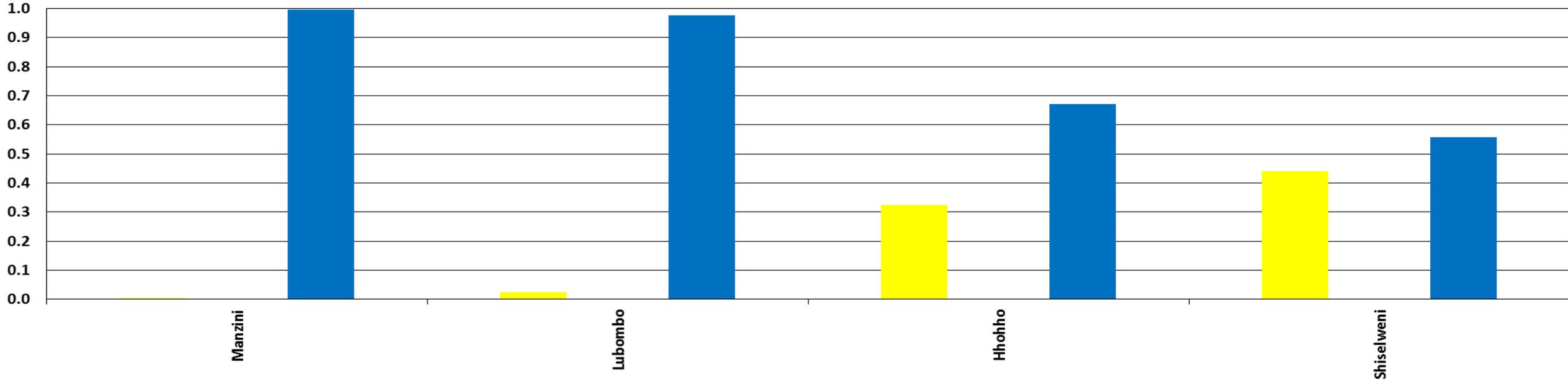
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Share of electrification options in all Swazi regions

SHS (%) Mini-Grid (%) Grid (%)

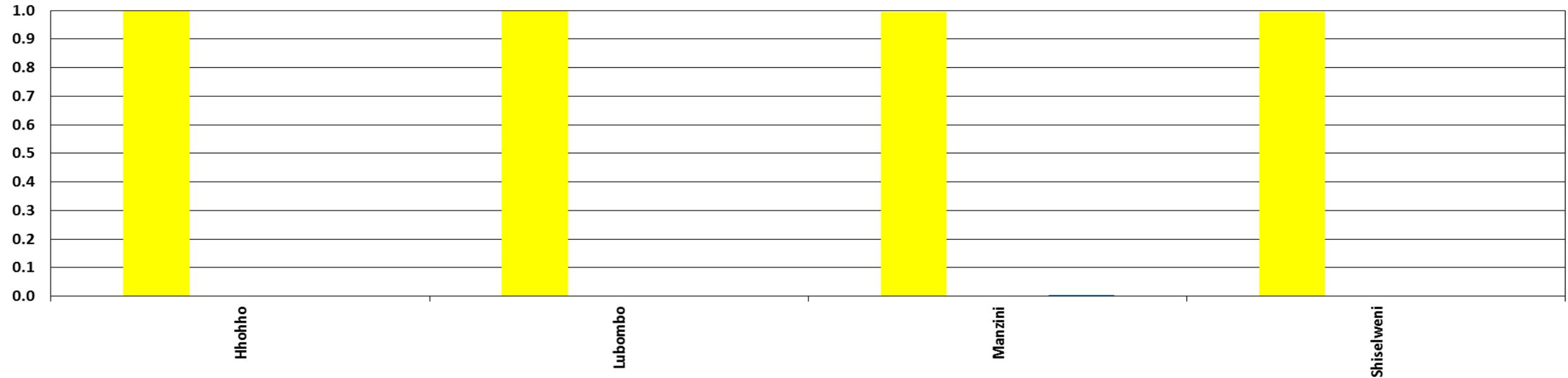
GridBuilt-GridDom



Share of electrification options in all Swazi regions

SHS (%) Mini-Grid (%) Grid (%)

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Electrification option in all Swazi regions: GridPlanned-GridDom

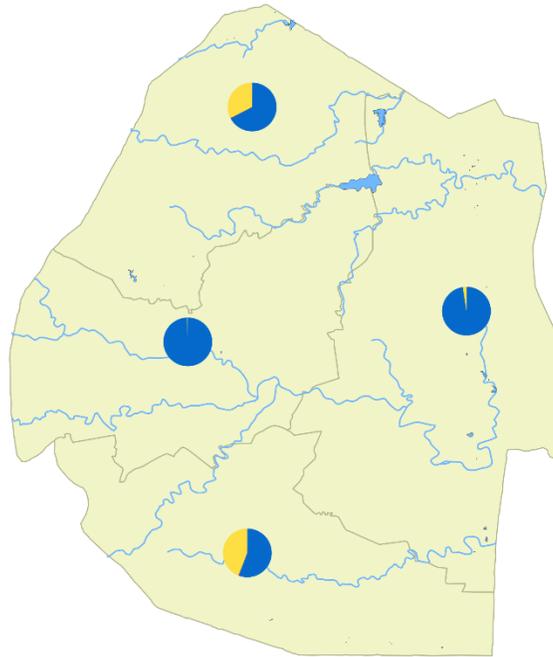
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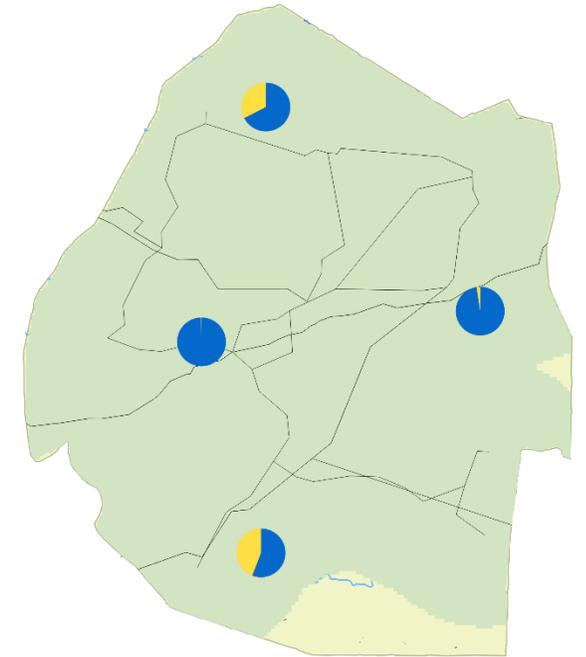
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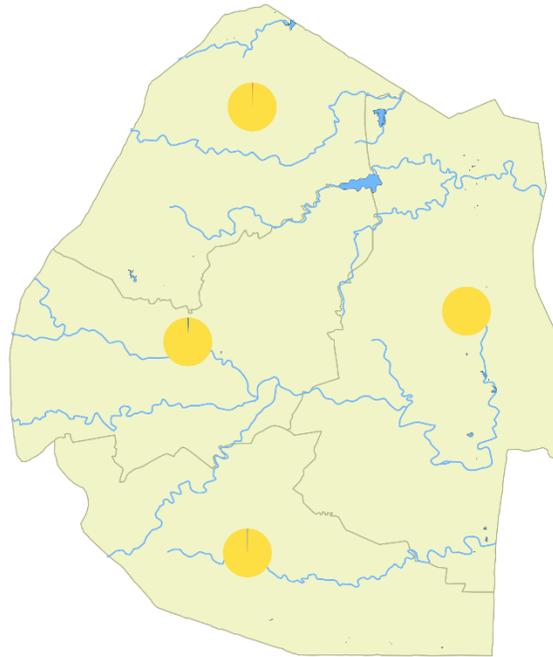
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Electrification options of Swazi regions

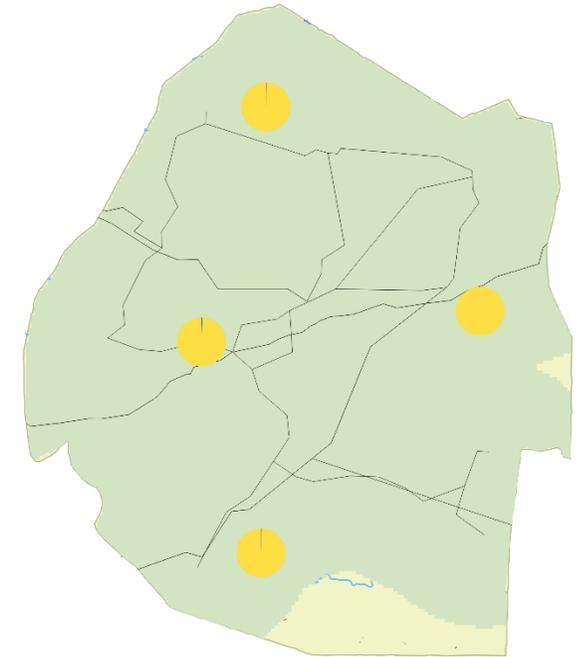
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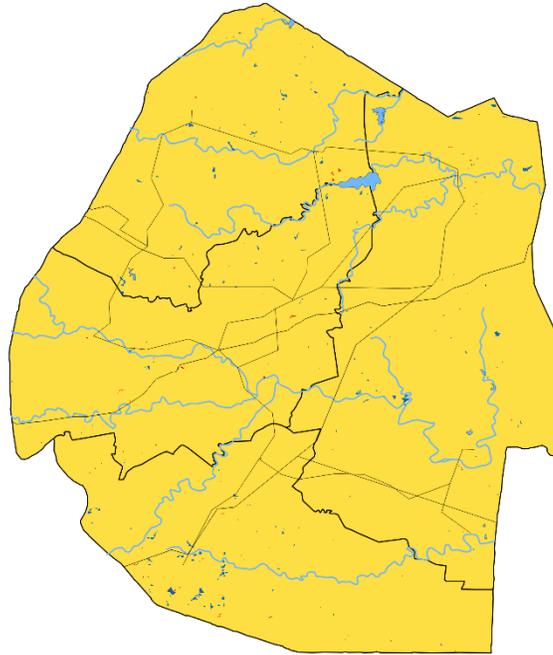
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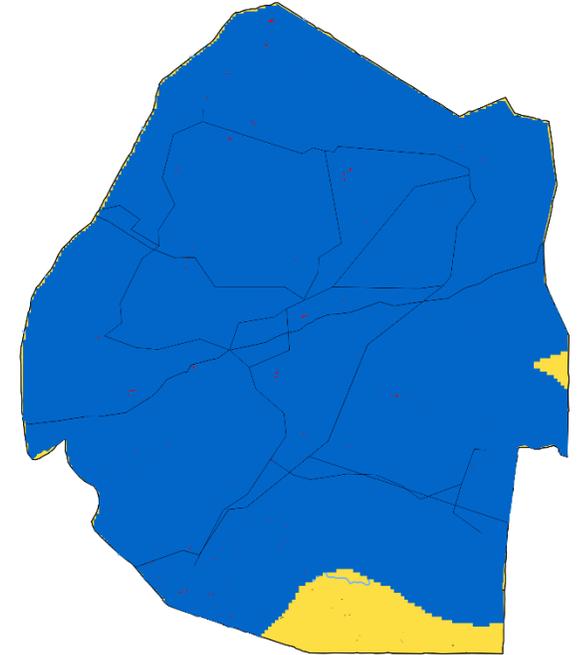
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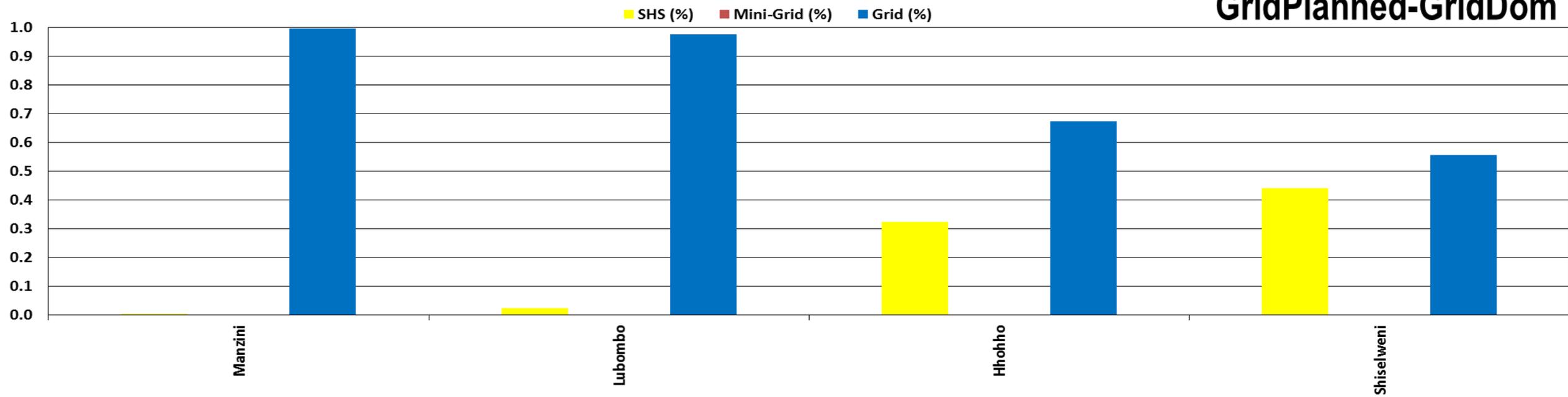
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GridPlanned-GridDom



Share of electrification options in all Swazi regions

GridPlanned-SHSDom

