West Africa

Benin

Night light emission and Population of Beninese regions

Night light emission in Benin

Detected night lights

yes

no

0 75 150 225 300 km

Population structure of Benin

Population density (people/750x750m²)

0.0

0.5

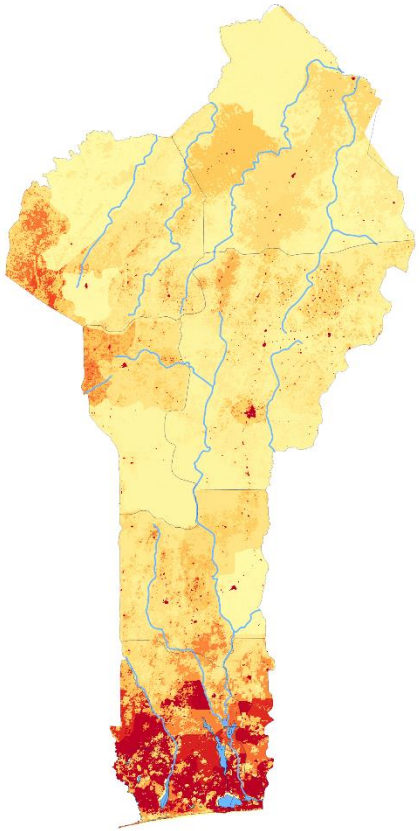
1.0

1.5

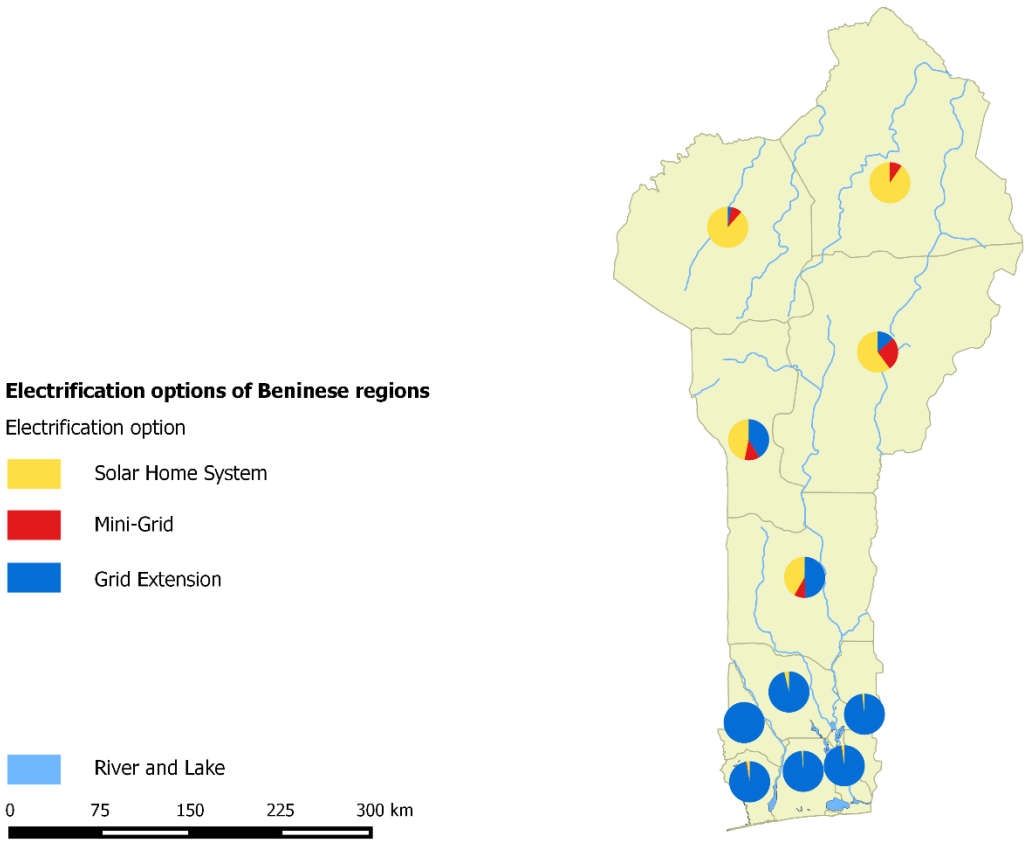
>2.0

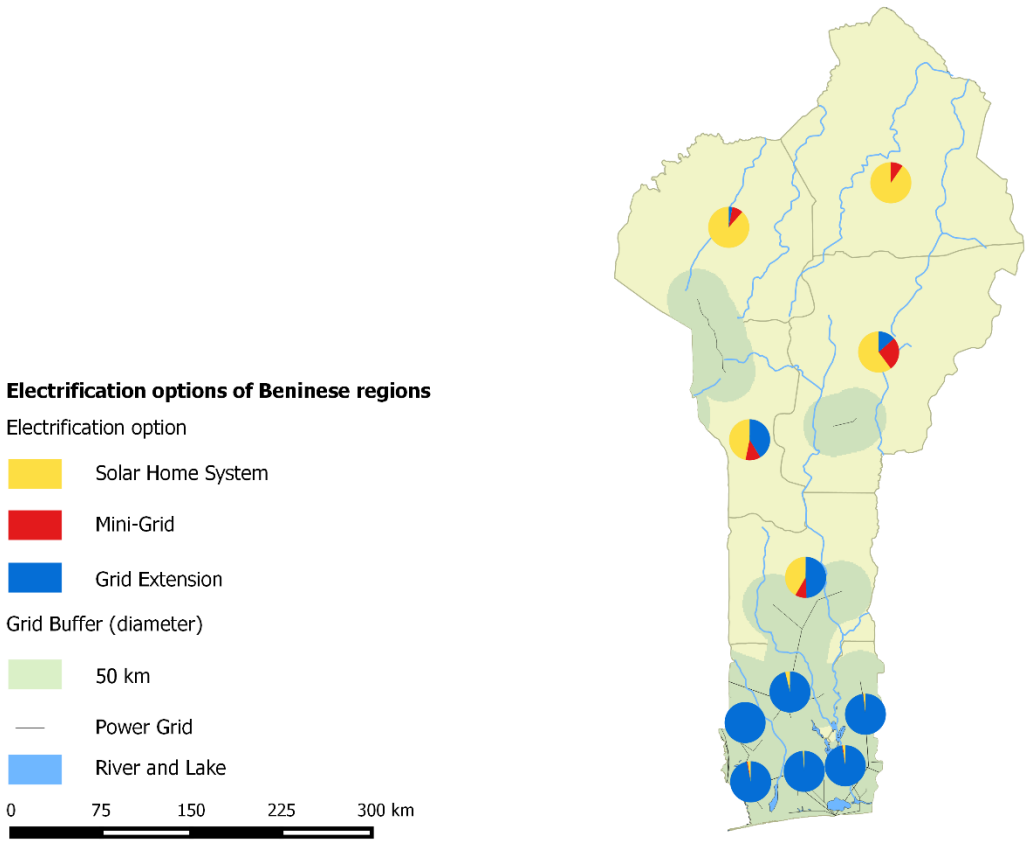
River and Lake

0 75 150 225 300 km

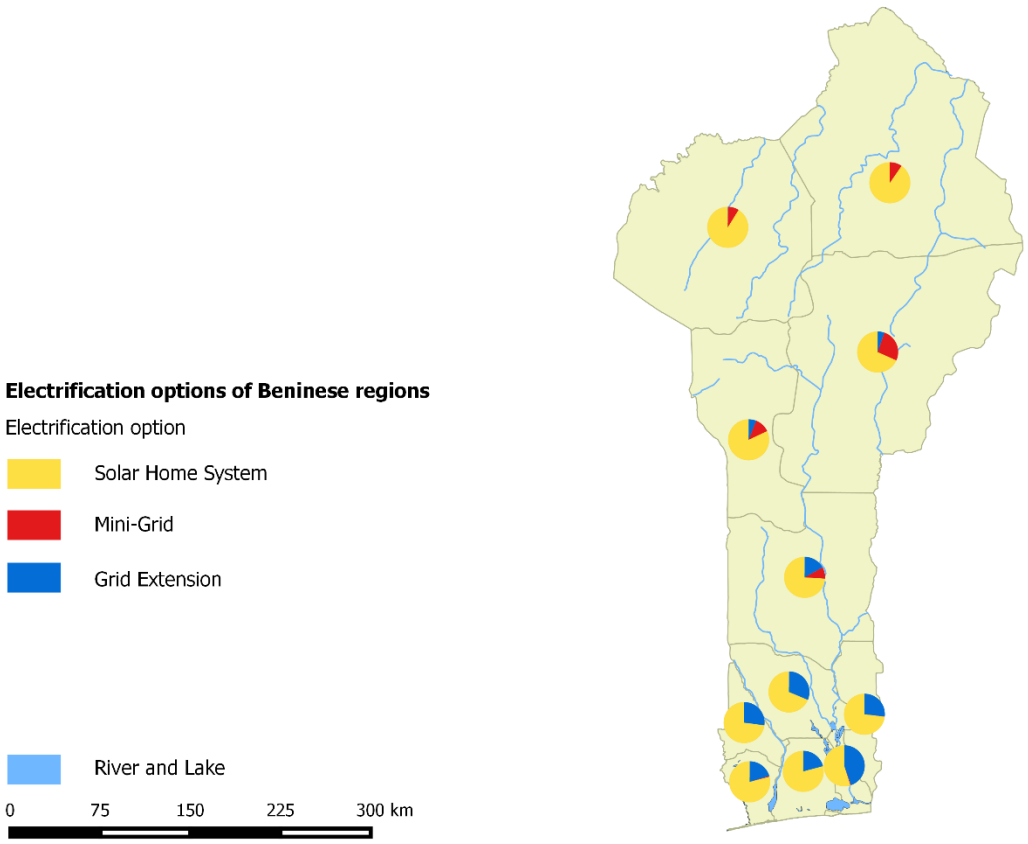


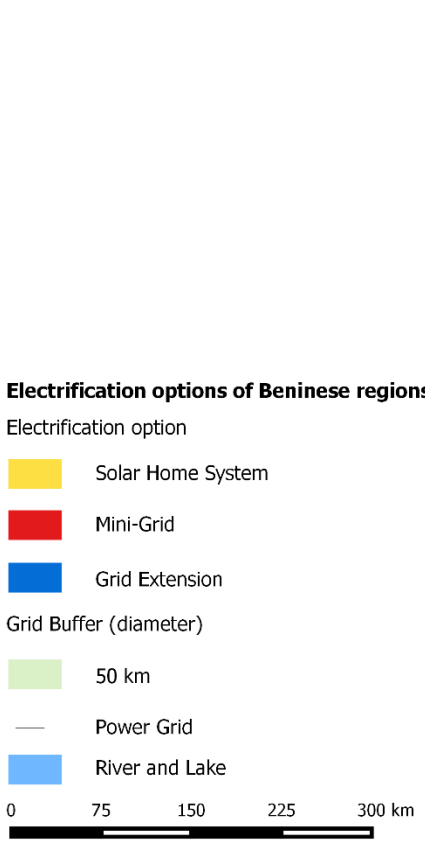
Electrification option in all Beninese regions: GridBuilt-GridDom

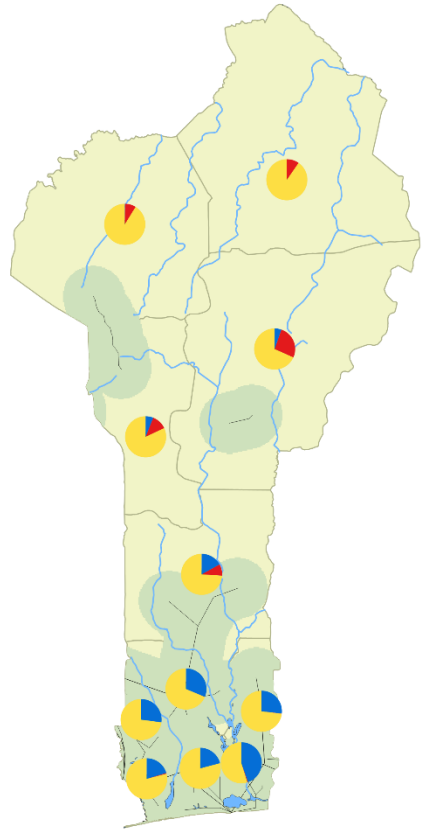




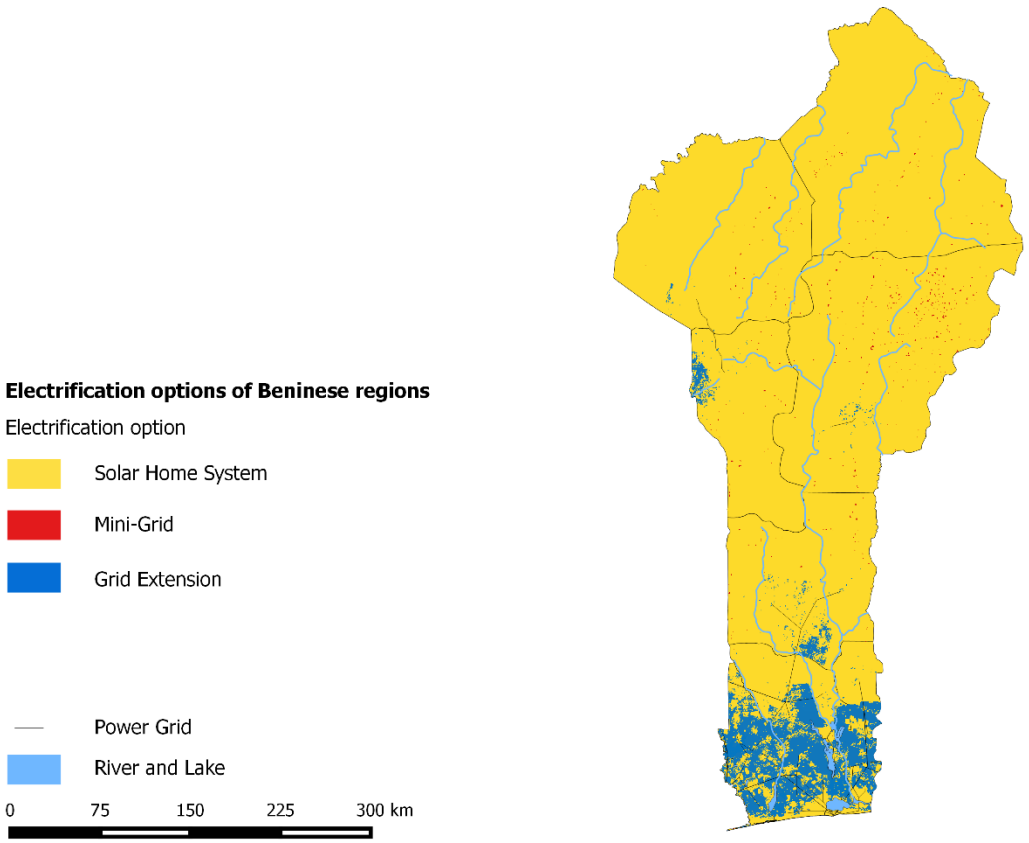
Electrification option in all Beninese regions: GridBuilt-SHSDom



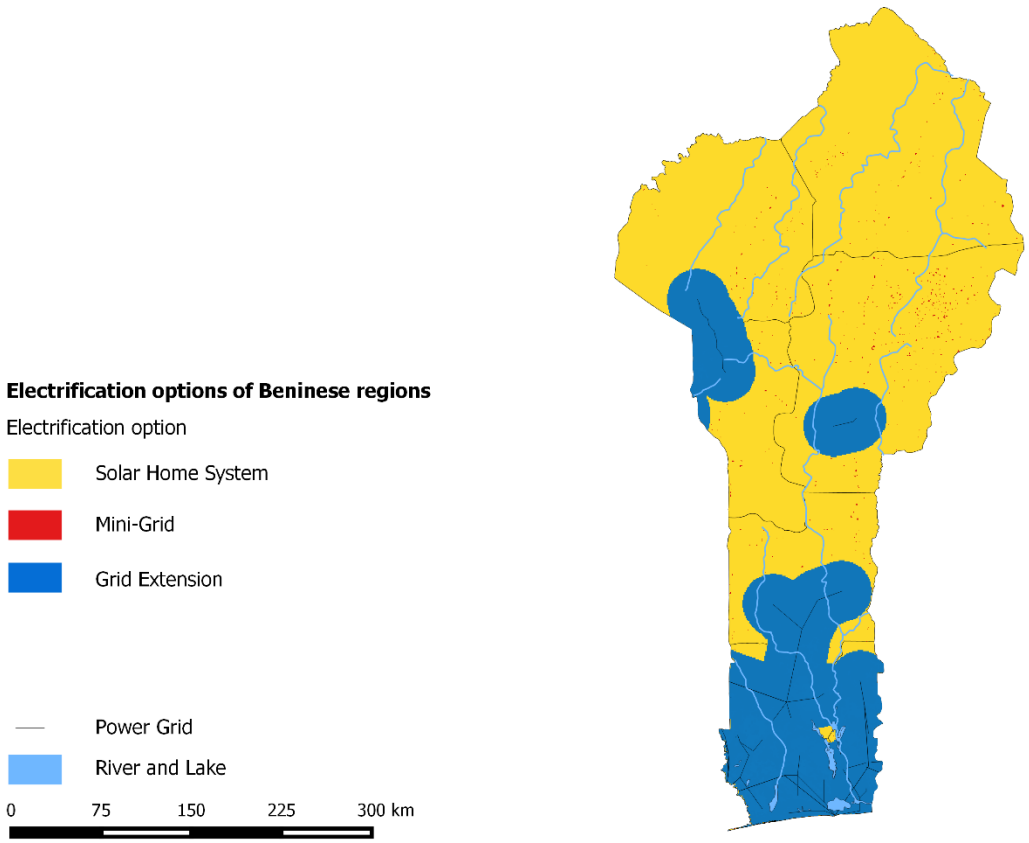




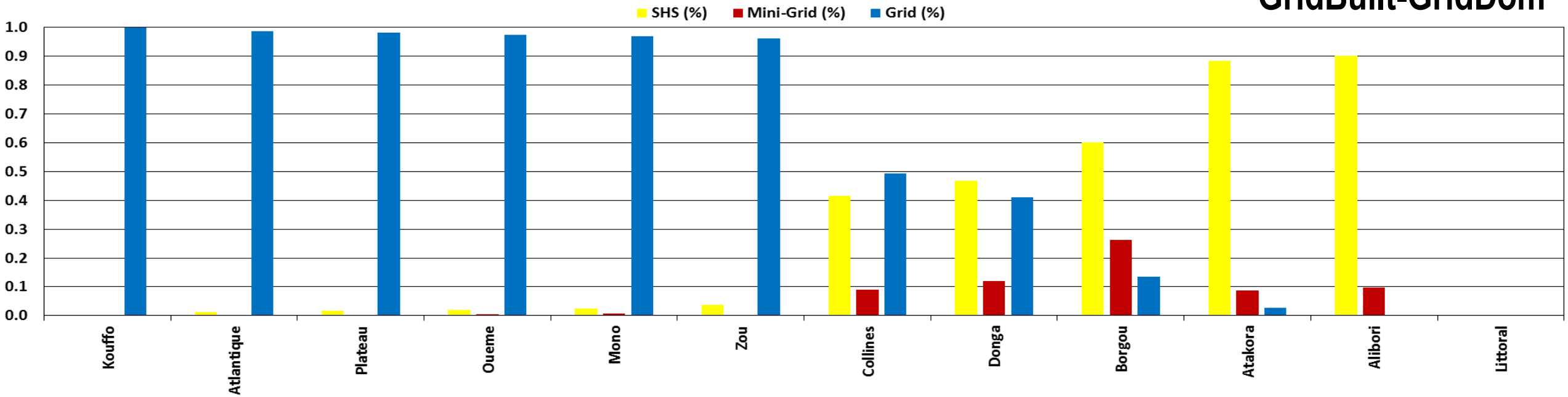
Electrification option: GridBuilt-SHSDom



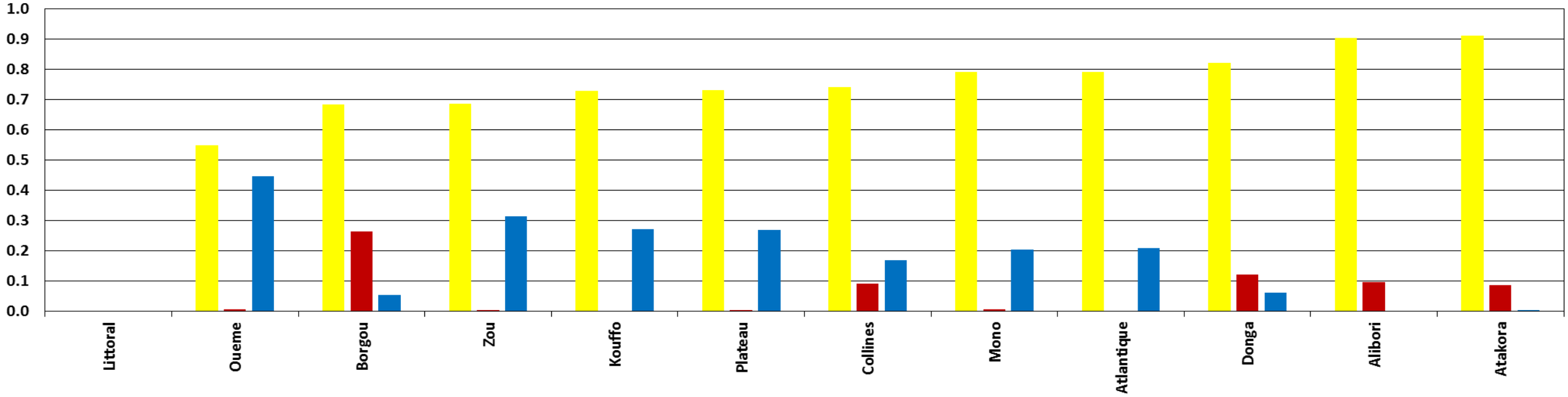
Electrification option: GridBuilt-GridDom



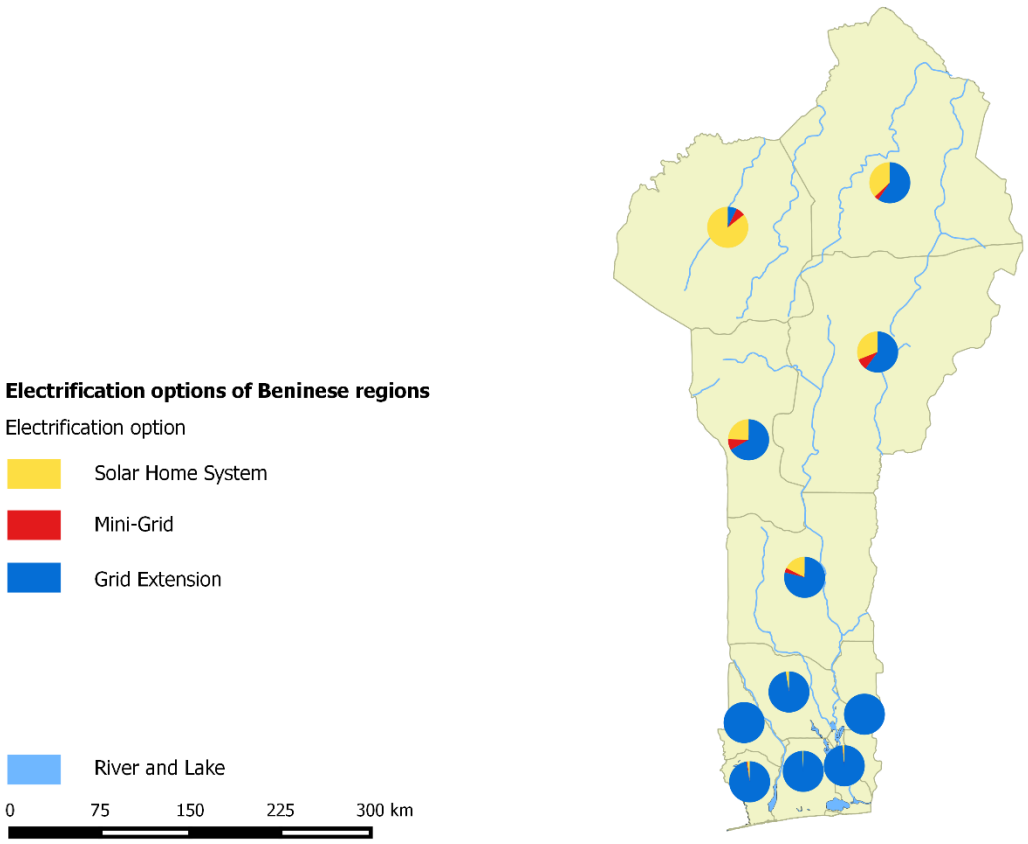
GridBuilt-GridDom

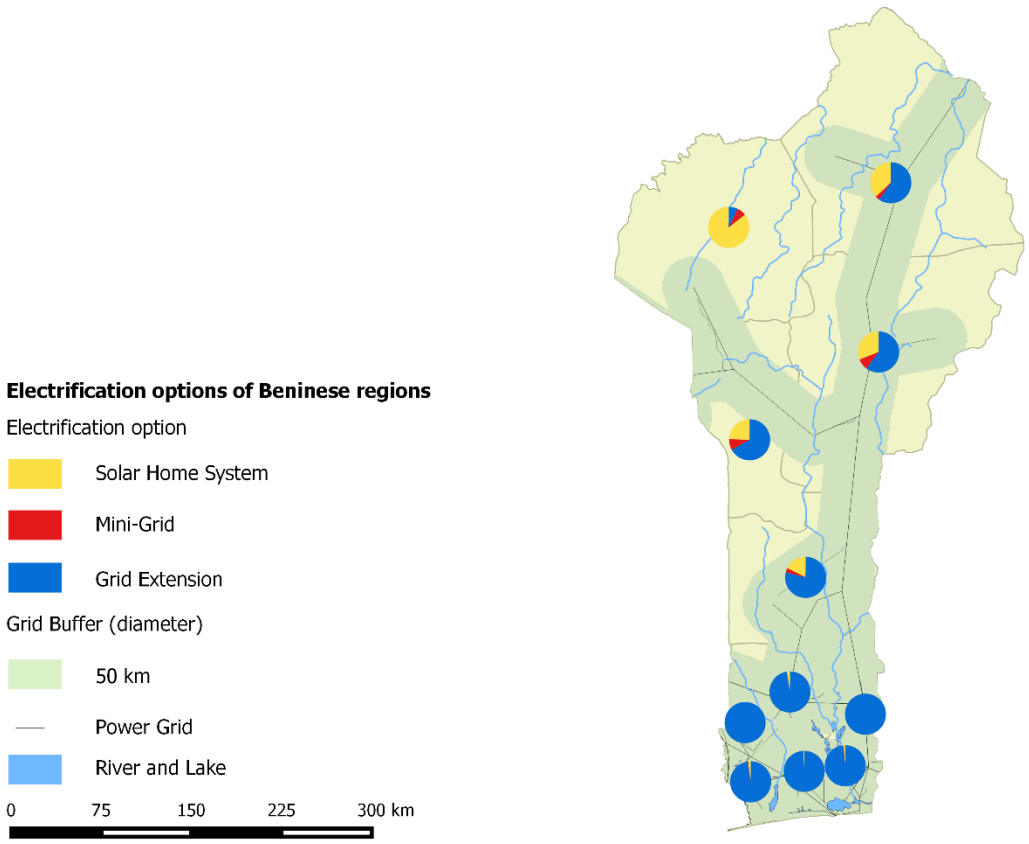


GridBuilt-SHSDom

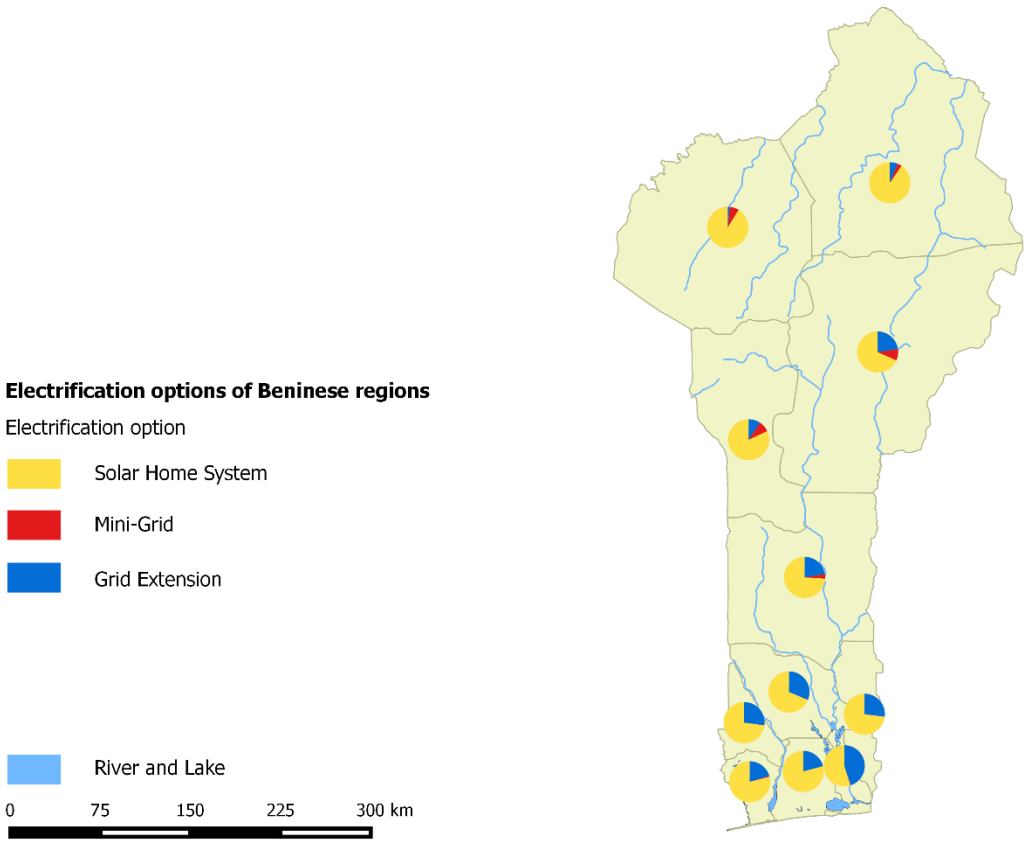


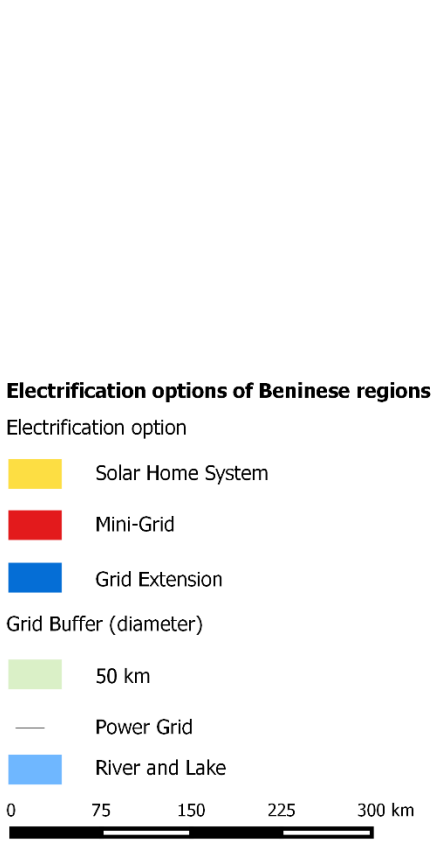
Electrification option in all Beninese regions: GridPlanned-GridDom

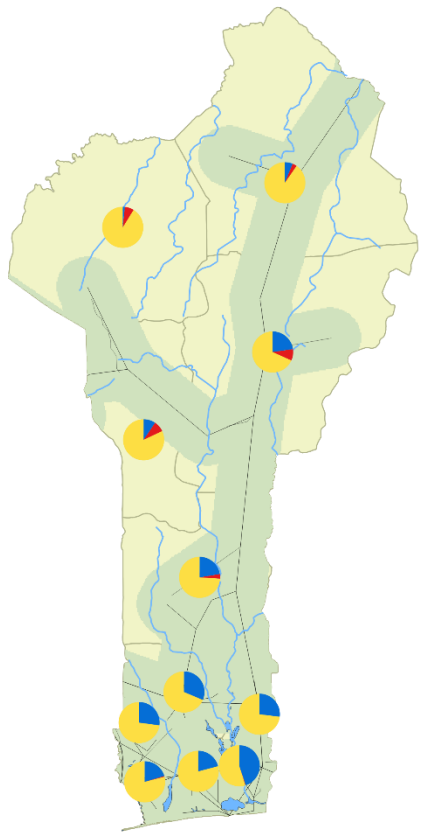




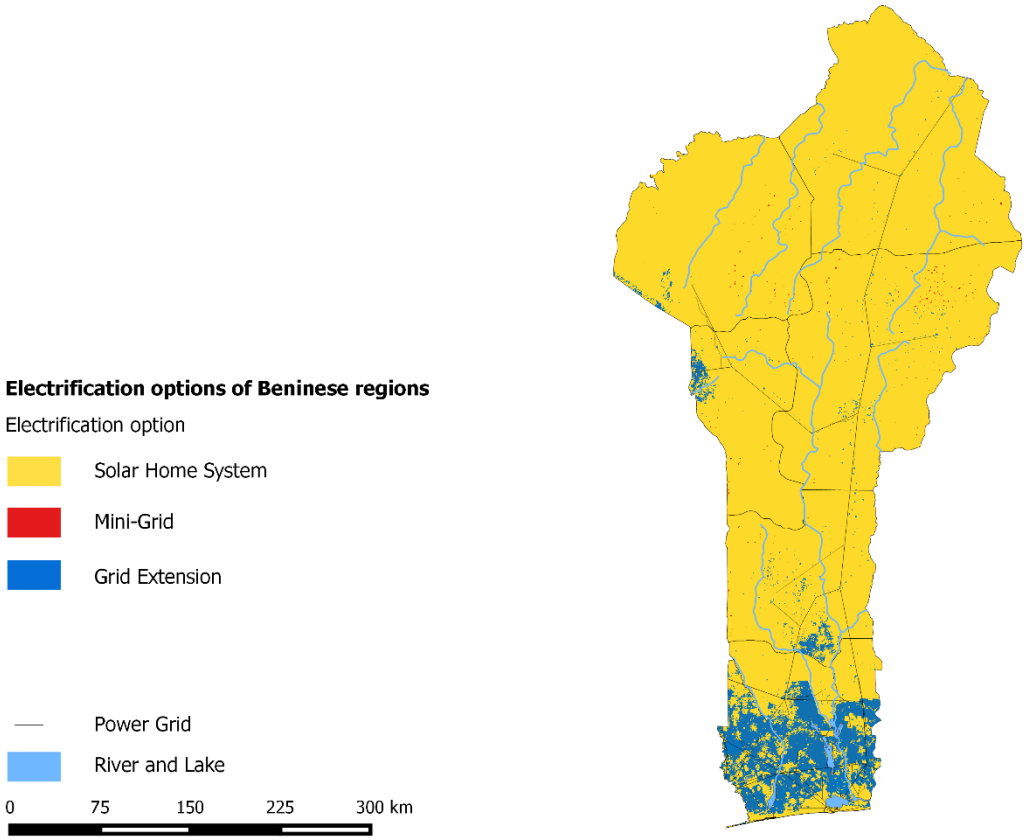
Electrification option in all Beninese regions: GridPlanned-SHSDom



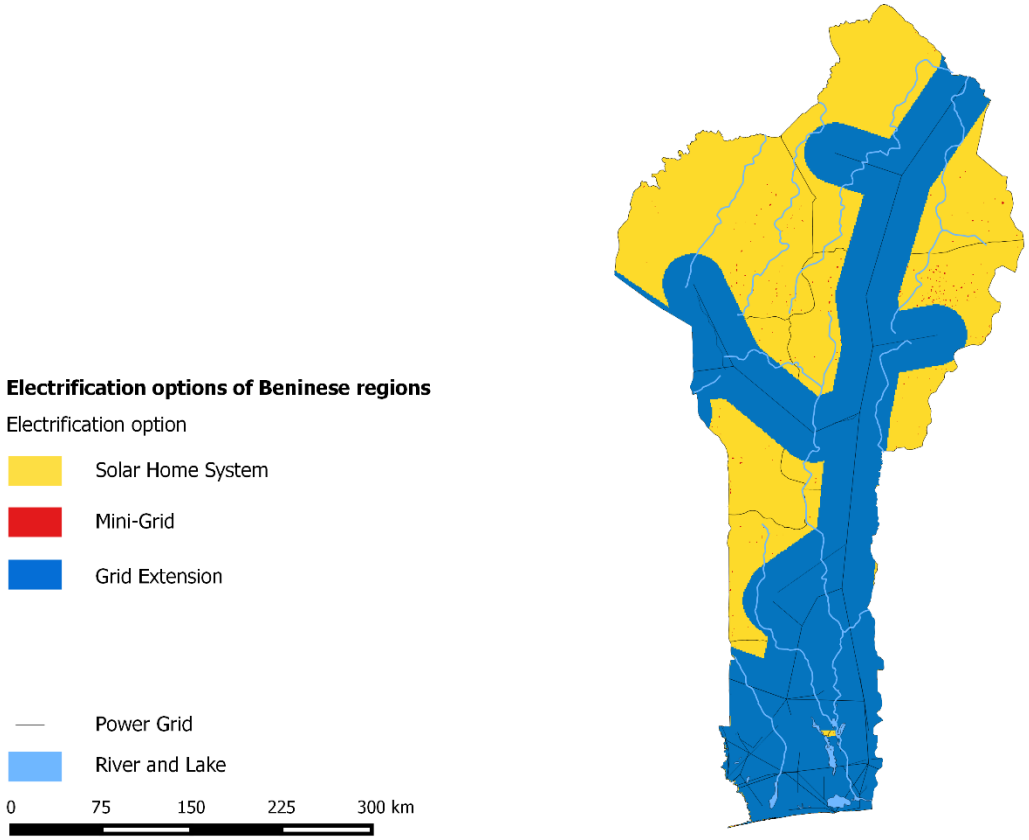




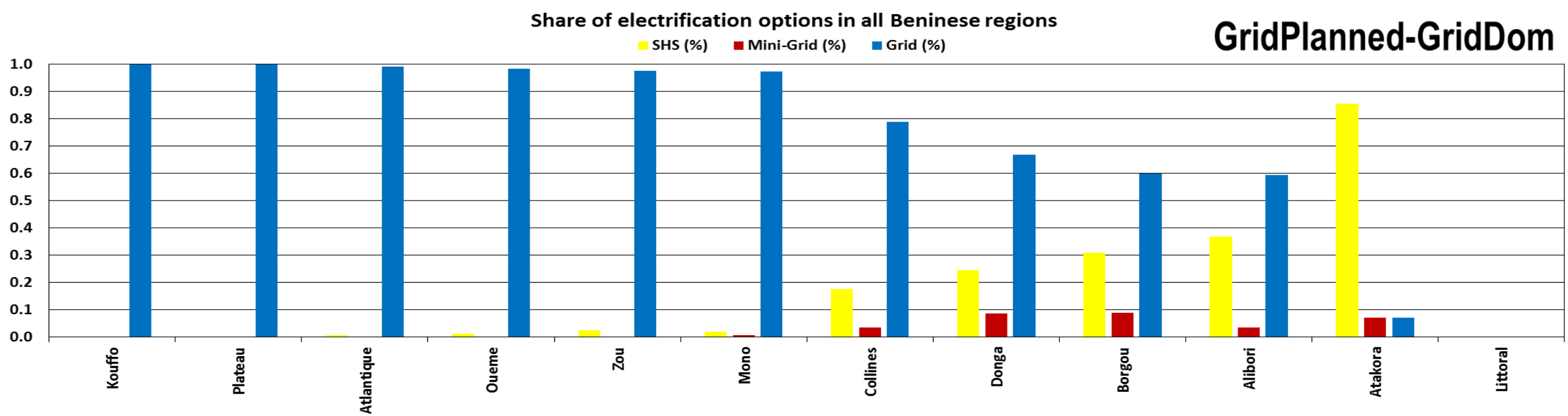
Electrification option: GridPlanned-SHSDom



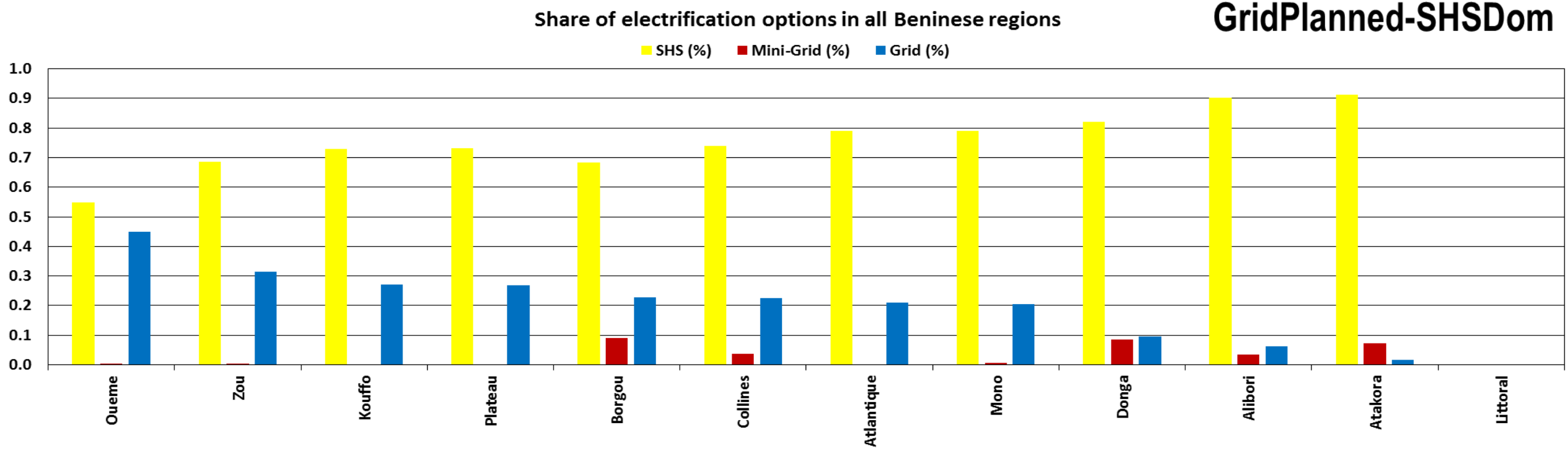
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom



GridPlanned-SHSDom



Burkina Faso

Night light emission and Population of Burkinabé regions

Night light emission in Burkina Faso

Detected night lights

yes

no

0 100 200 300 400 km

Population structure of Burkina Faso

Population Density (people/750x750m^2)

0.0

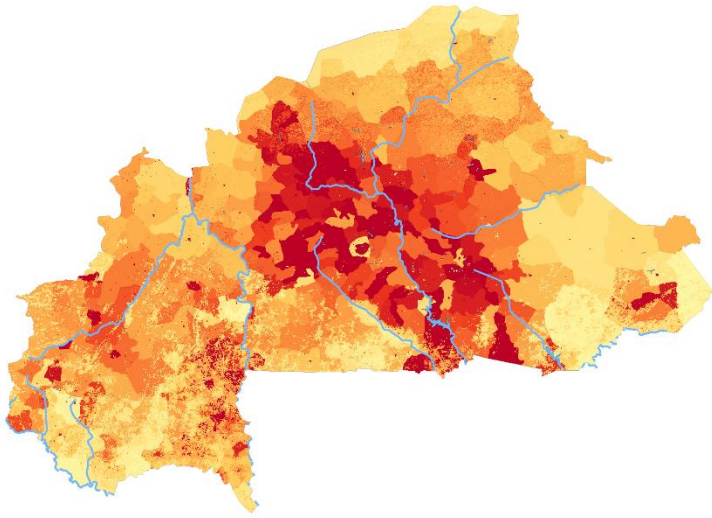
0.2

0.4

0.6

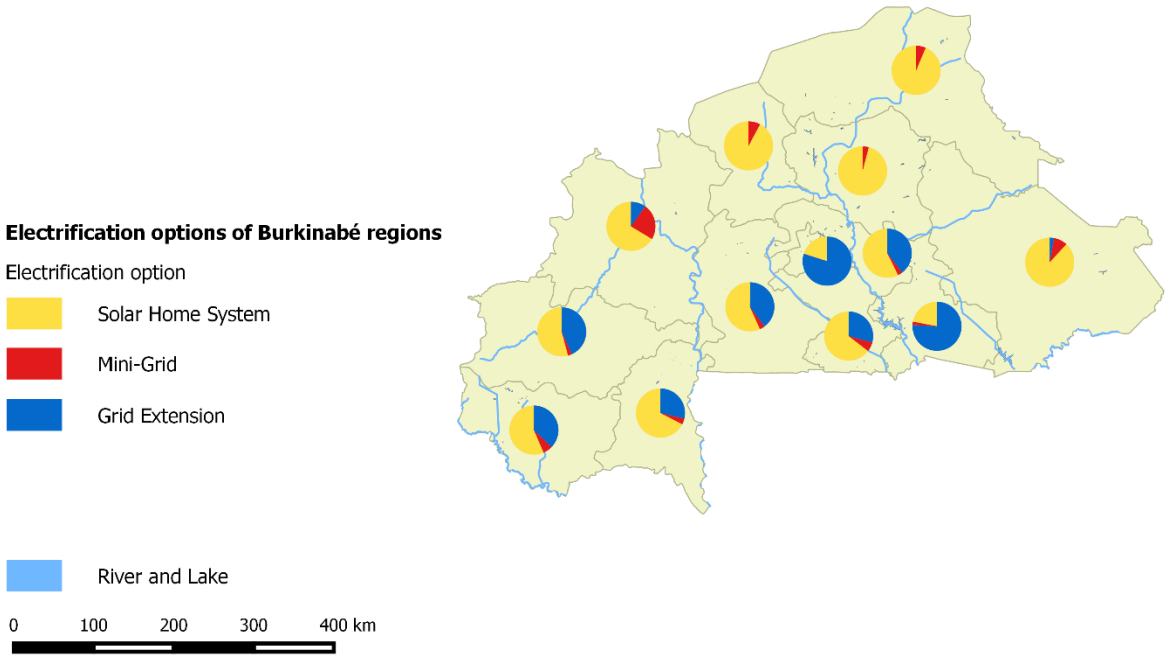
>0.8

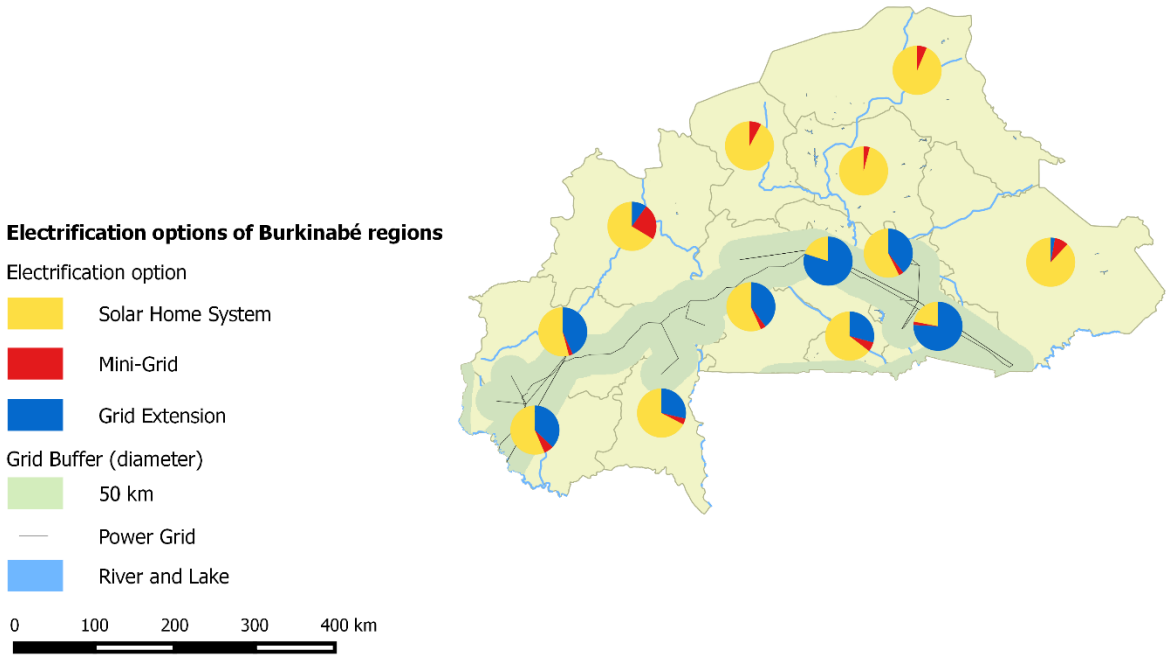
River and Lake



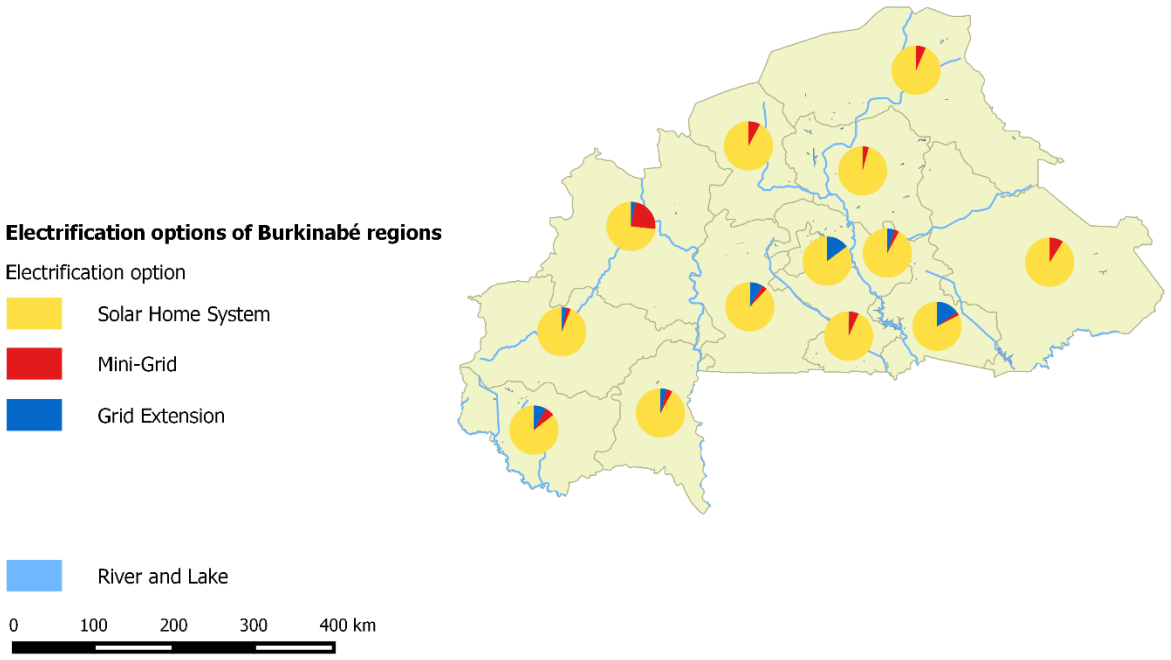
0 100 200 300 400 km

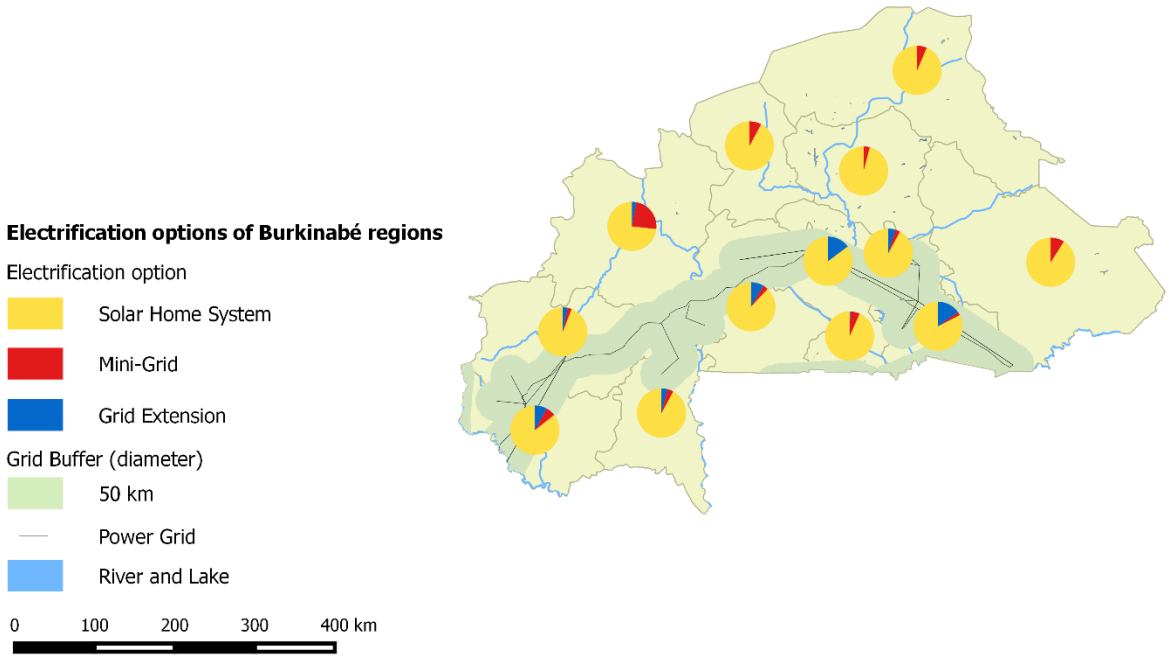
Electrification option in all Burkinabé regions: GridBuilt-GridDom



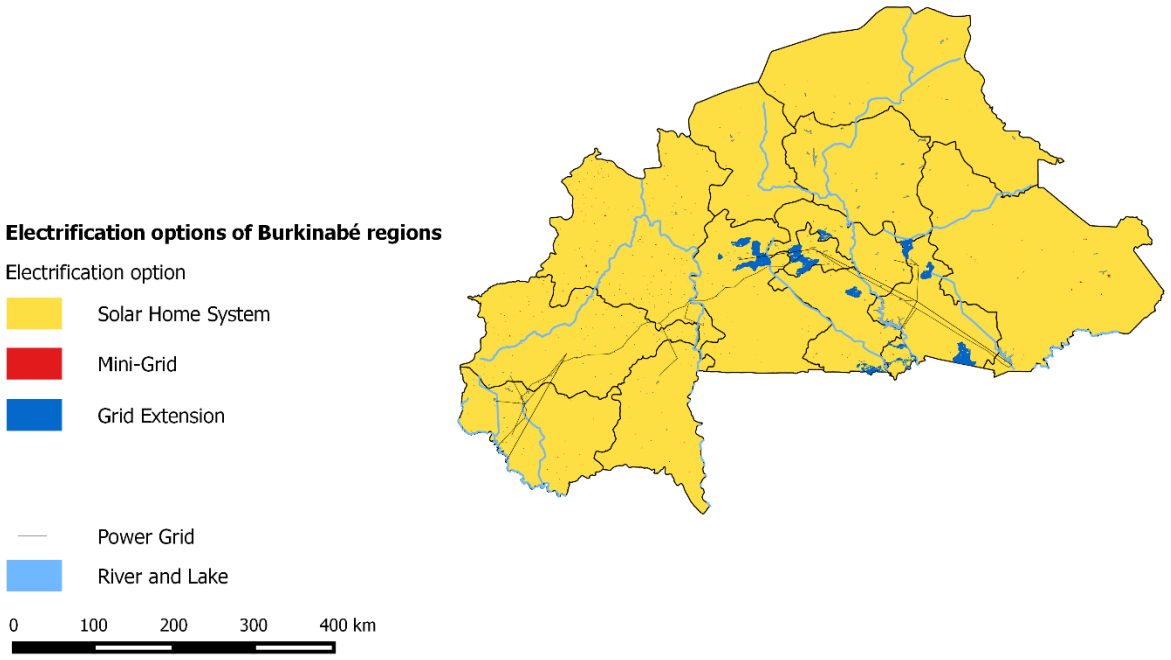


Electrification option in all Burkinabé regions: GridBuilt-SHSDom

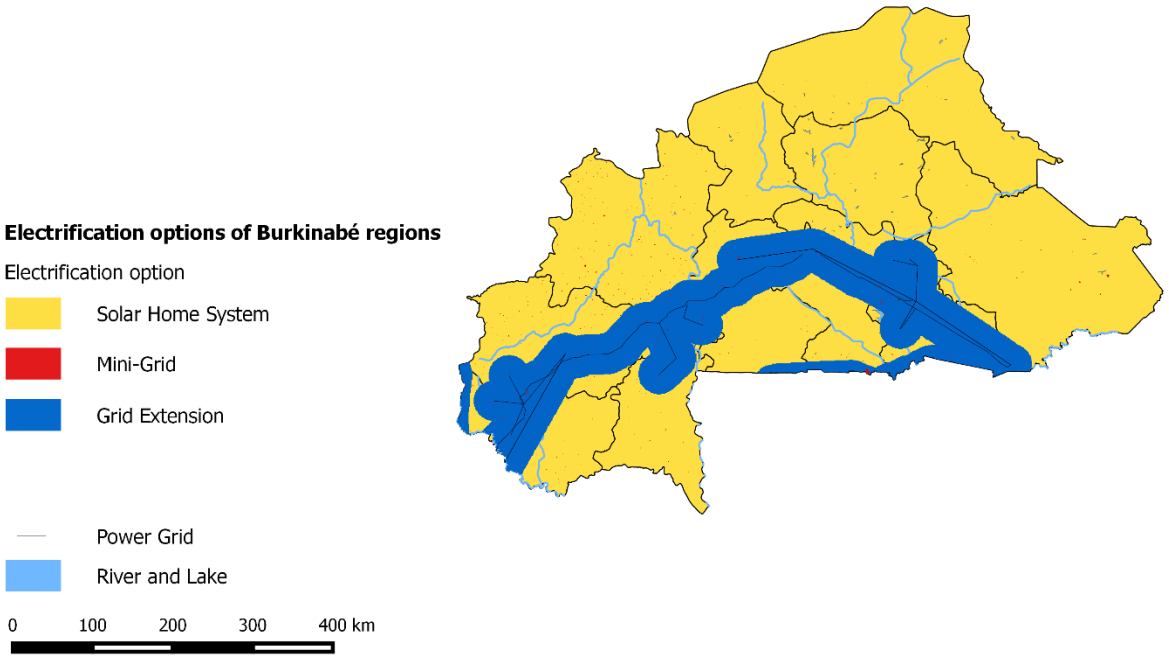




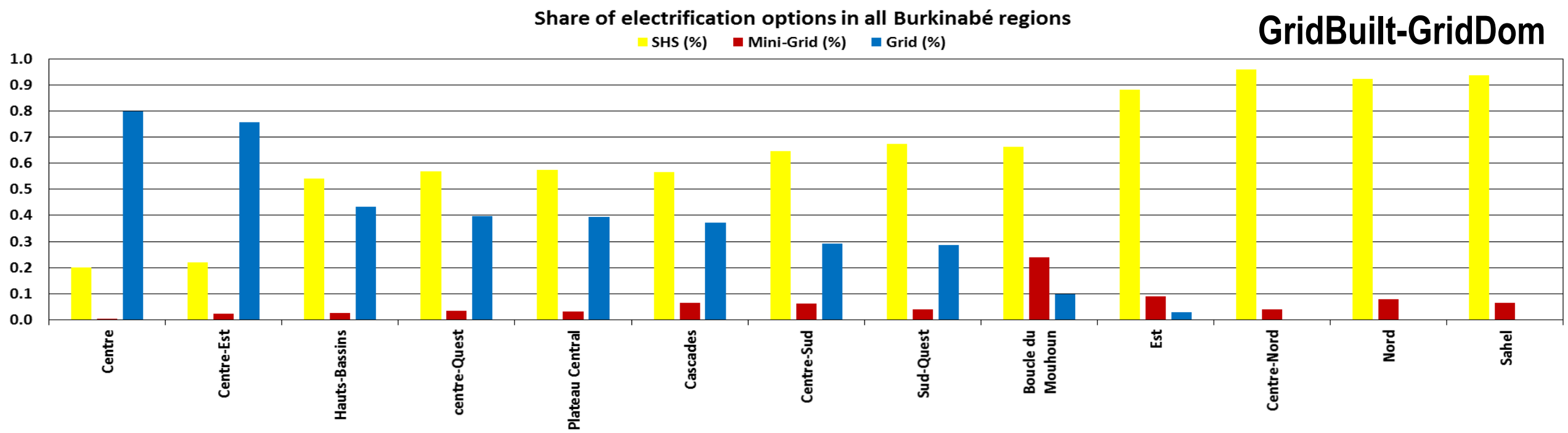
Electrification option: GridBuilt-SHSDom



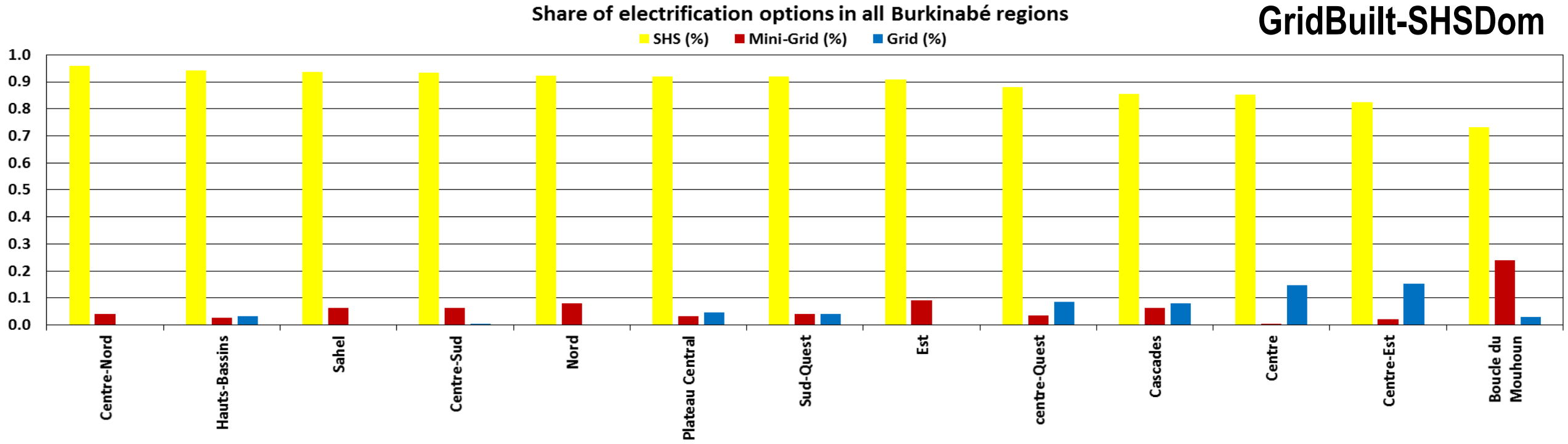
Electrification option: GridBuilt-GridDom



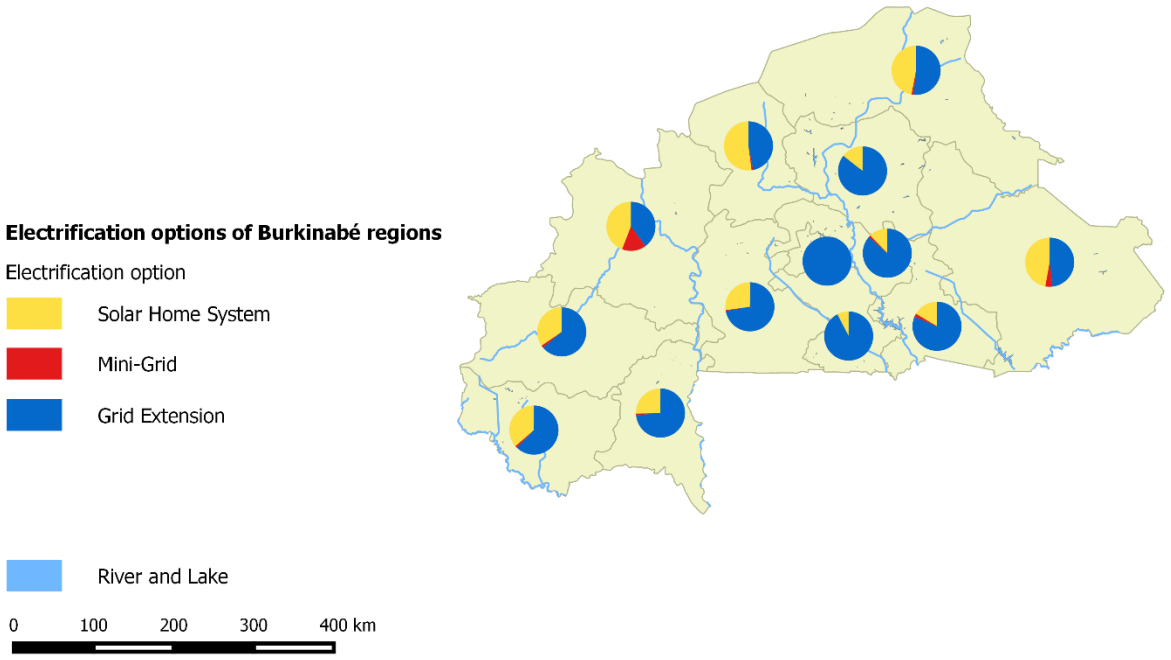
GridBuilt-GridDom

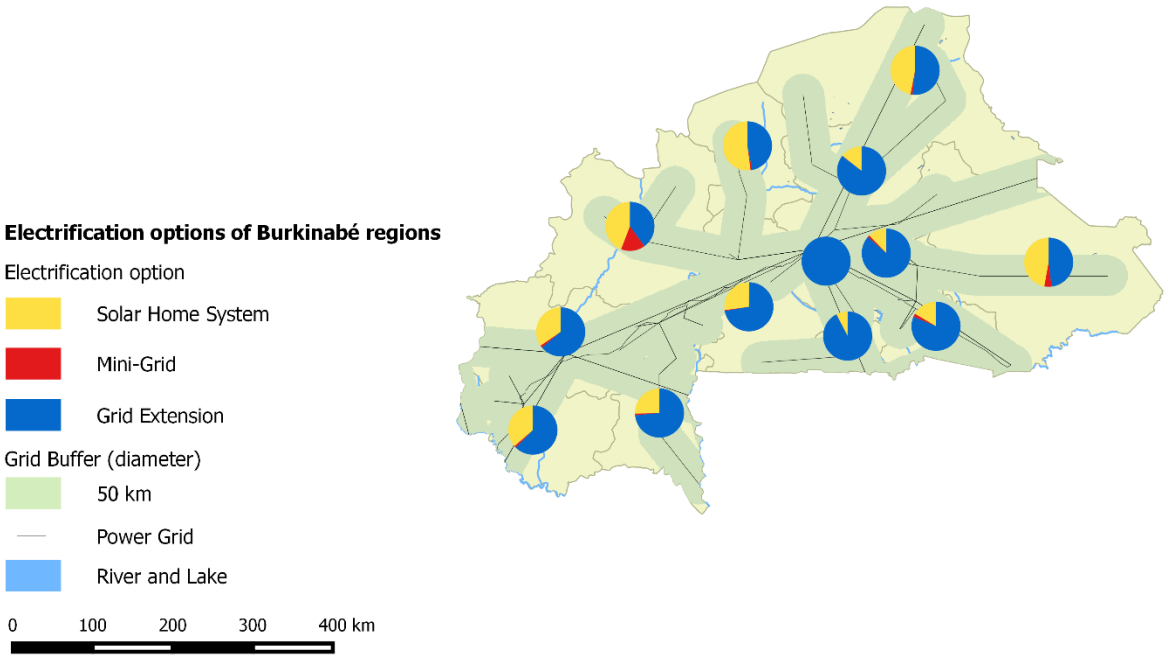


GridBuilt-SHSDom

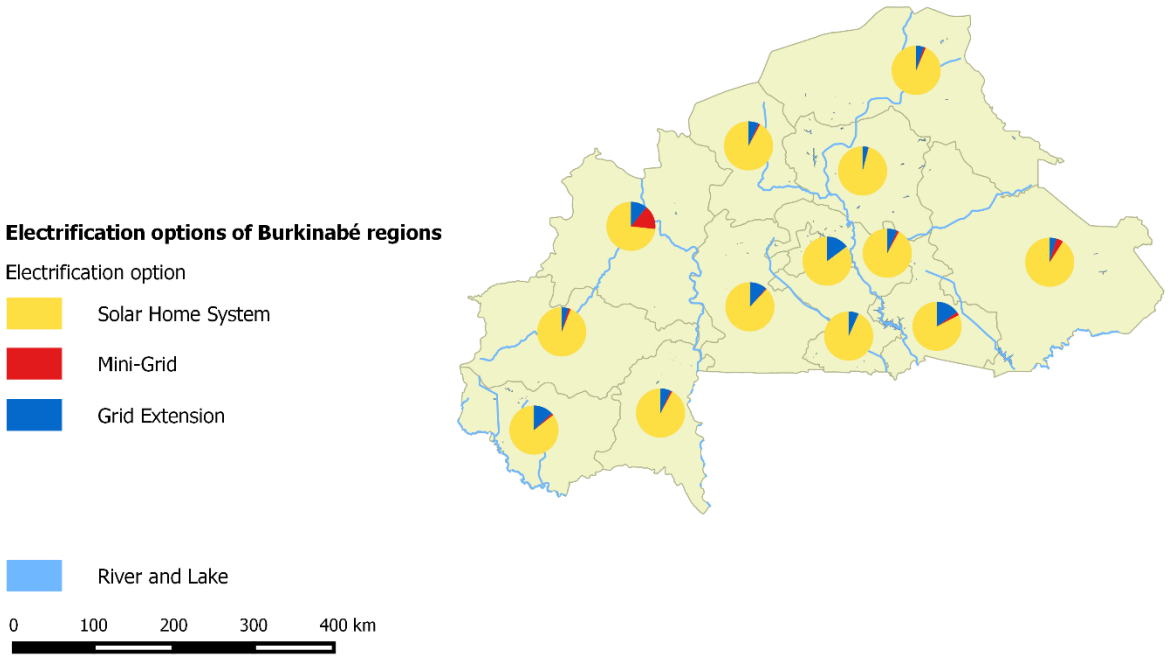


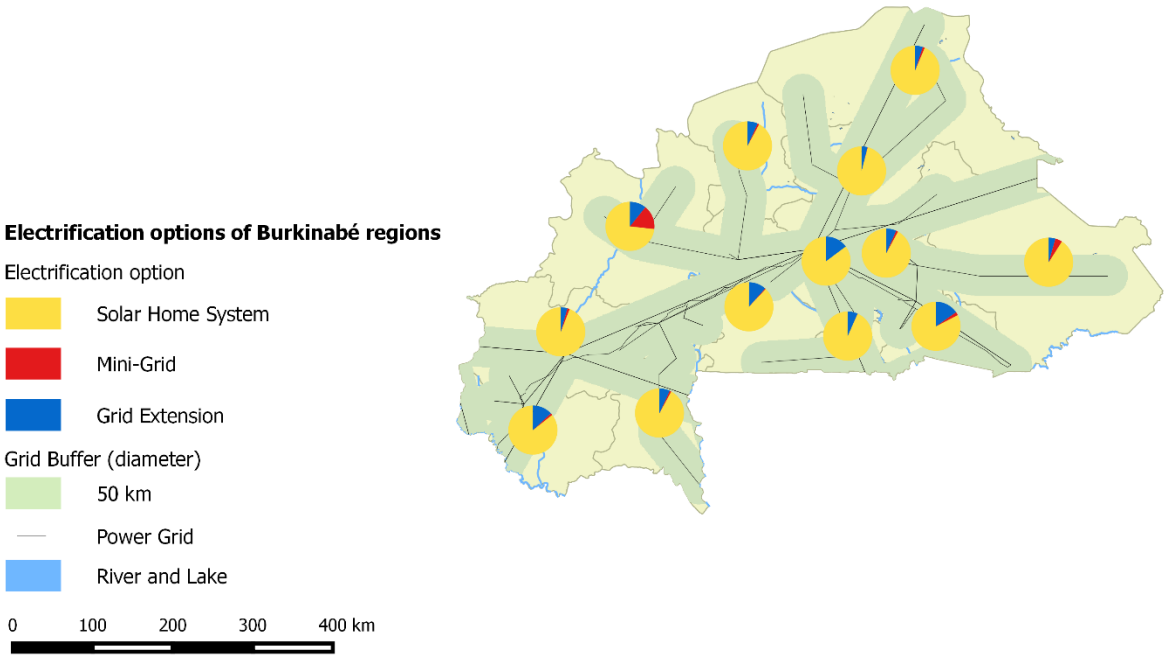
Electrification option in all Burkinabé regions: GridPlanned-GridDom



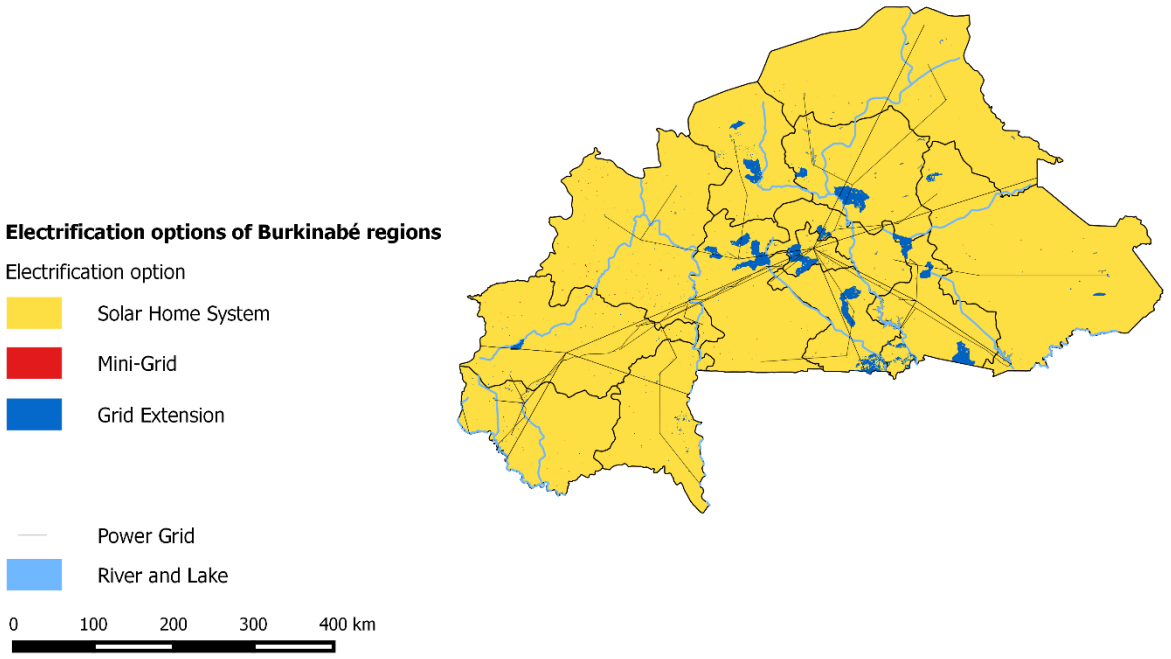


Electrification option in all Burkinabé regions: GridPlanned-SHSDom

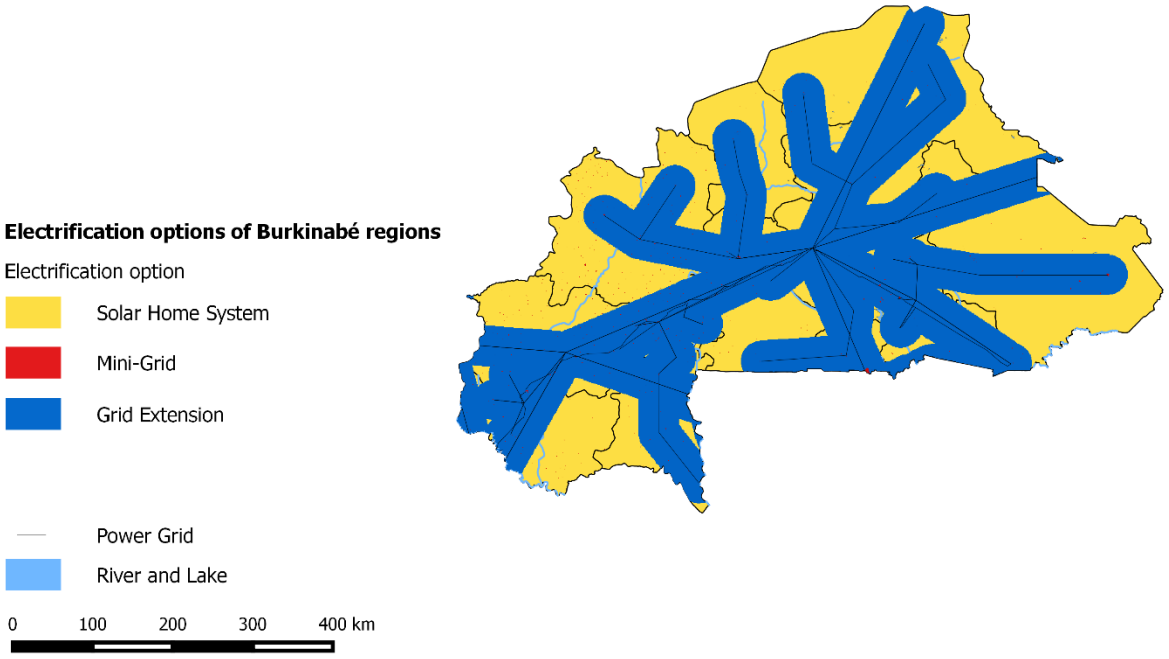




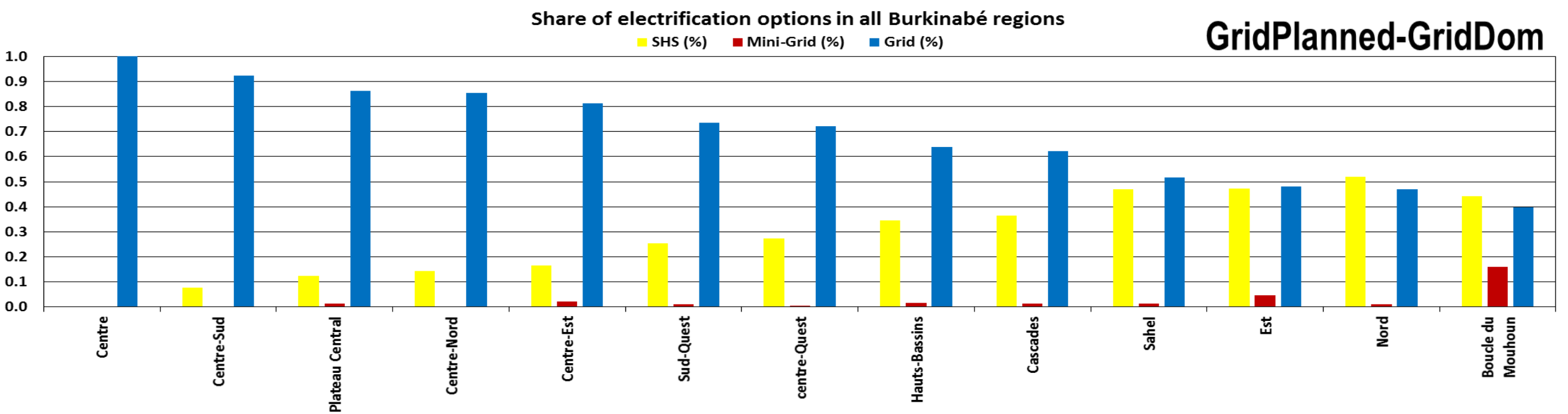
Electrification option: GridPlanned-SHSDom



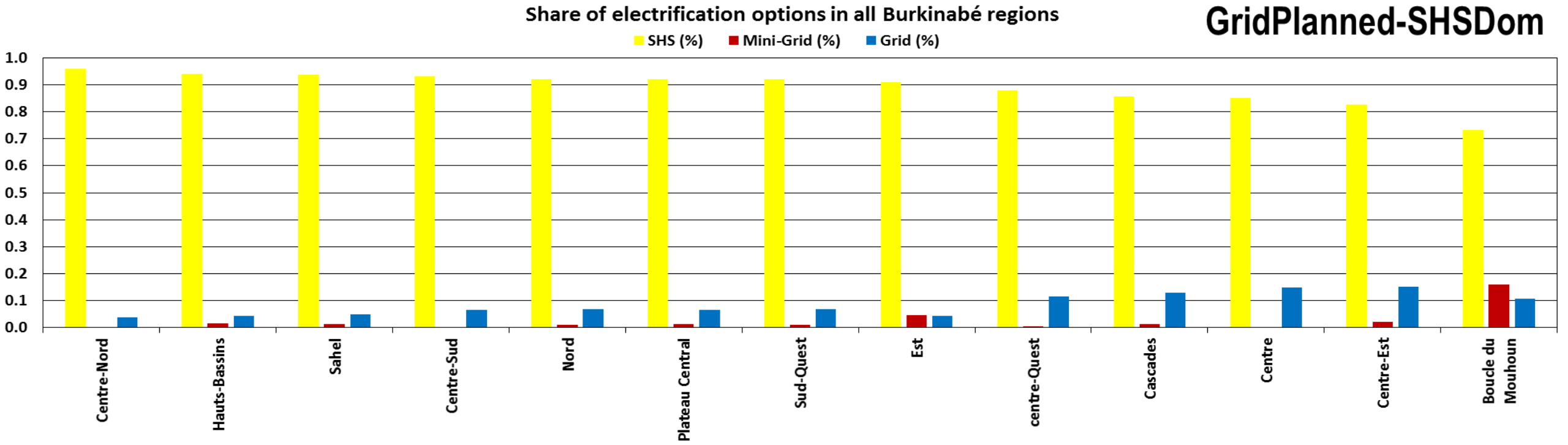
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom

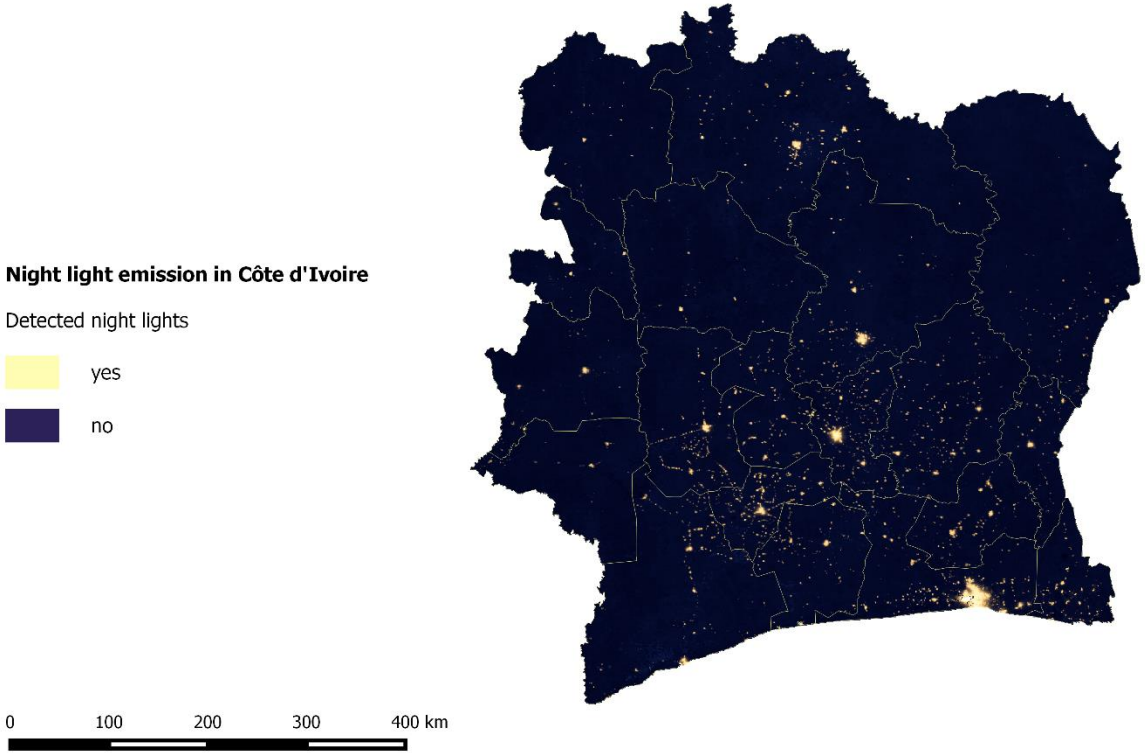


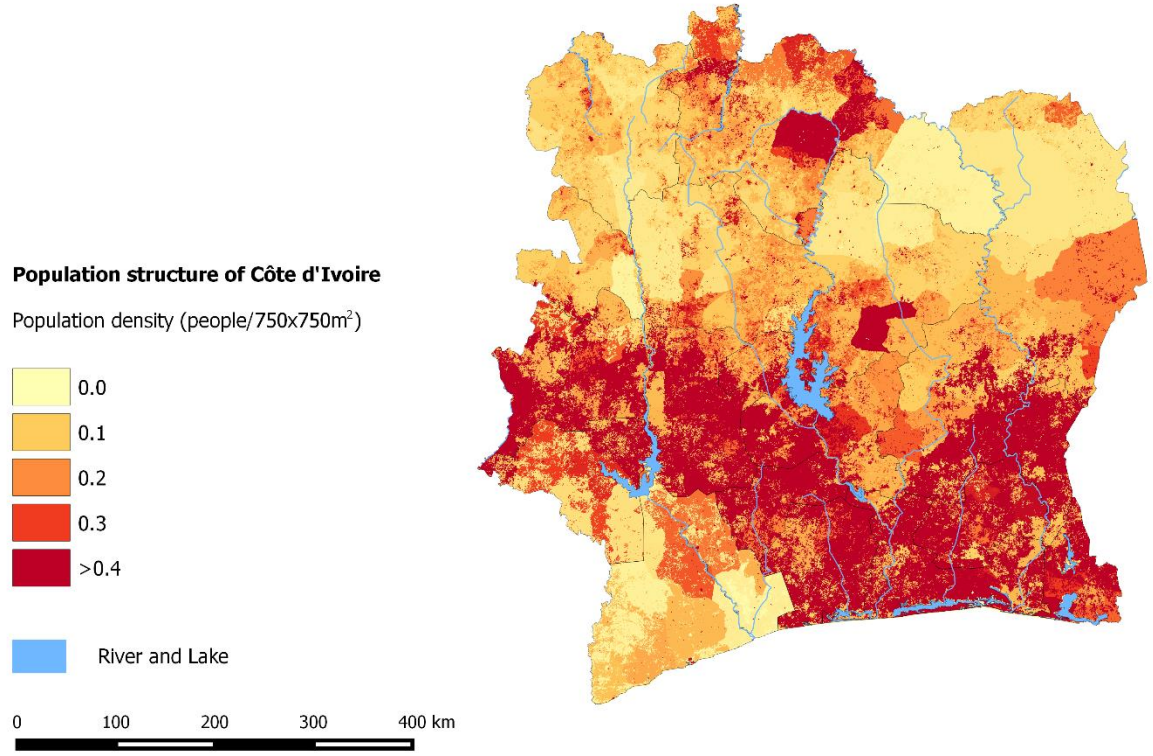
GridPlanned-SHSDom



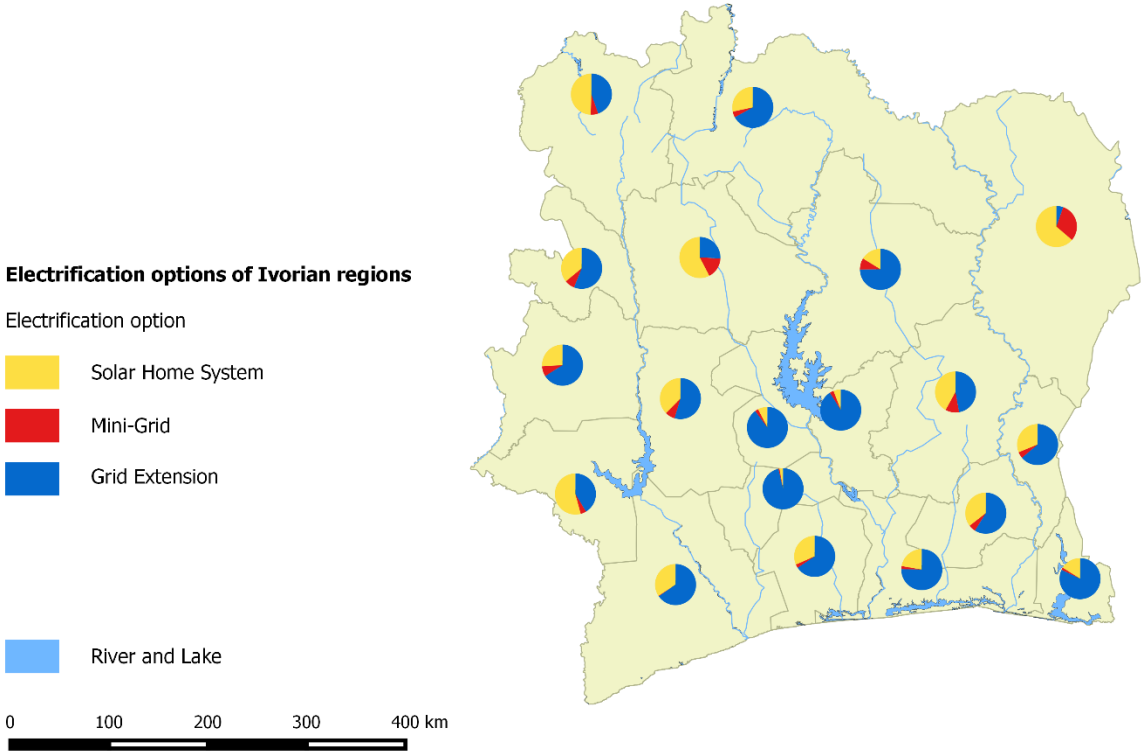
Côte d'Ivoire

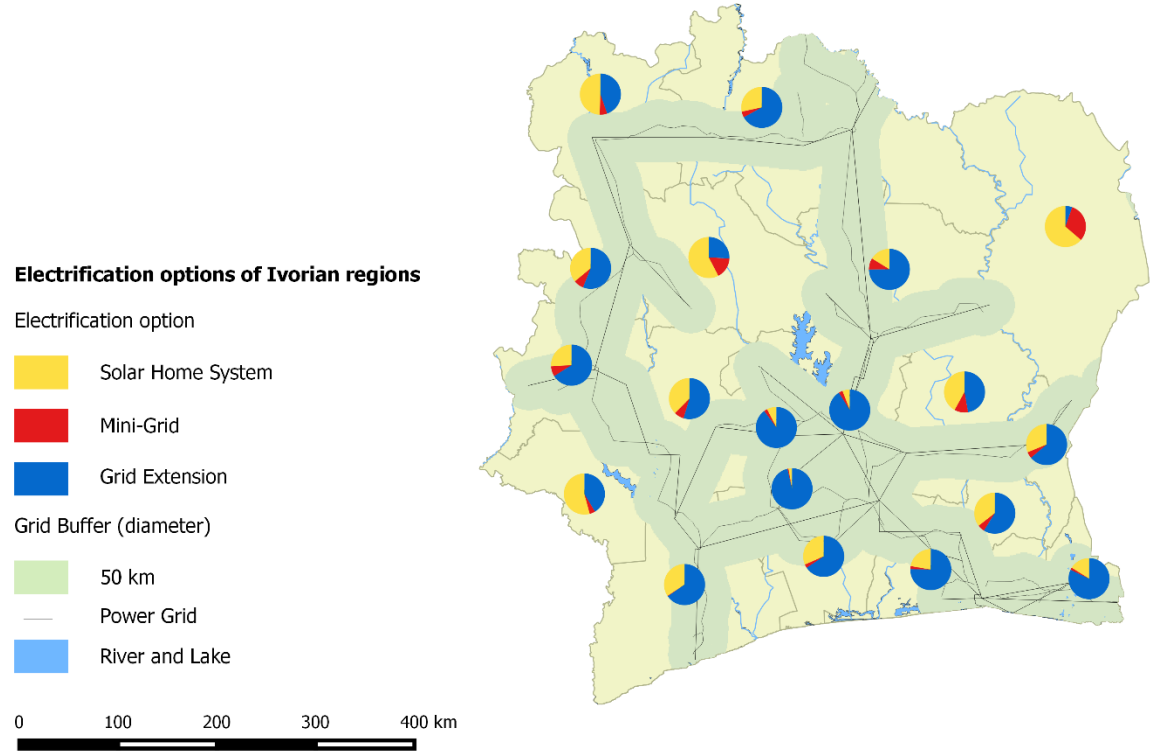
Night light emission and Population of Ivorian regions



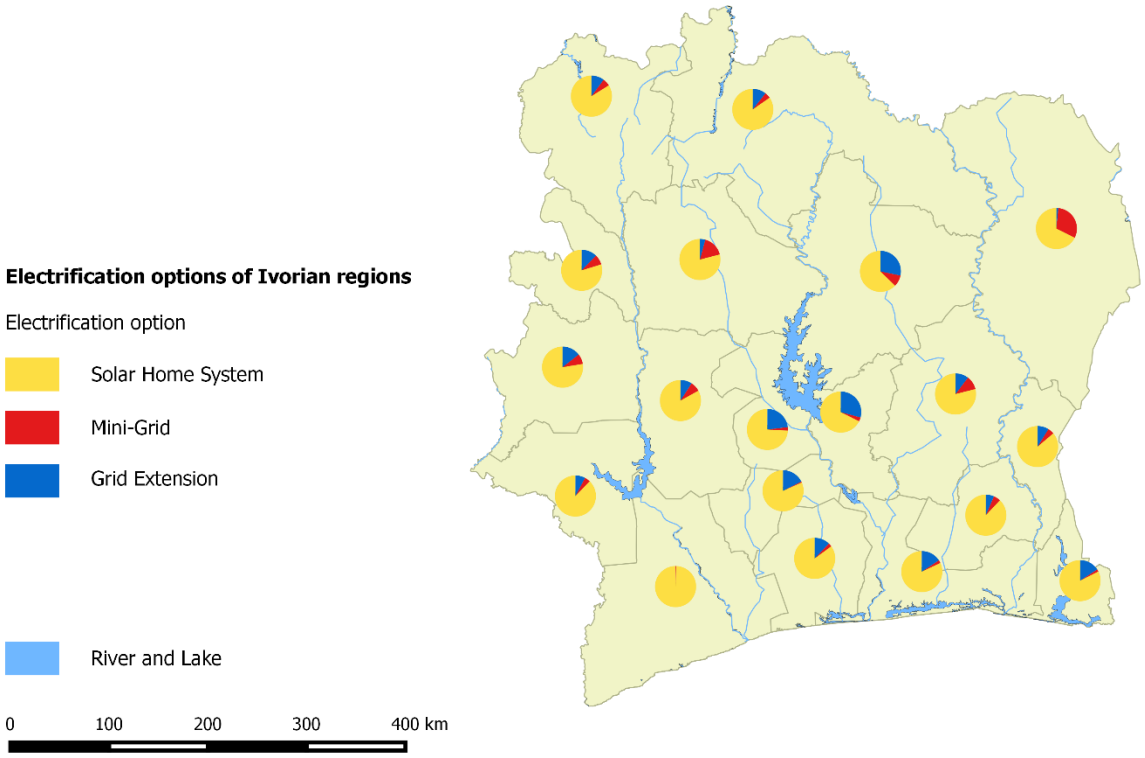


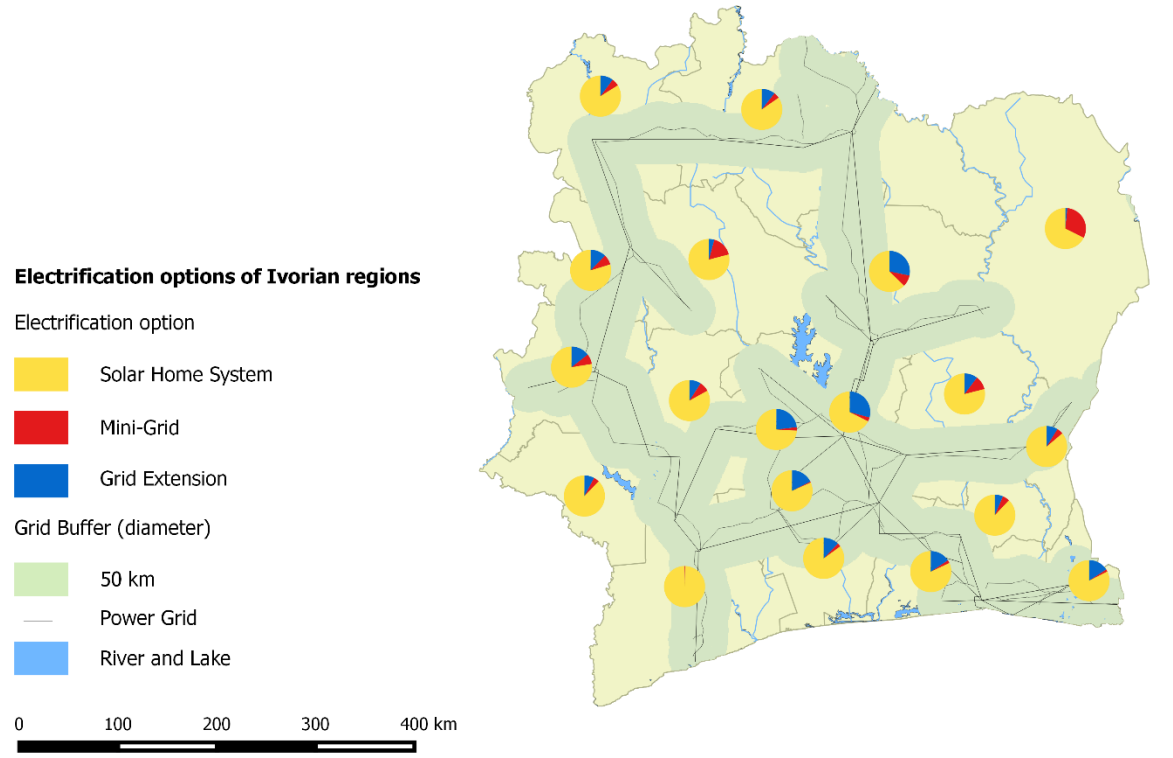
Electrification option in all Ivorian regions: GridBuilt-GridDom



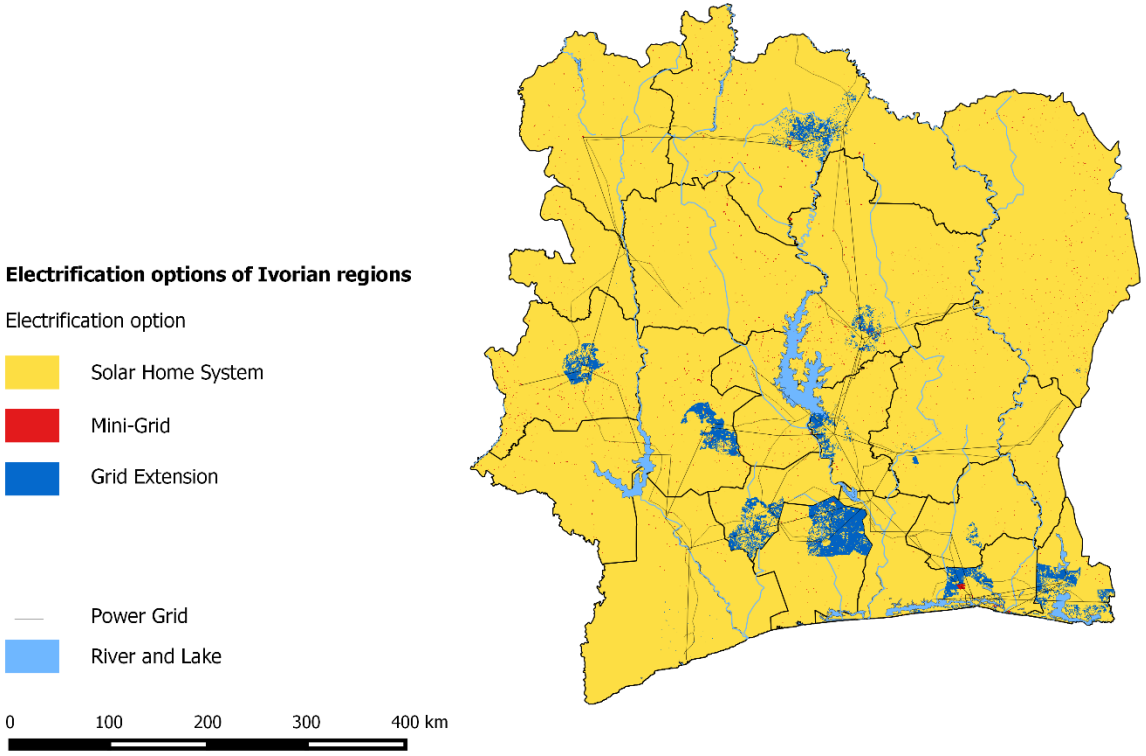


Electrification option in all Ivorian regions: GridBuilt-SHSDom

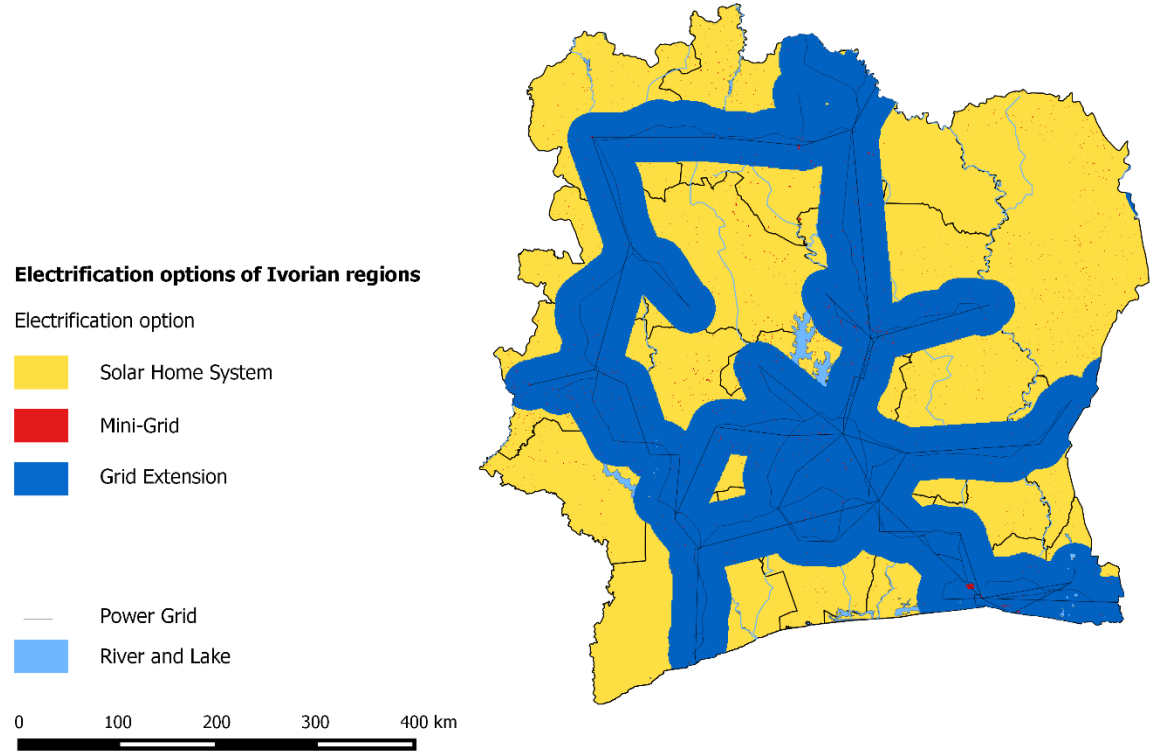




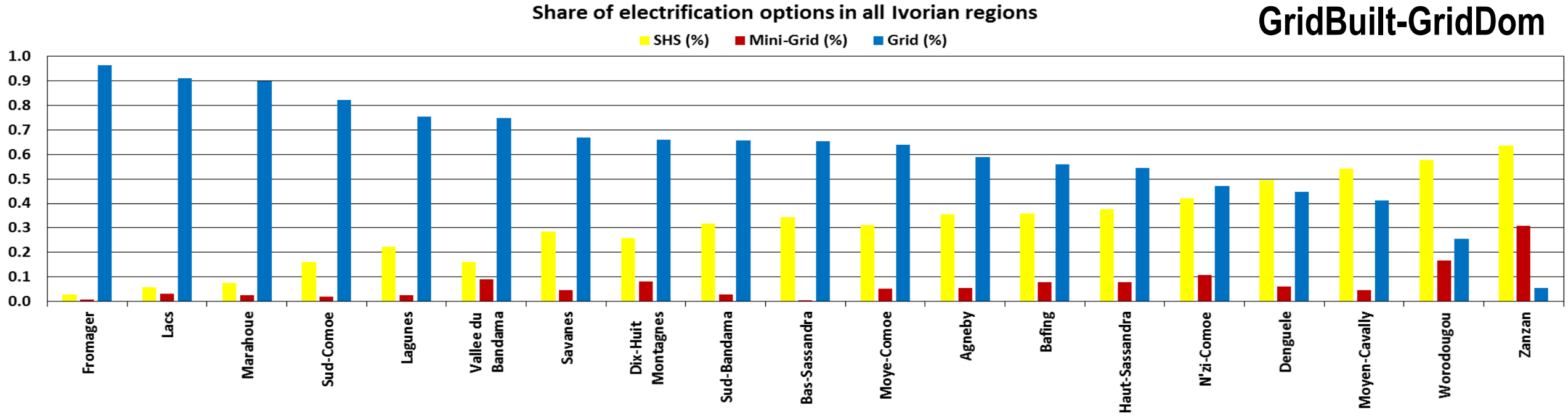
Electrification option: GridBuilt-SHSDom



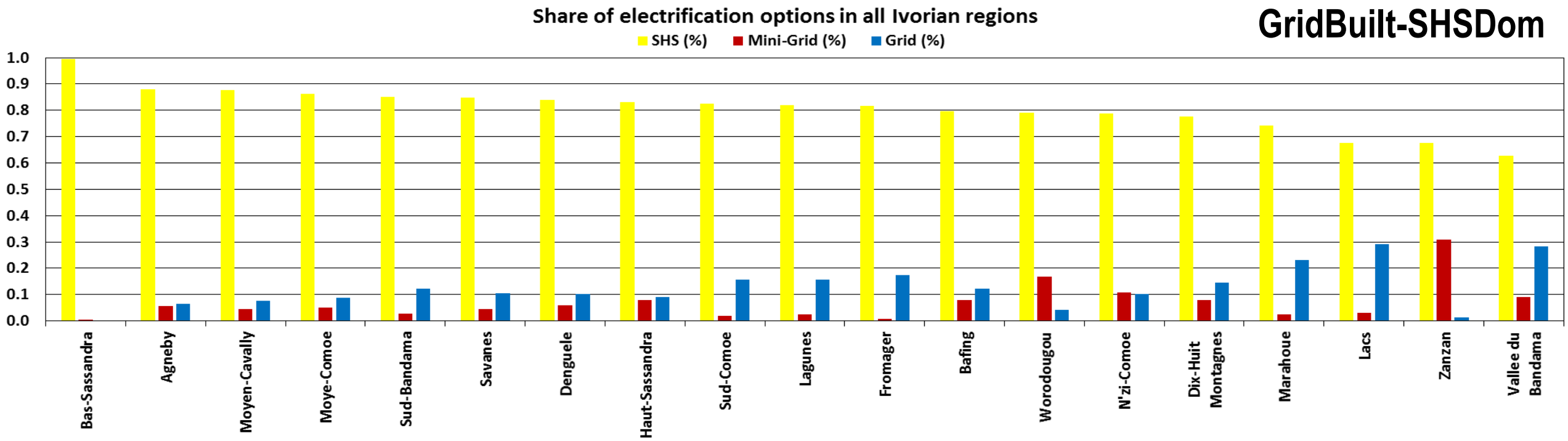
Electrification option: GridBuilt-GridDom



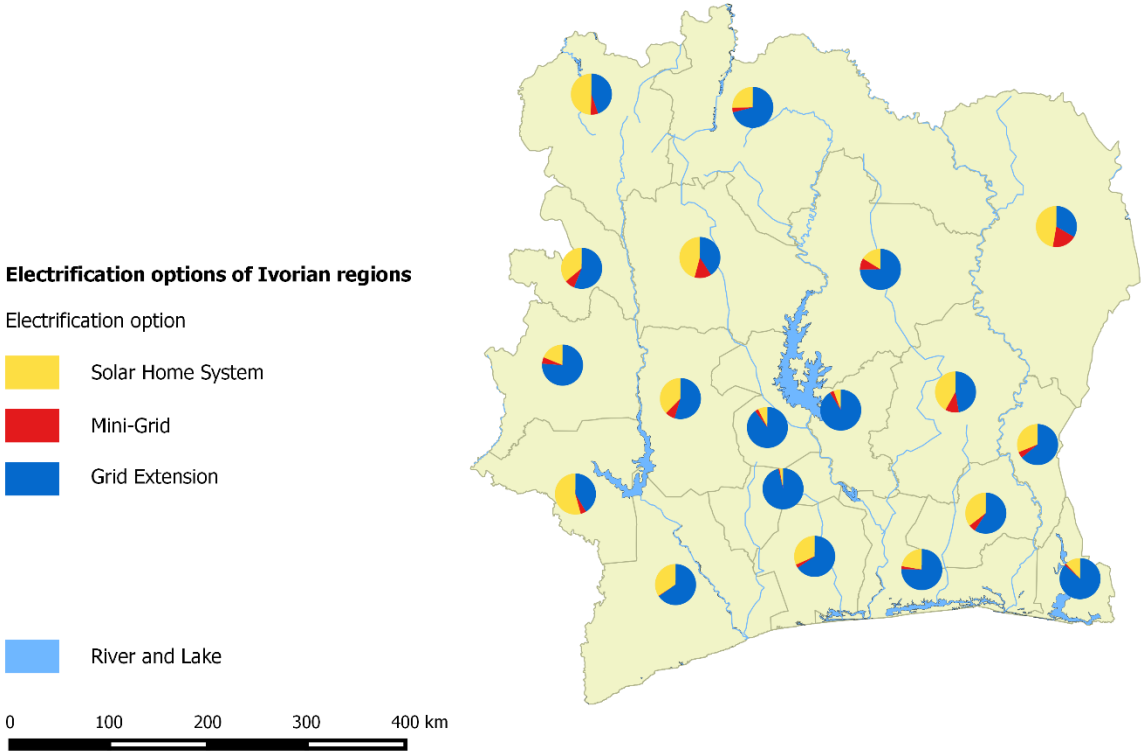
GridBuilt-GridDom

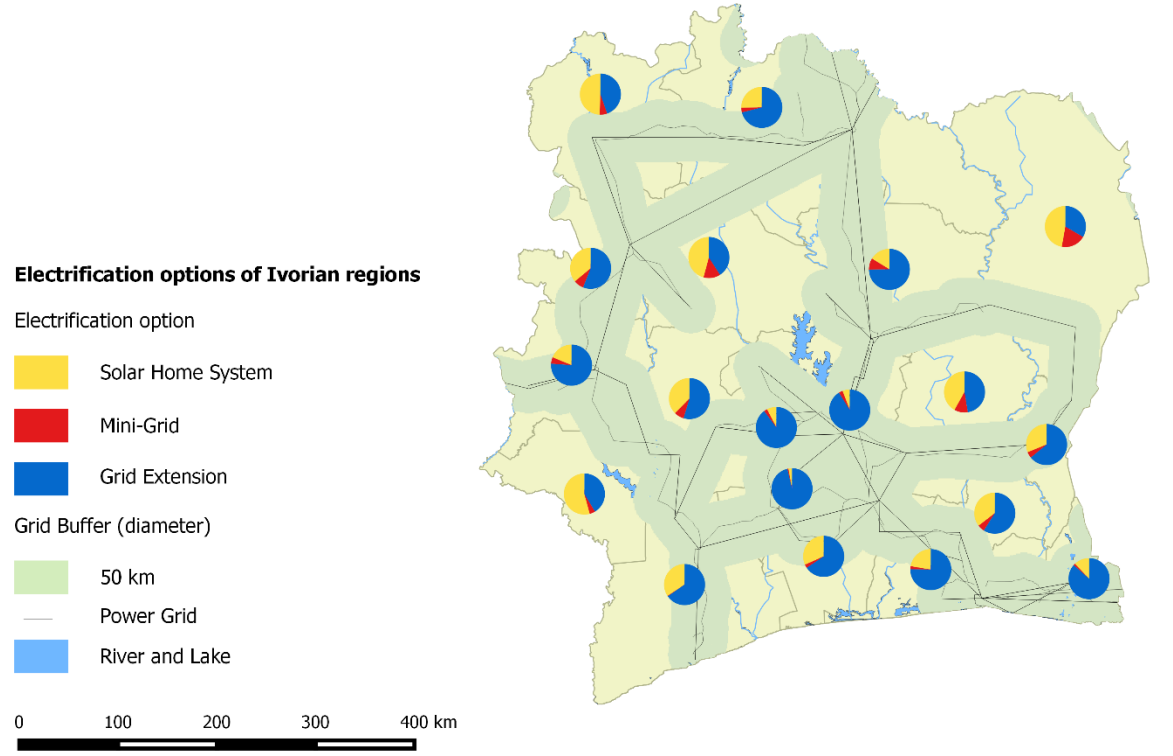


GridBuilt-SHSDom

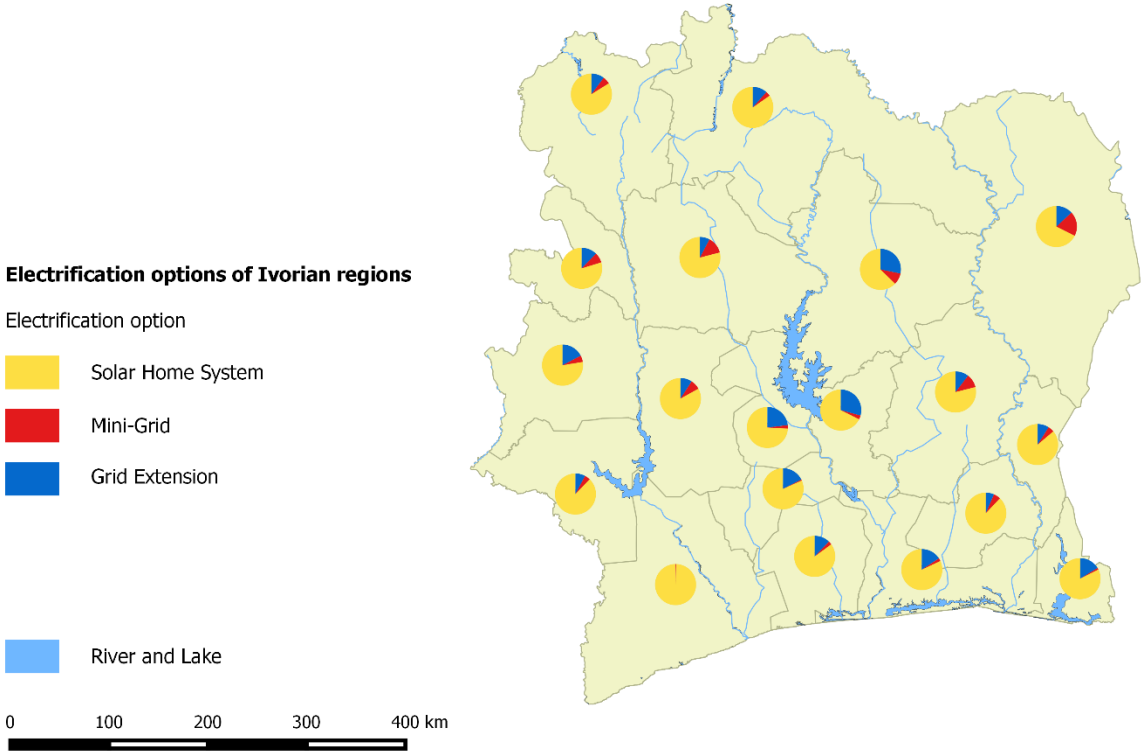


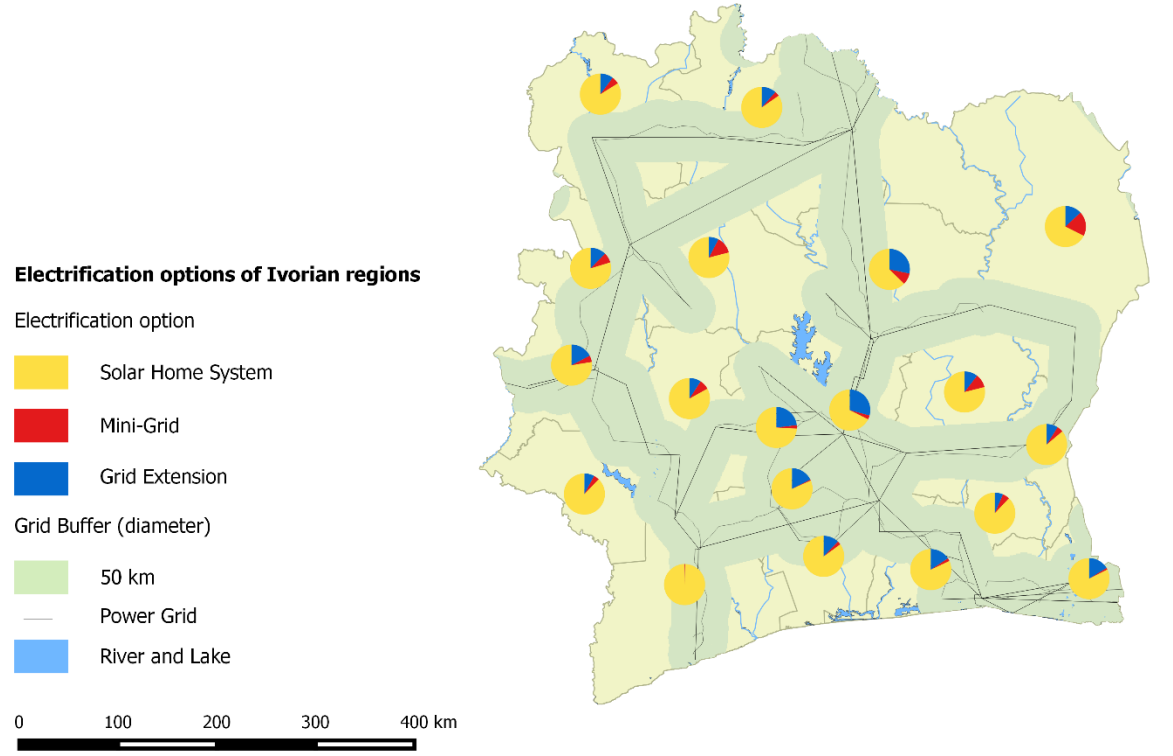
Electrification option in all Ivorian regions: GridPlanned-GridDom



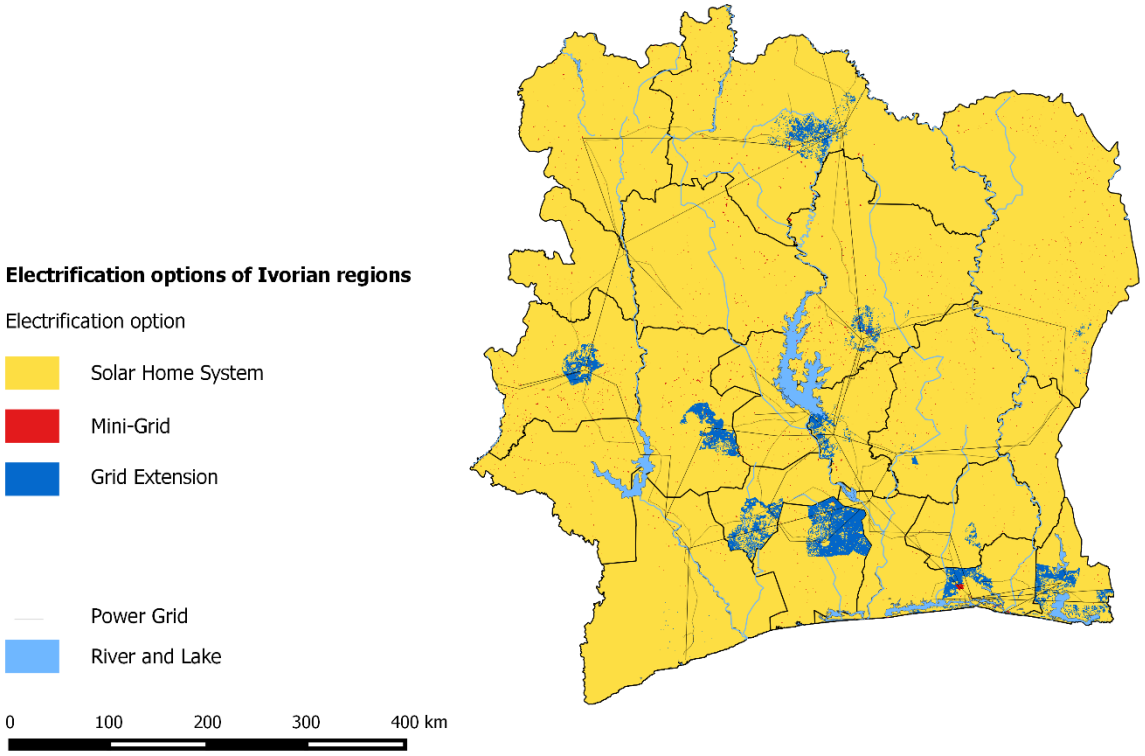


Electrification option in all Ivorian regions: GridPlanned-SHSDom

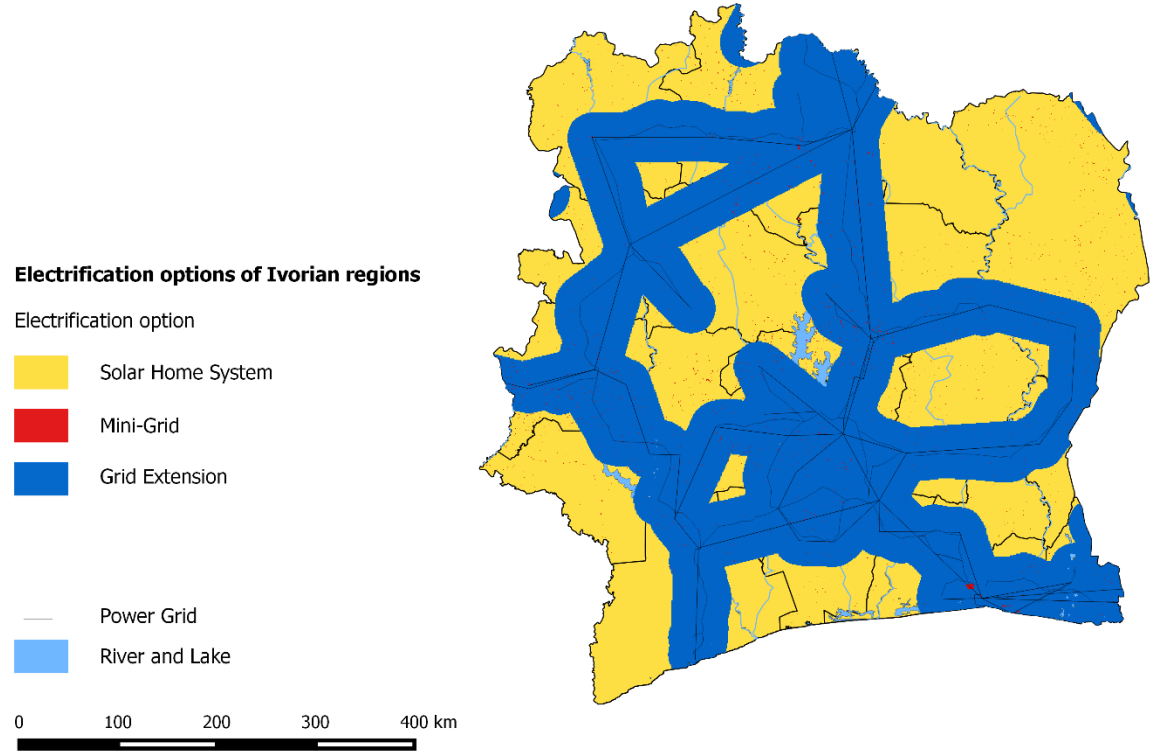




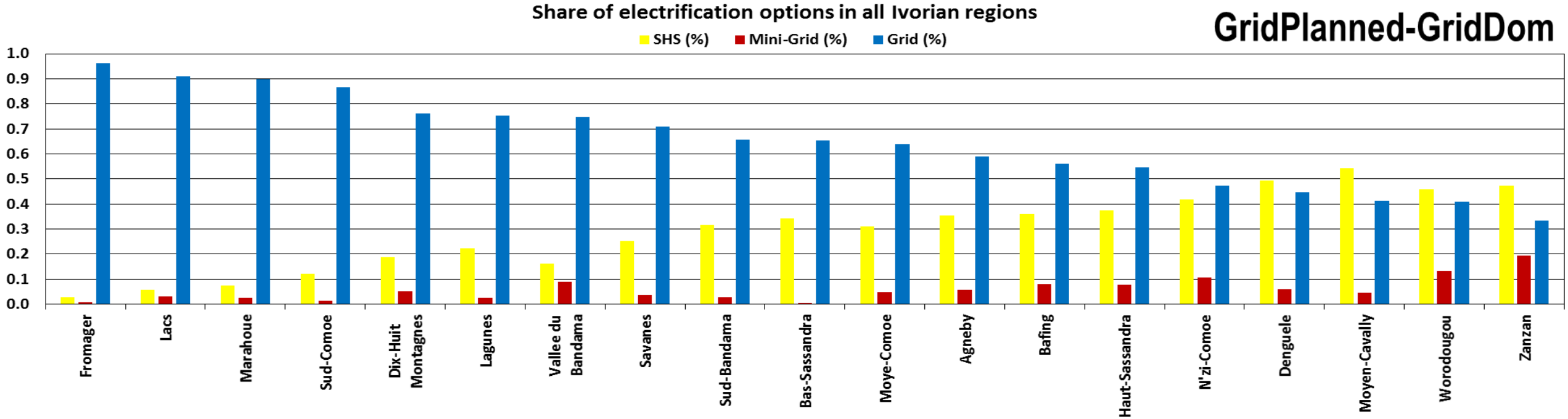
Electrification option: GridPlanned-SHSDom



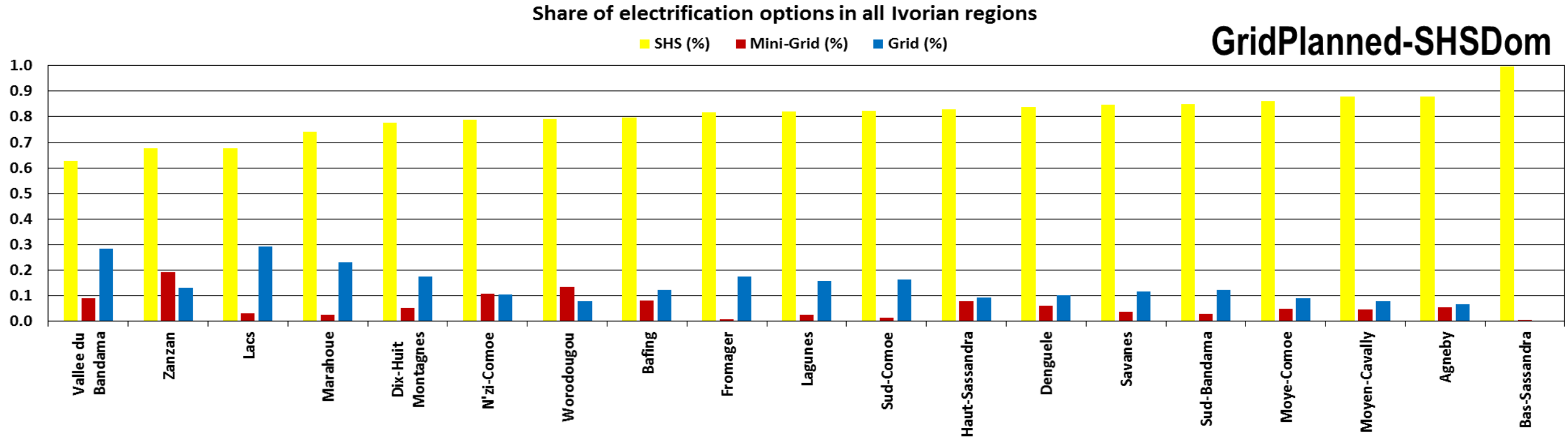
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom

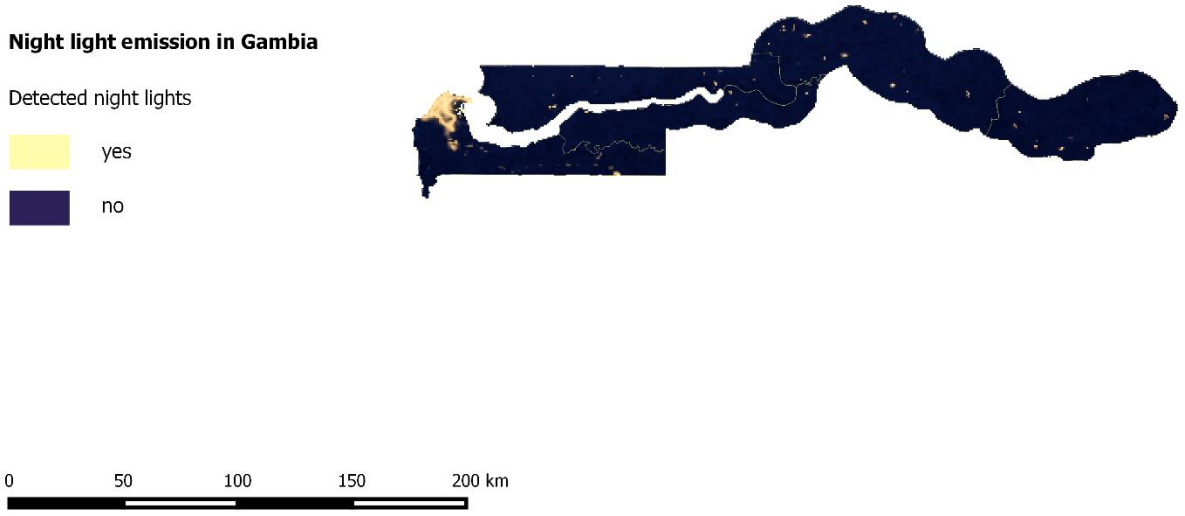


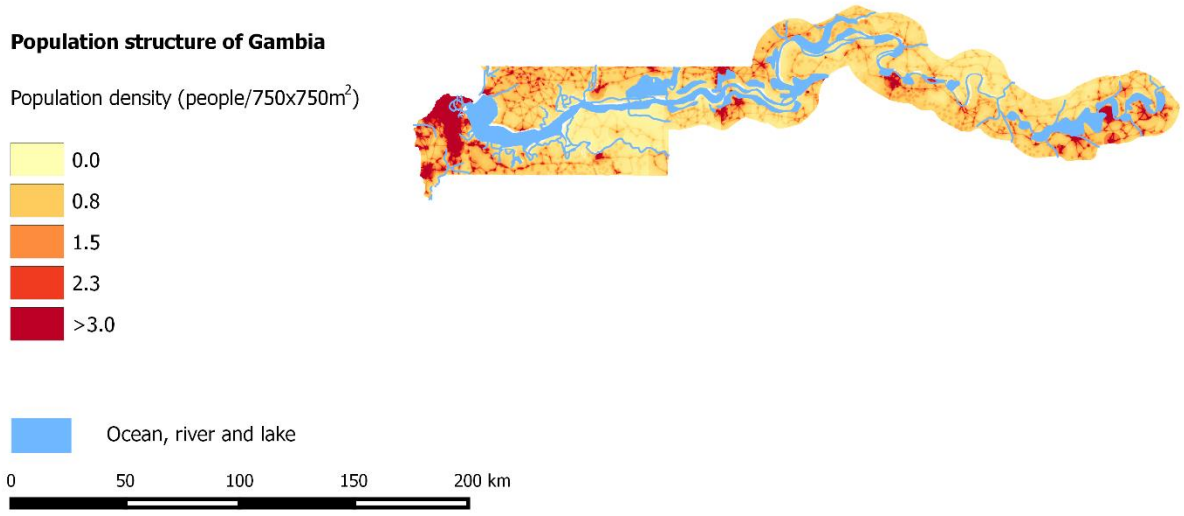
GridPlanned-SHSDom



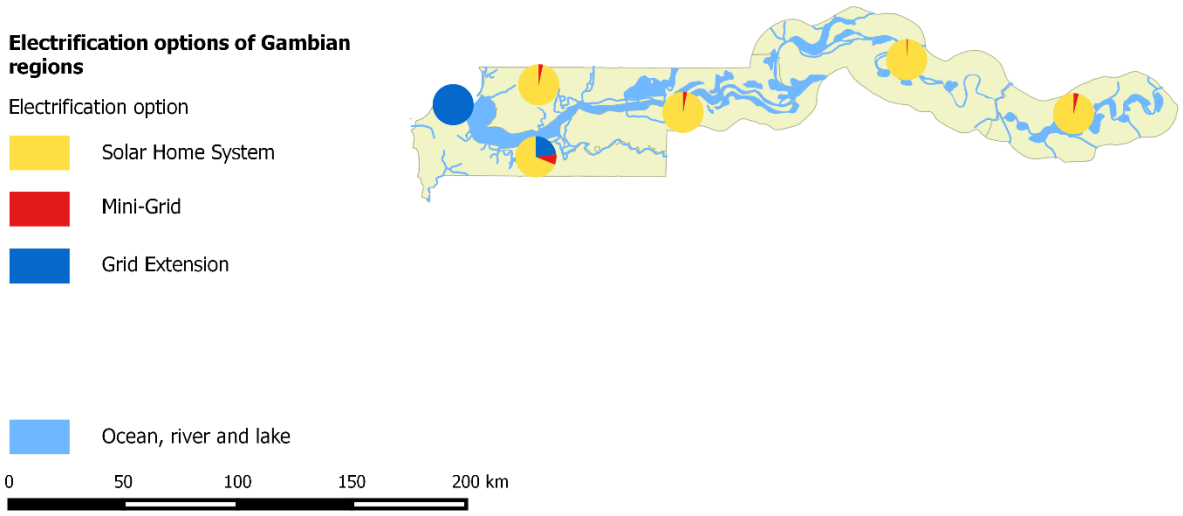
Gambia

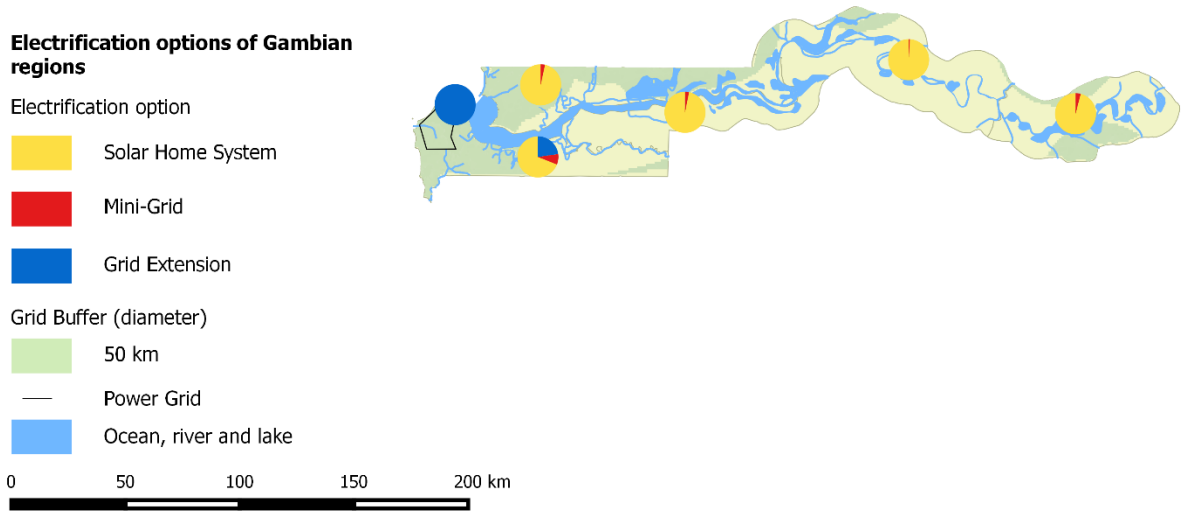
Night light emission and Population of Gambian regions



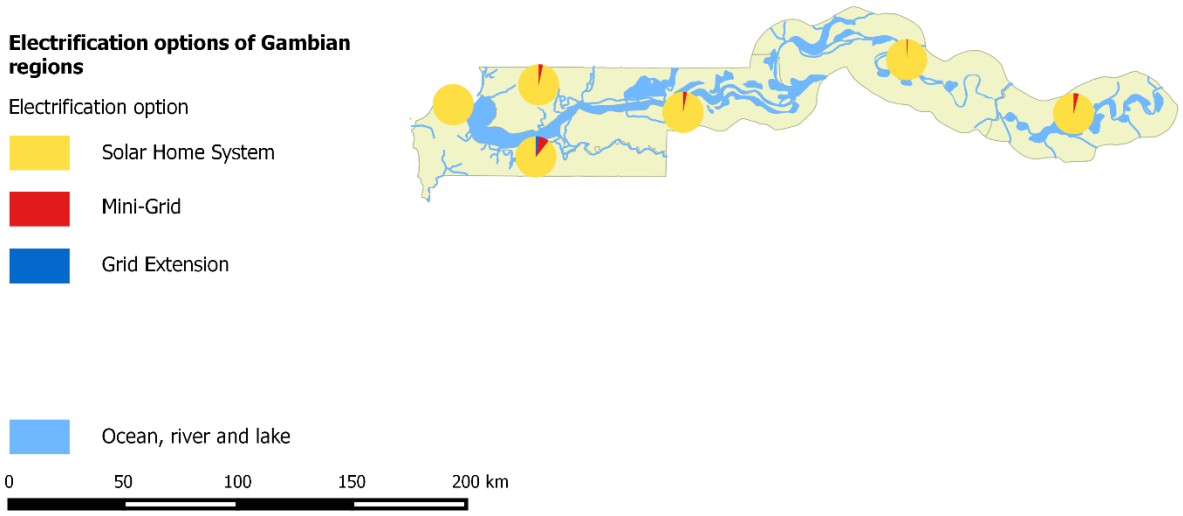


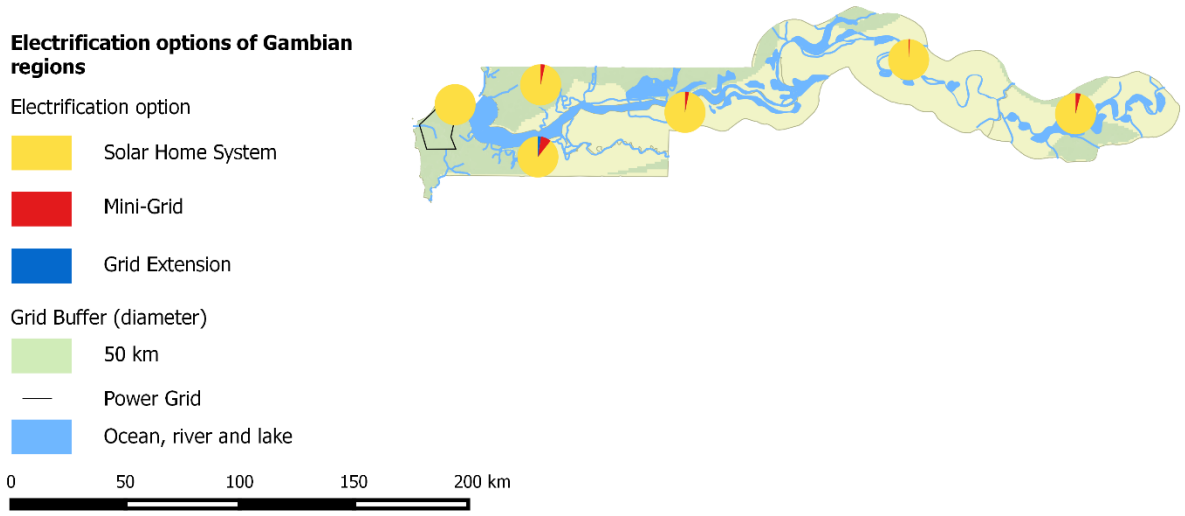
Electrification option in all Gambian regions: GridBuilt-GridDom



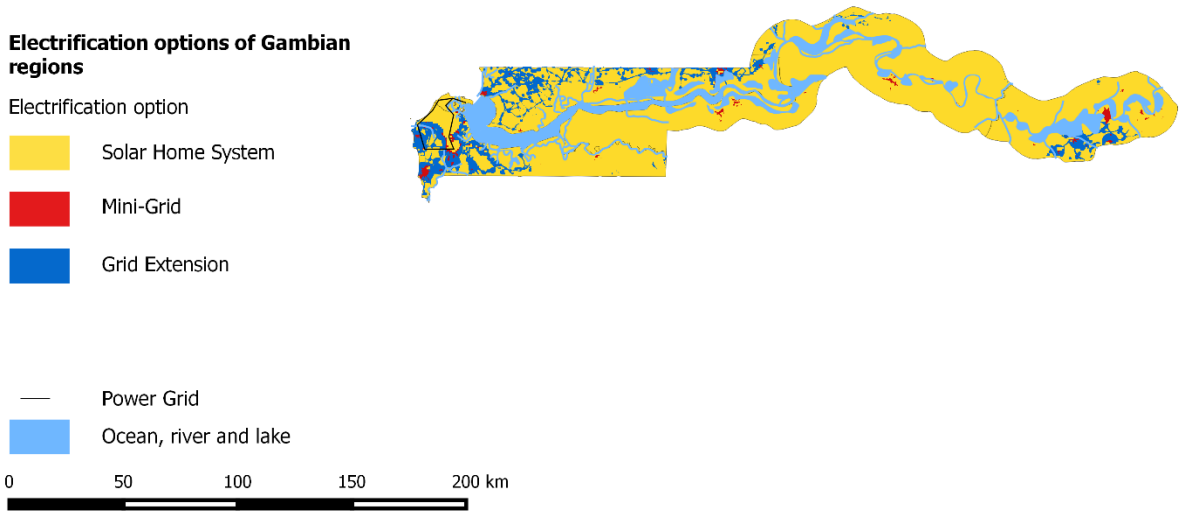


Electrification option in all Gambian regions: GridBuilt-SHSDom

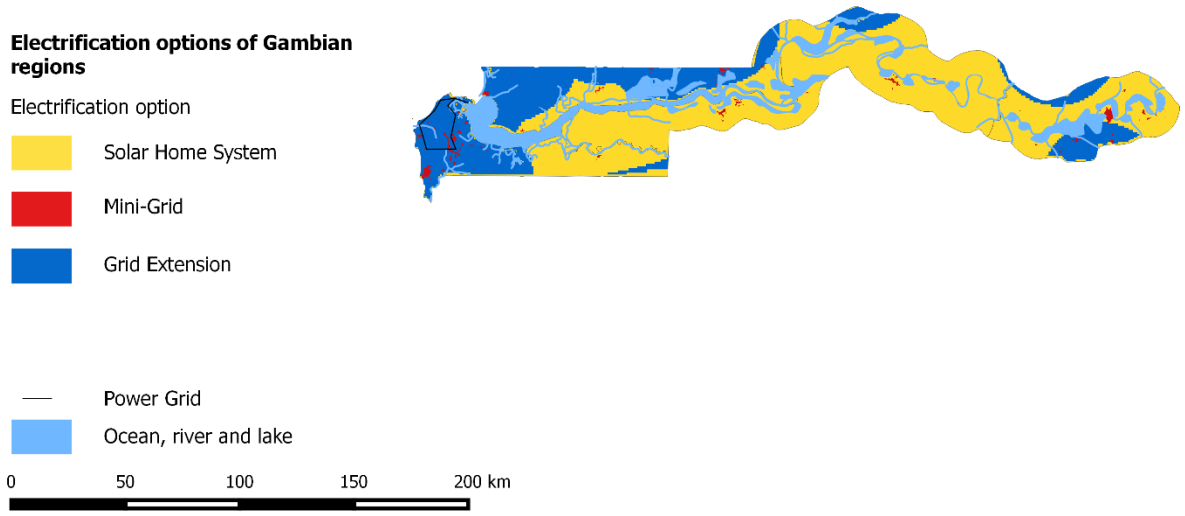


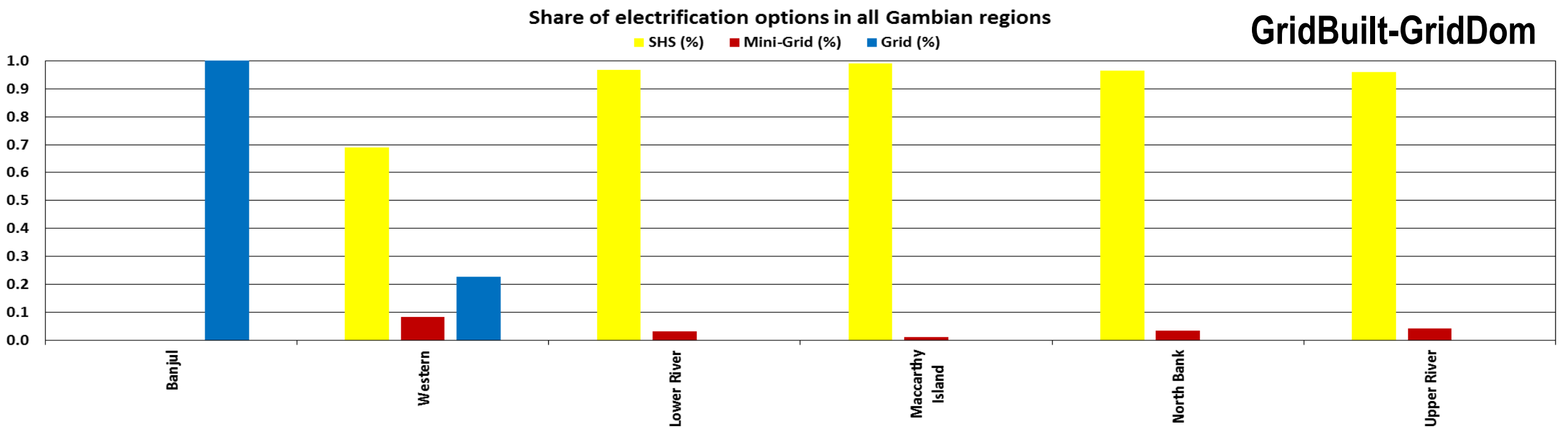


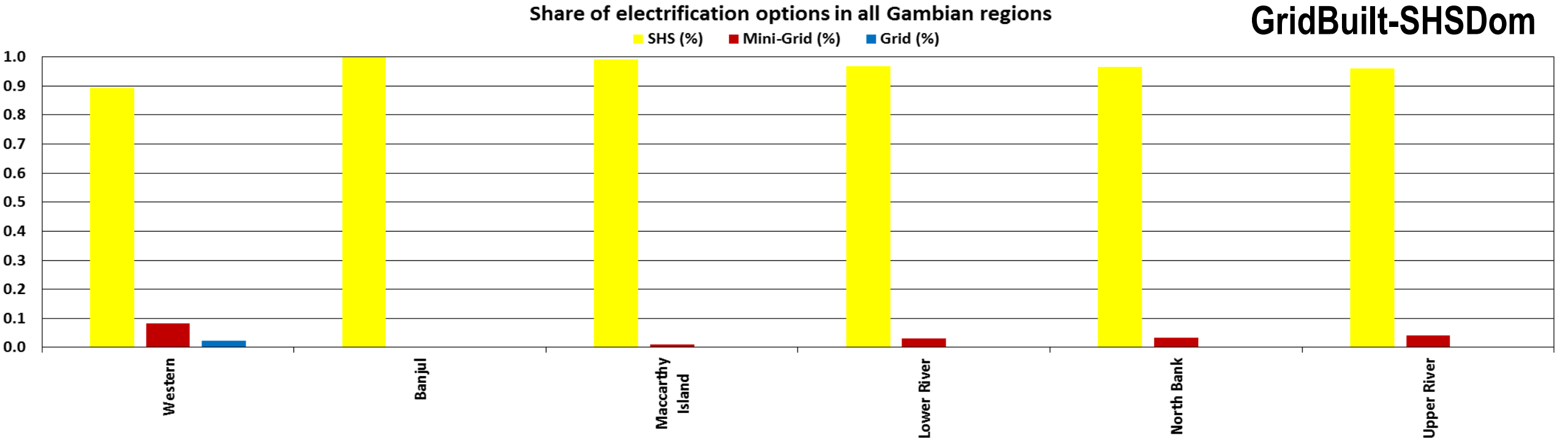
Electrification option: GridBuilt-SHSDom



Electrification option: GridBuilt-GridDom




Share of electrification options in all Gambian regions
SHS (%)
Mini-Grid (%)
Grid (%)
GridBuilt-GridDom
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Banjul
Western
Lower River
Maccarthy Island
North Bank
Upper River


Share of electrification options in all Gambian regions
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1.0
0.9
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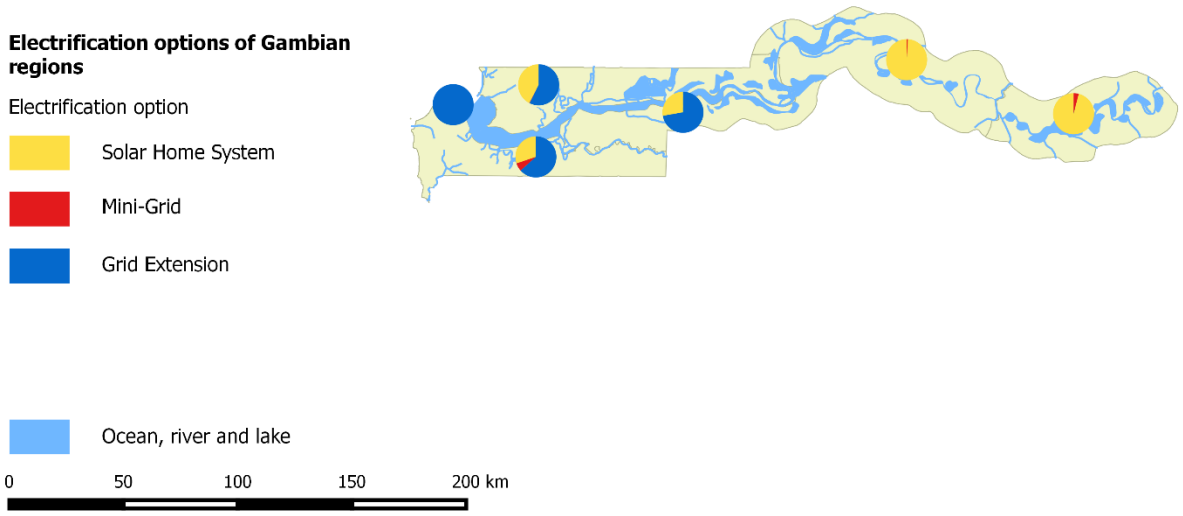
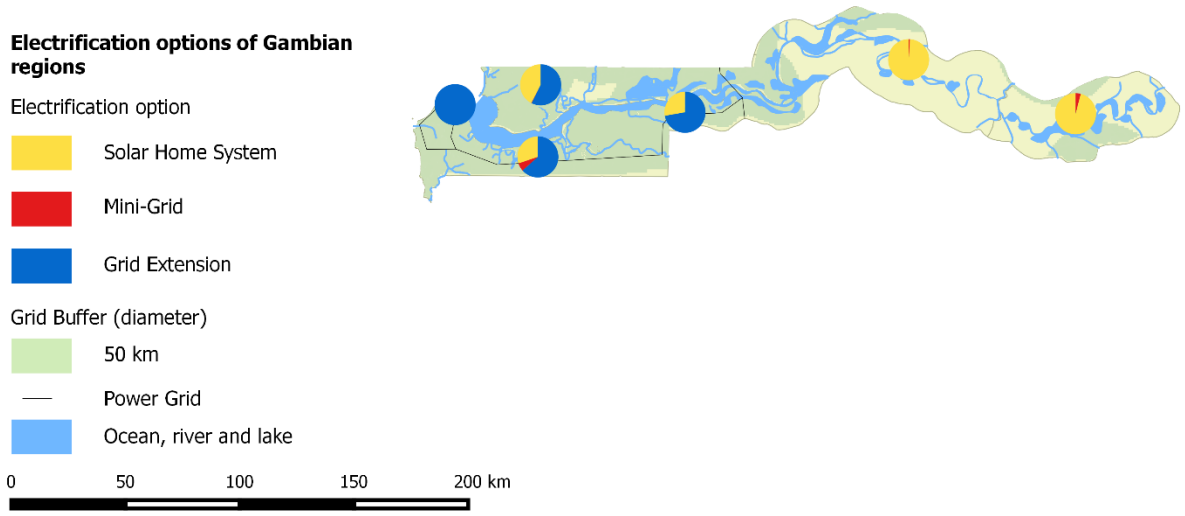
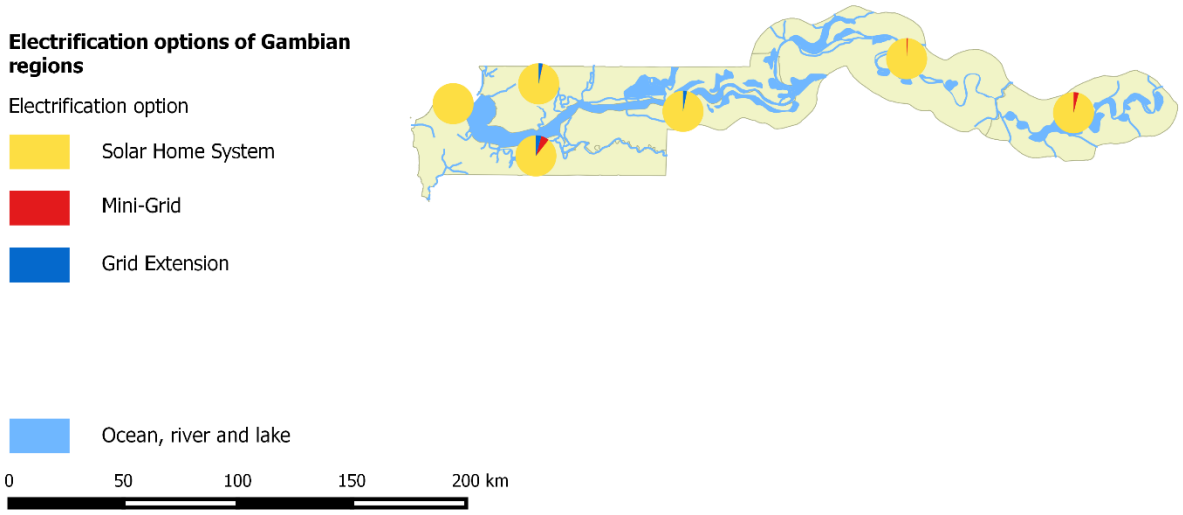
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Western
Banjul
Maccarthy Island
Lower River
North Bank
Upper River

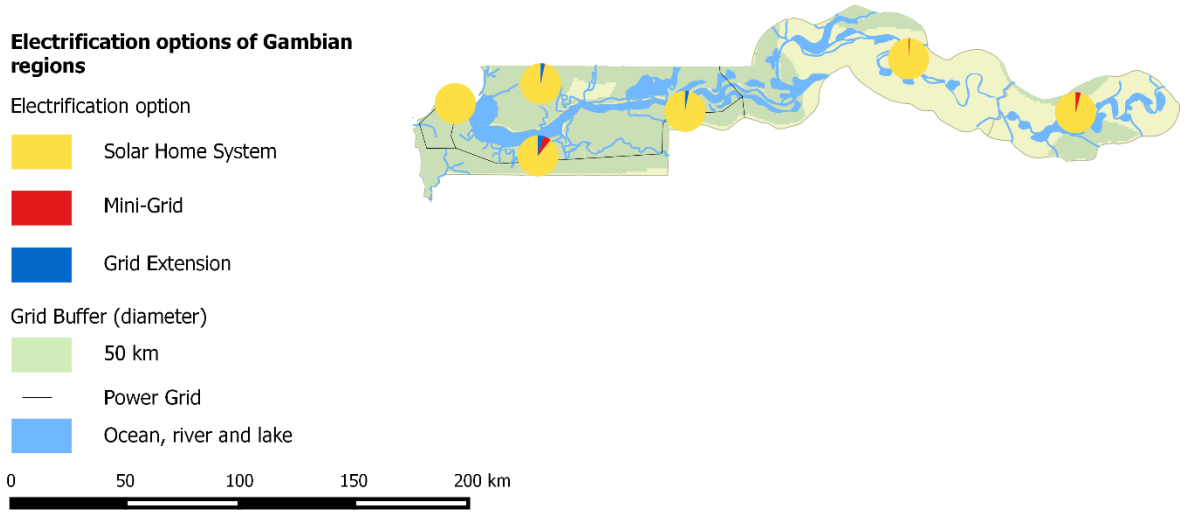
Electrification option in all Gambian regions: GridPlanned-GridDom



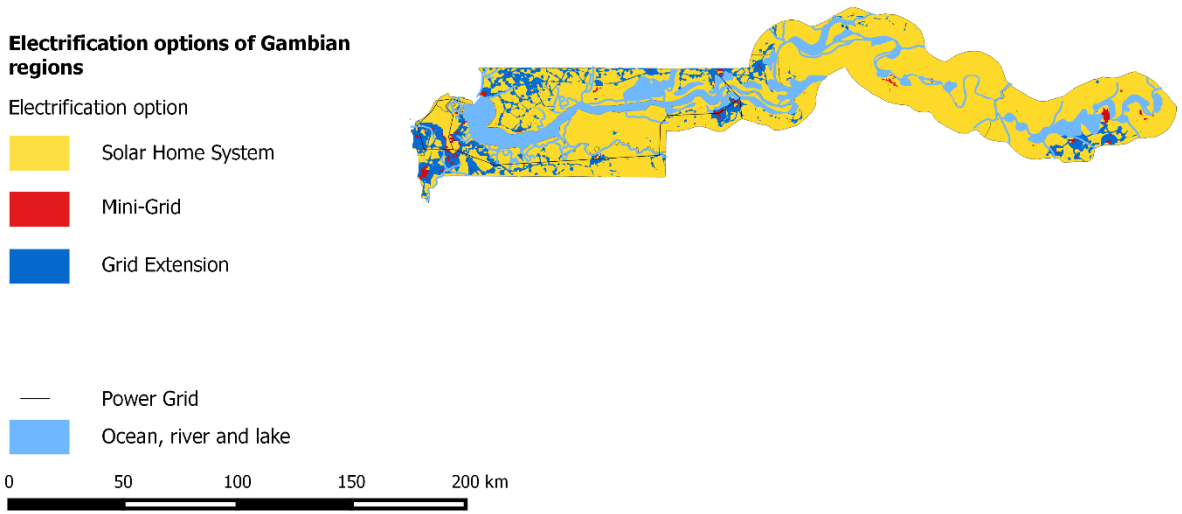


Electrification option in all Gambian regions: GridPlanned-SHSDom

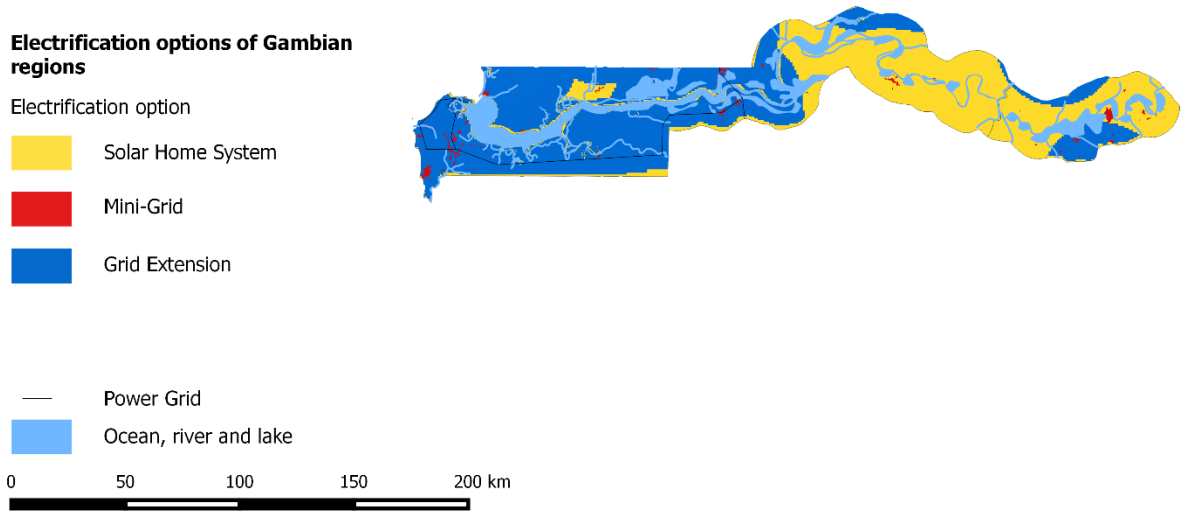




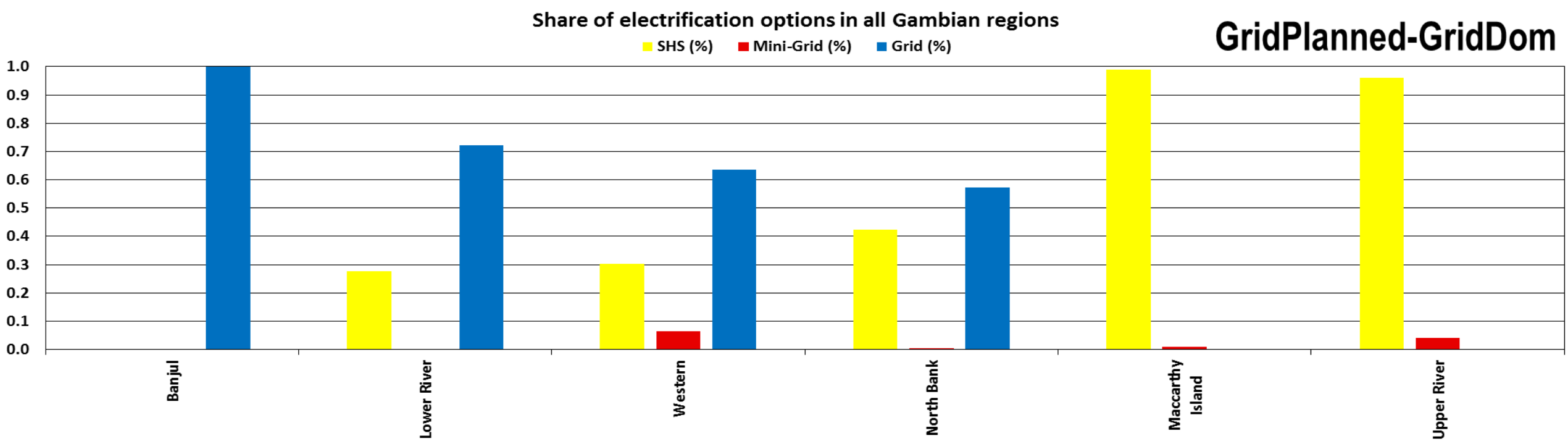
Electrification option: GridPlanned-SHSDom



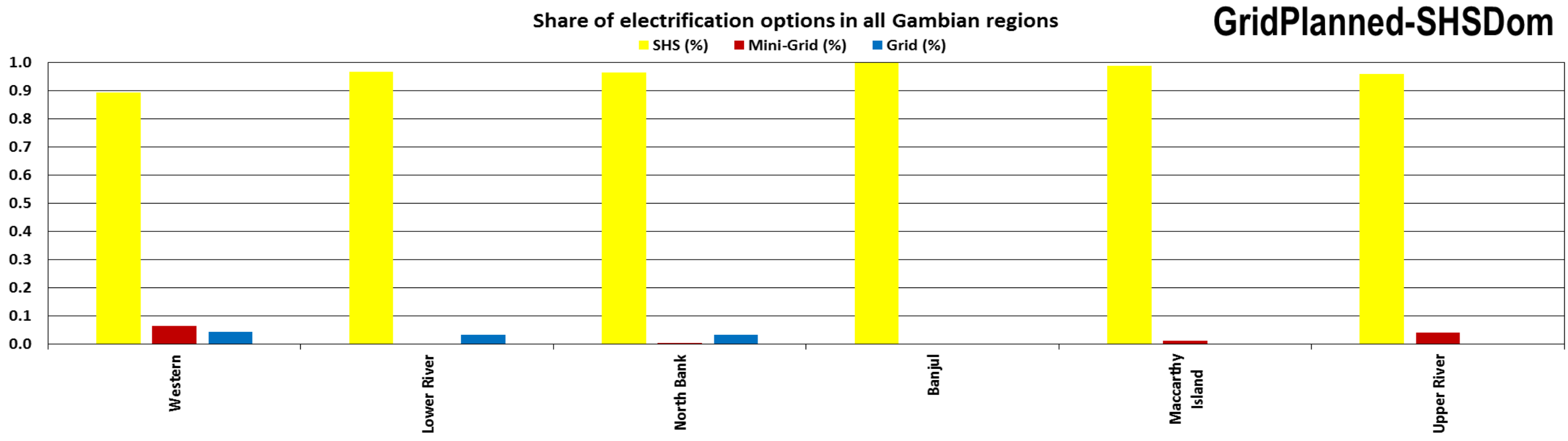
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom



GridPlanned-SHSDom



Ghana

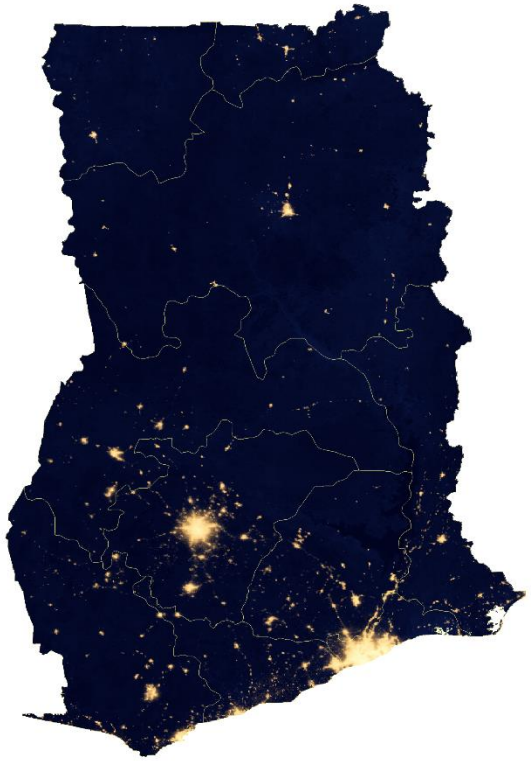
Night light emission and Population of Ghanaian regions

Night light emission in Ghana

Detected night lights

yes

no



0 100 200 300 400 km

Population structure of Ghana

Population density (people/750x750m^2)

0.0

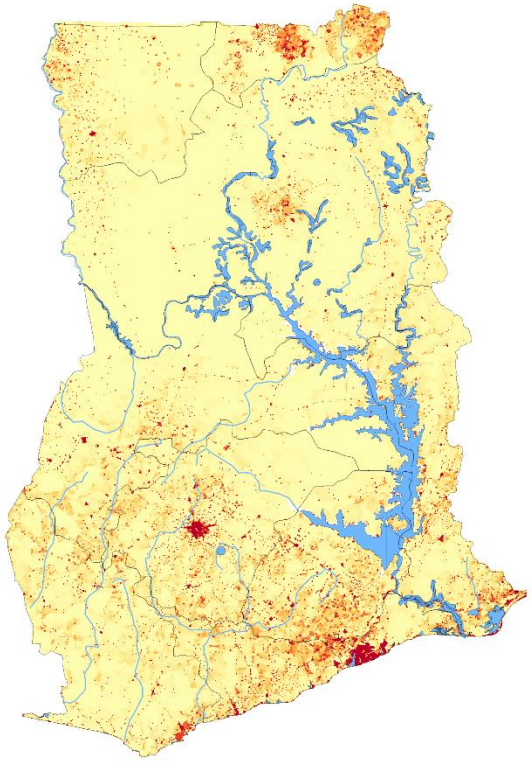
1.3

2.5

3.8

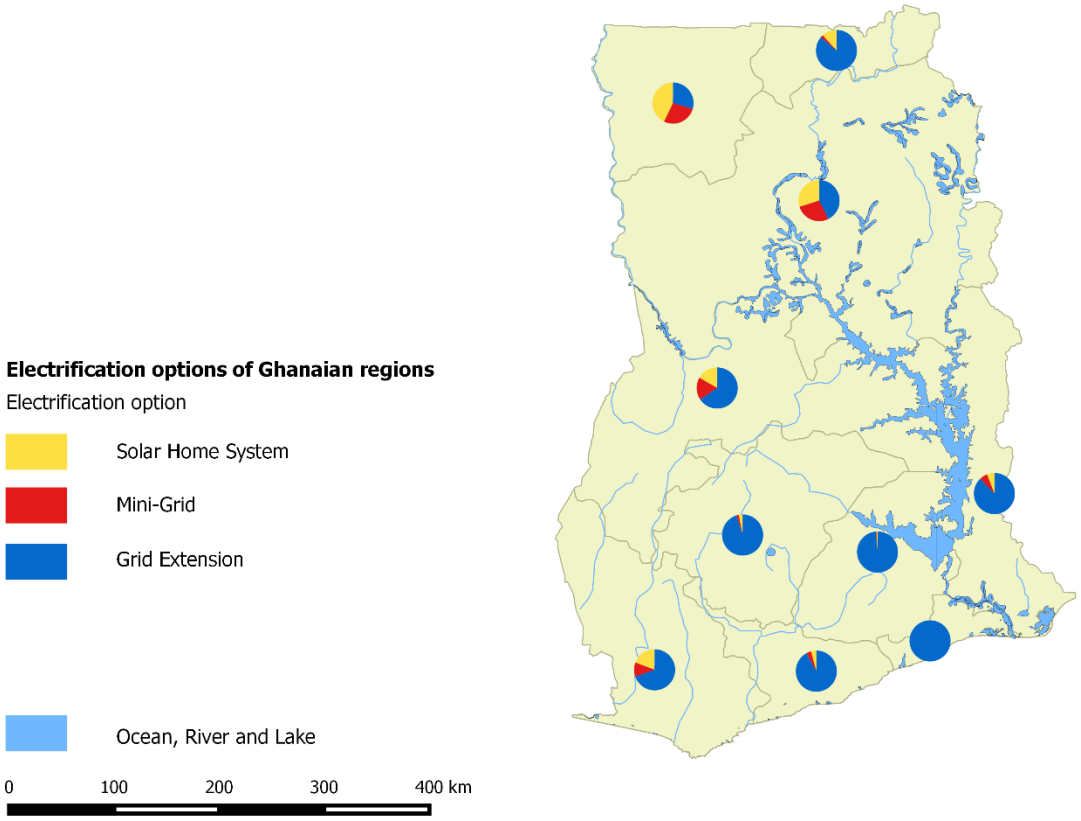
>5.0

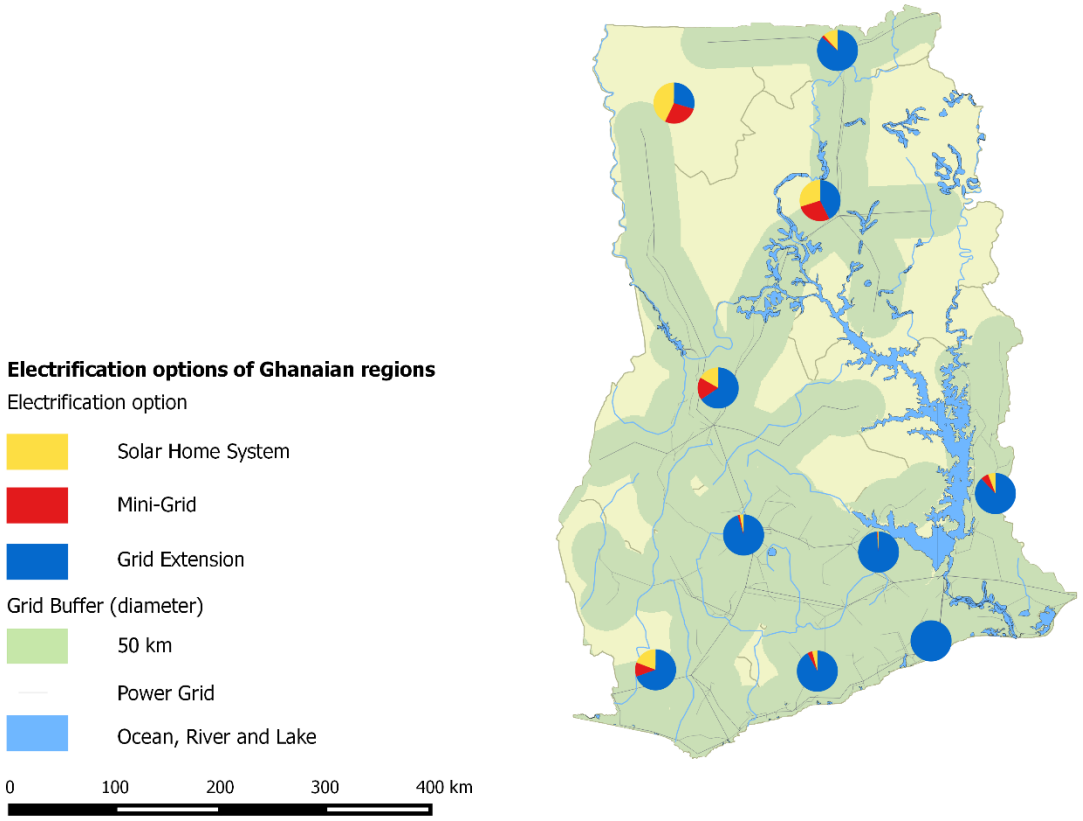
Ocean, River and Lake



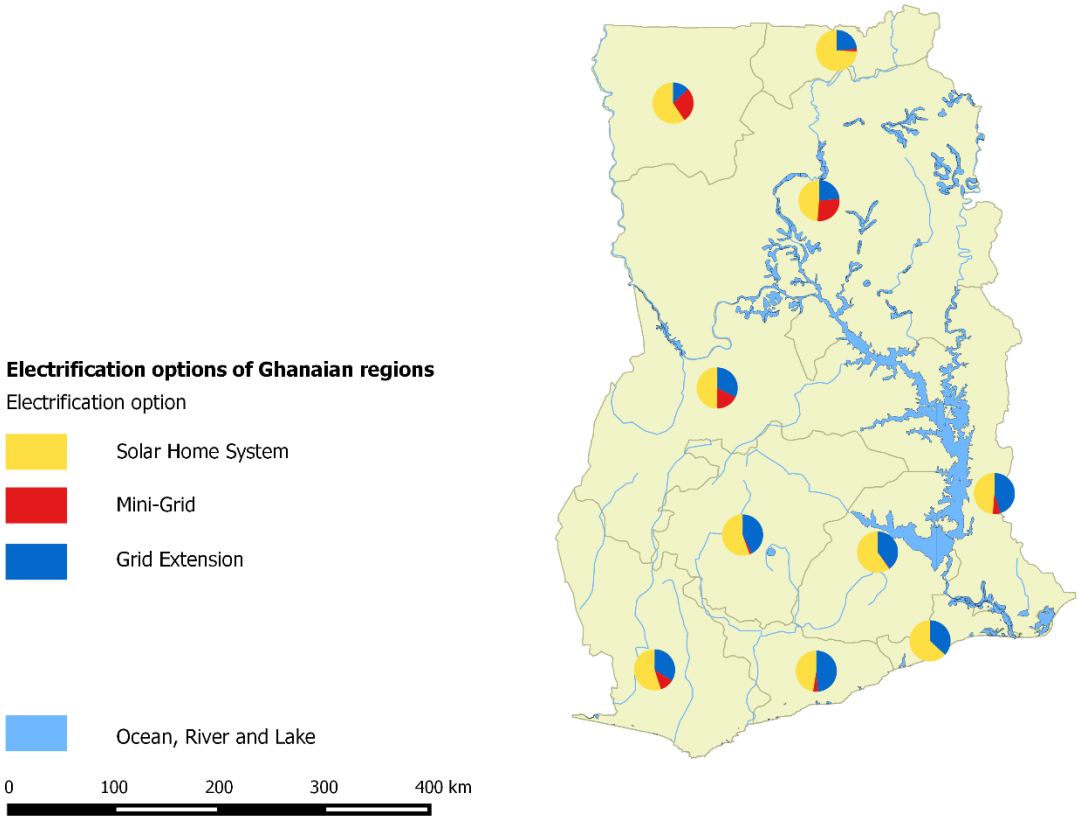
0 100 200 300 400 km

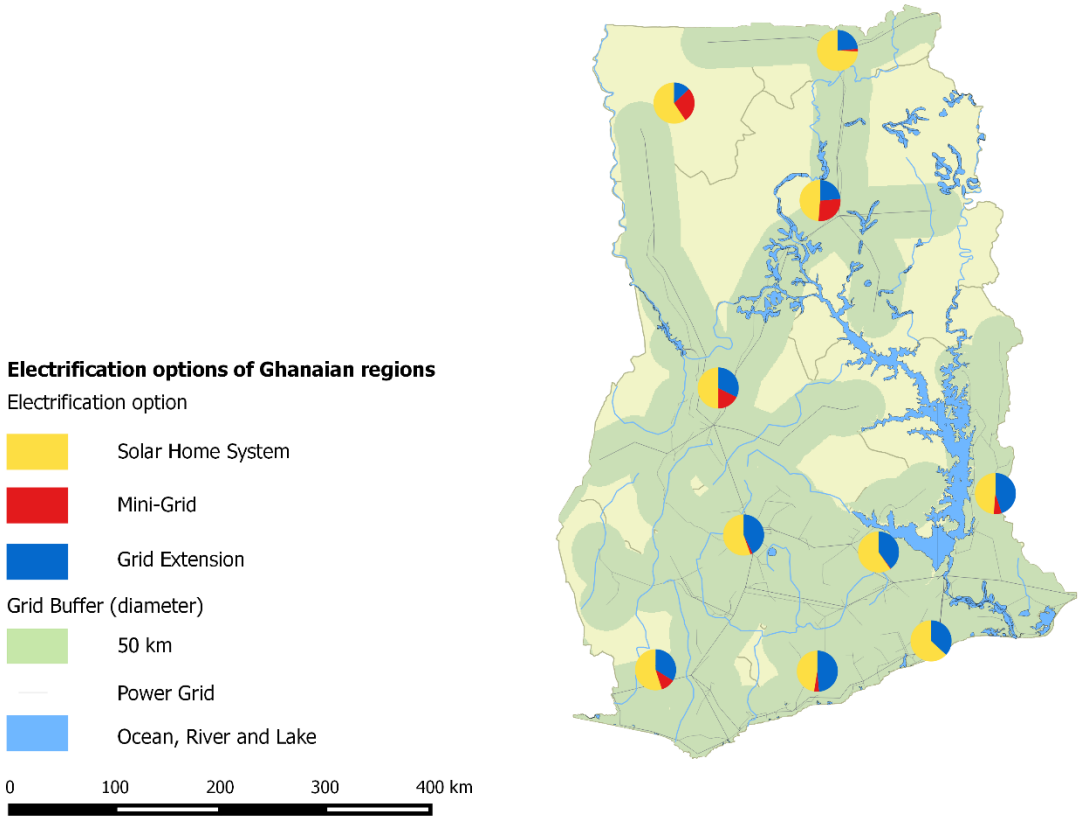
Electrification option in all Ghanaian regions: GridBuilt-GridDom



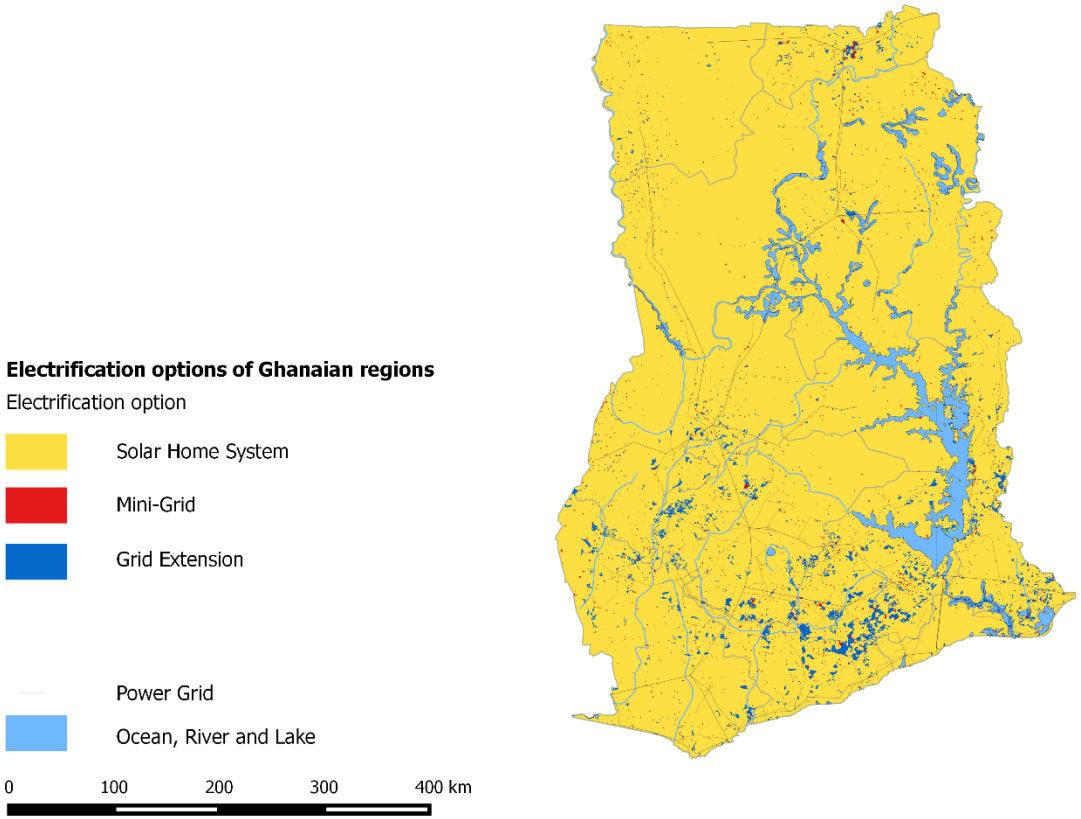


Electrification option in all Ghanaian regions: GridBuilt-SHSDom

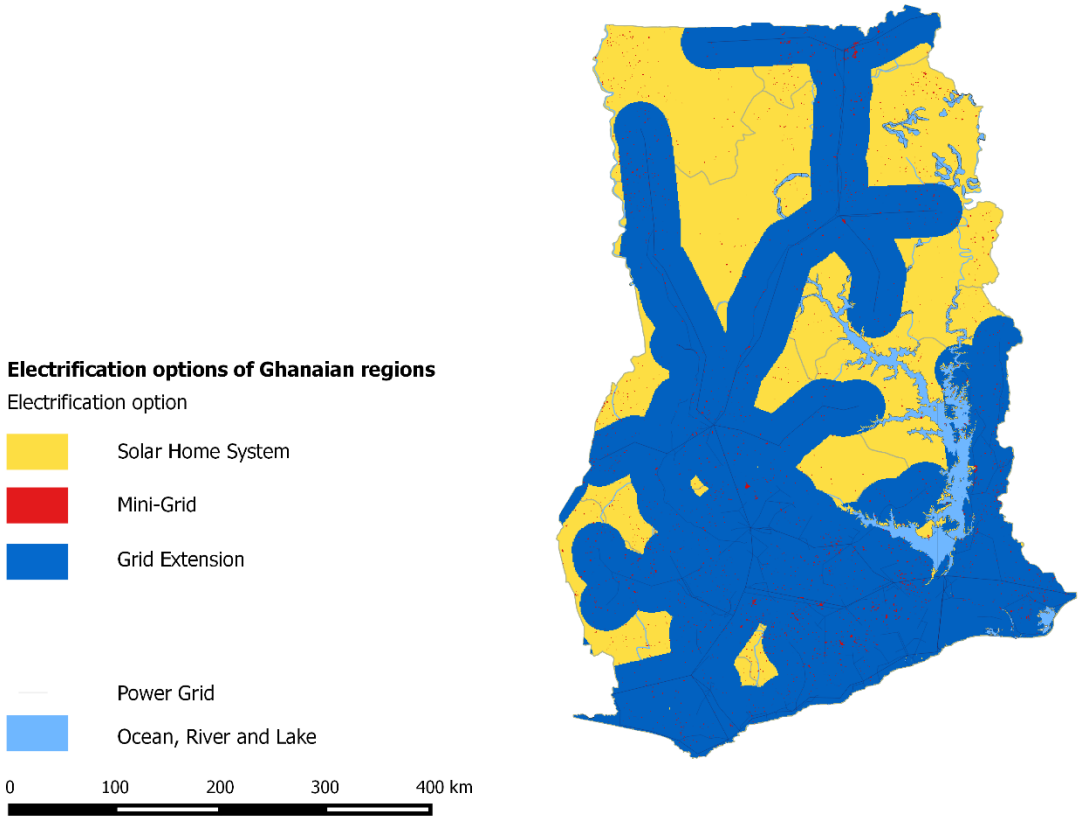




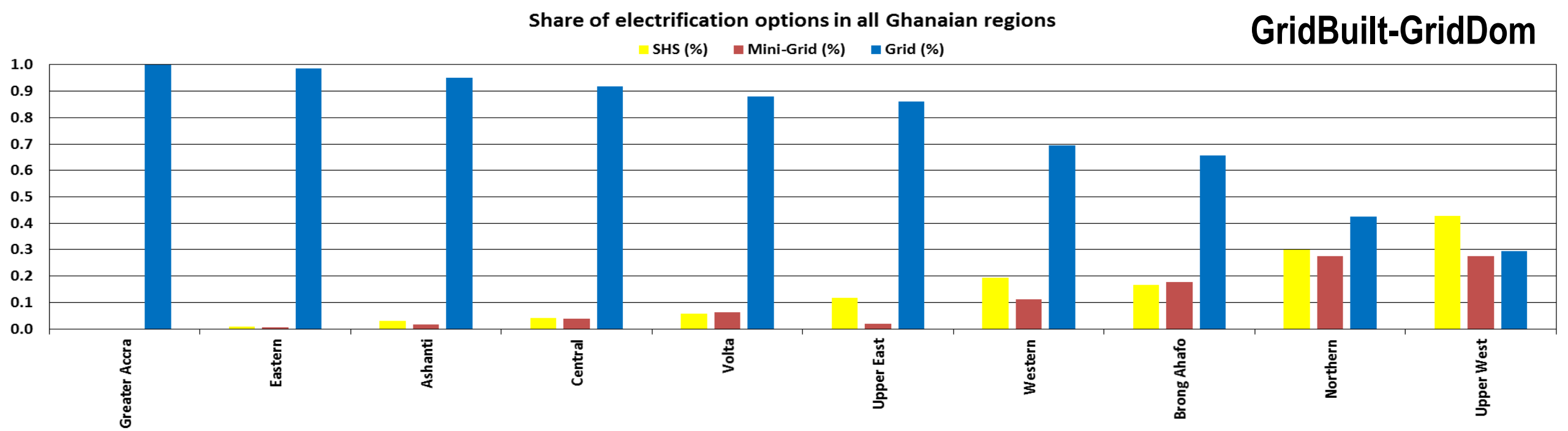
Electrification option: GridBuilt-SHSDom



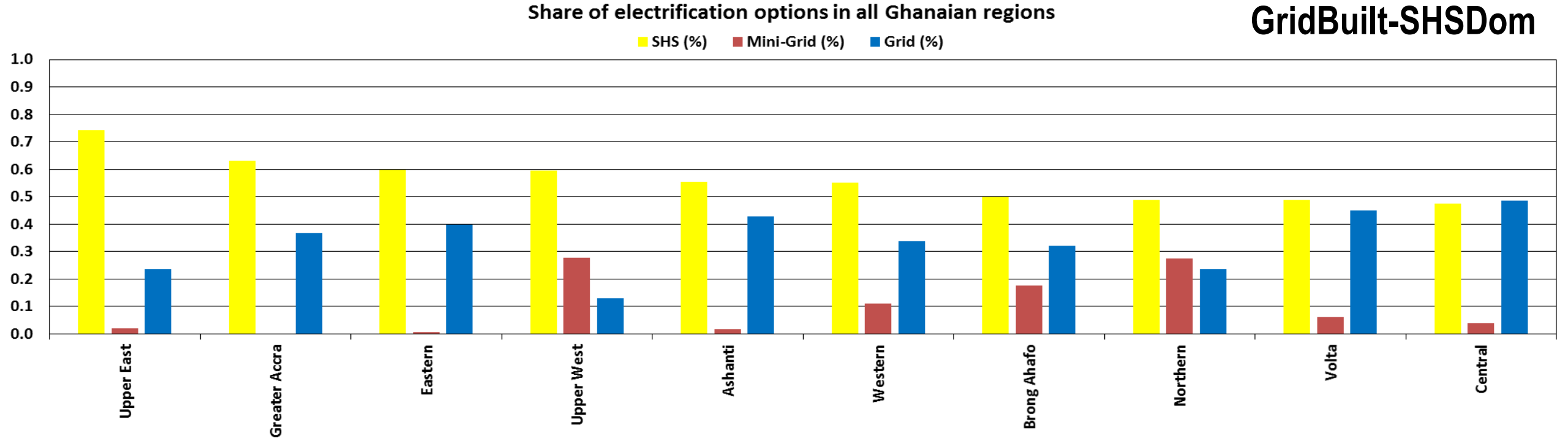
Electrification option: GridBuilt-GridDom



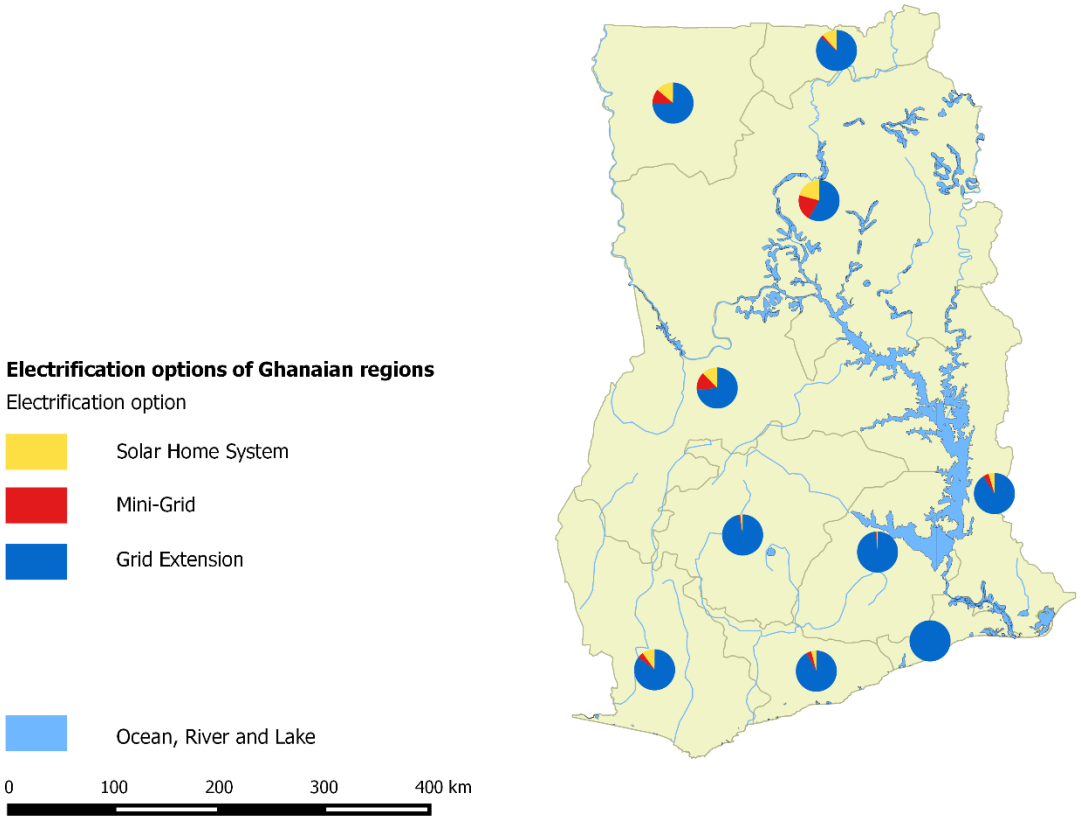
GridBuilt-GridDom

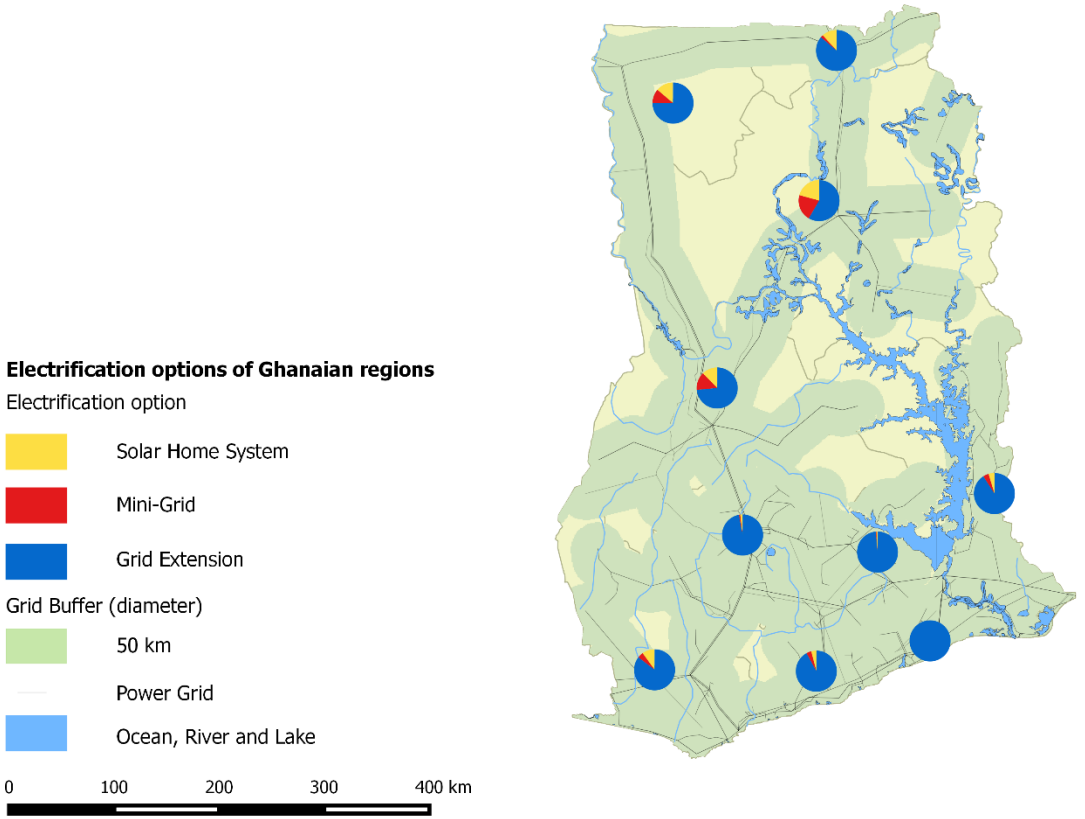


GridBuilt-SHSDom

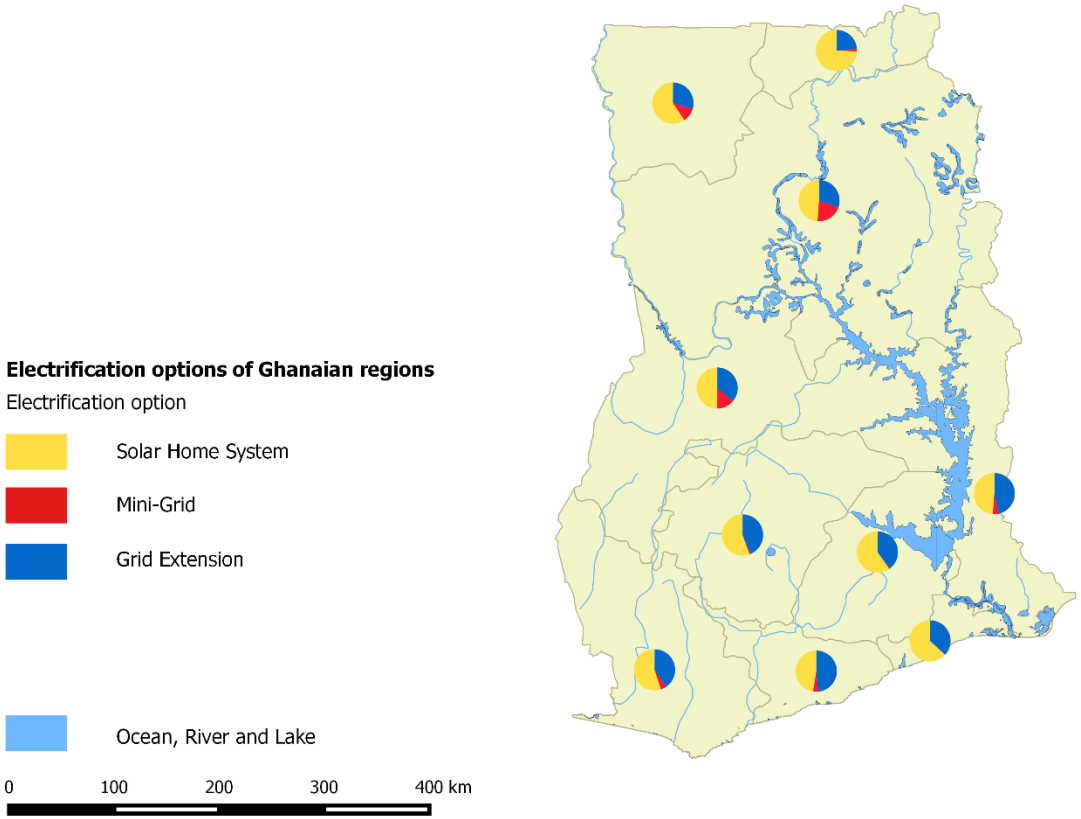


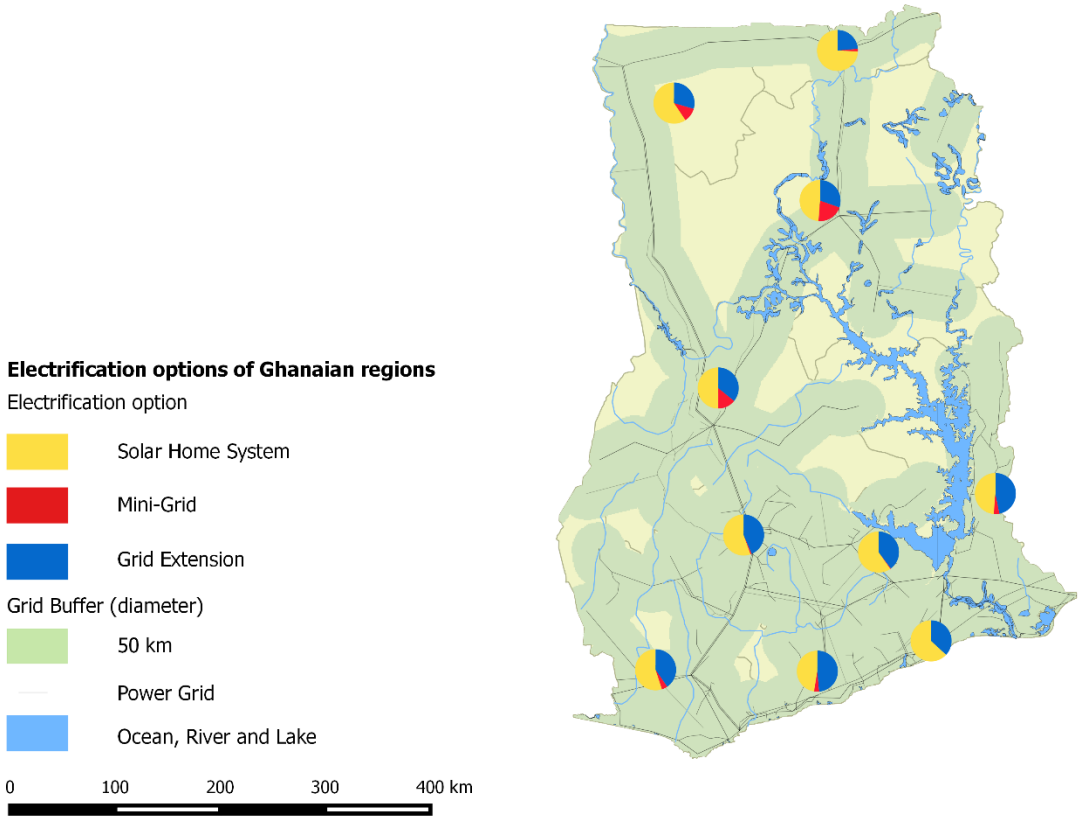
Electrification option in all Ghanaian regions: GridPlanned-GridDom



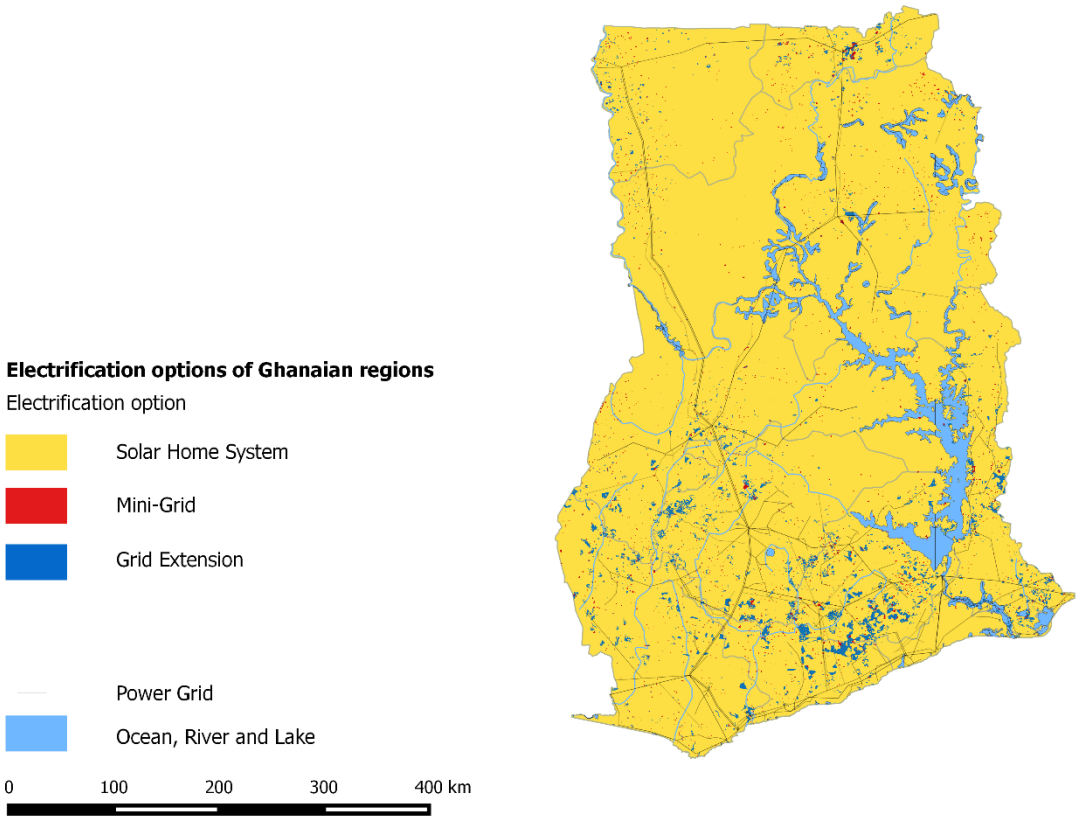


Electrification option in all Ghanaian regions: GridPlanned-SHSDom

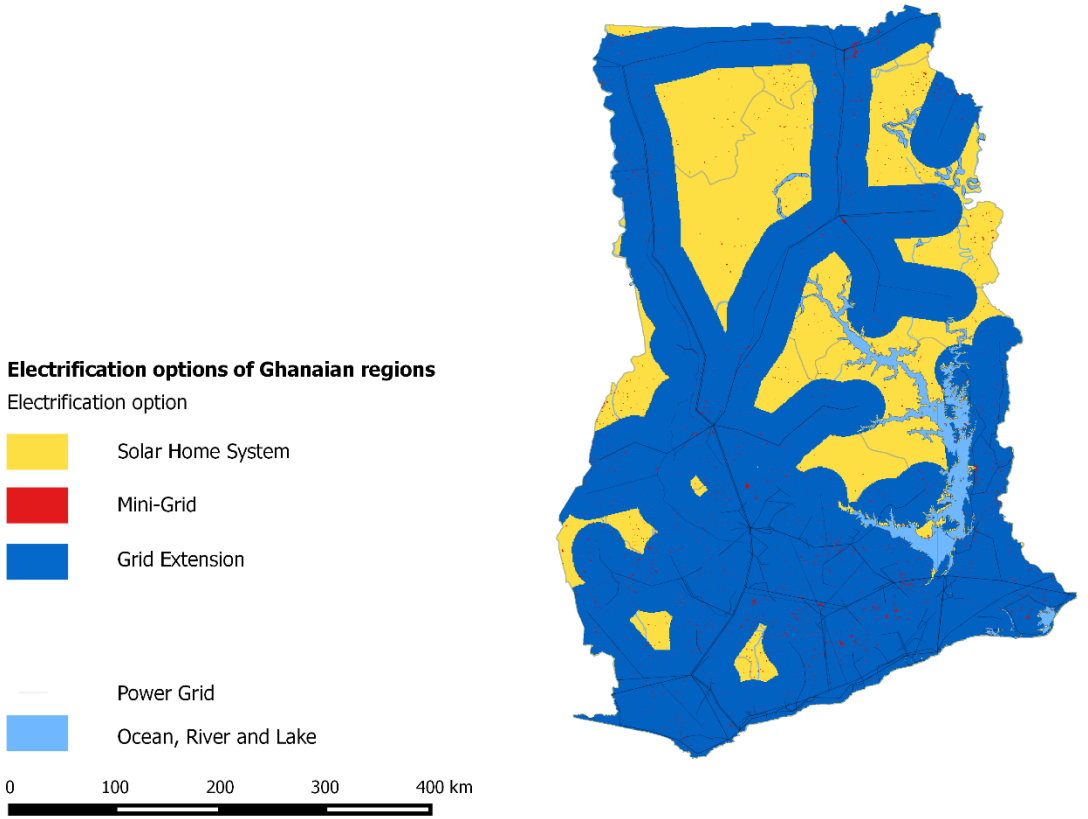




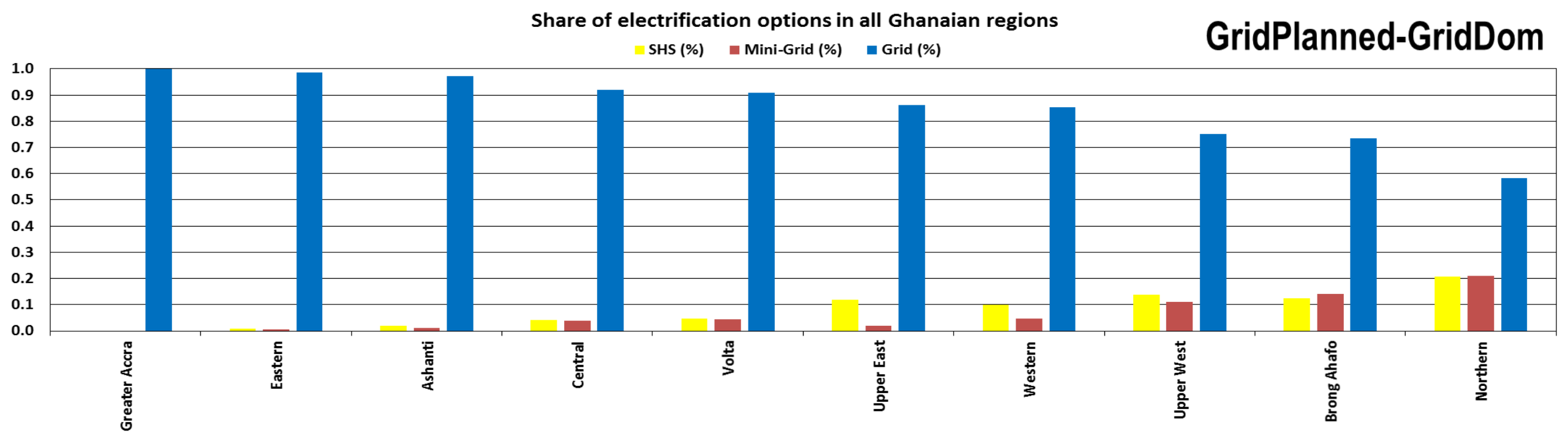
Electrification option: GridPlanned-SHSDom



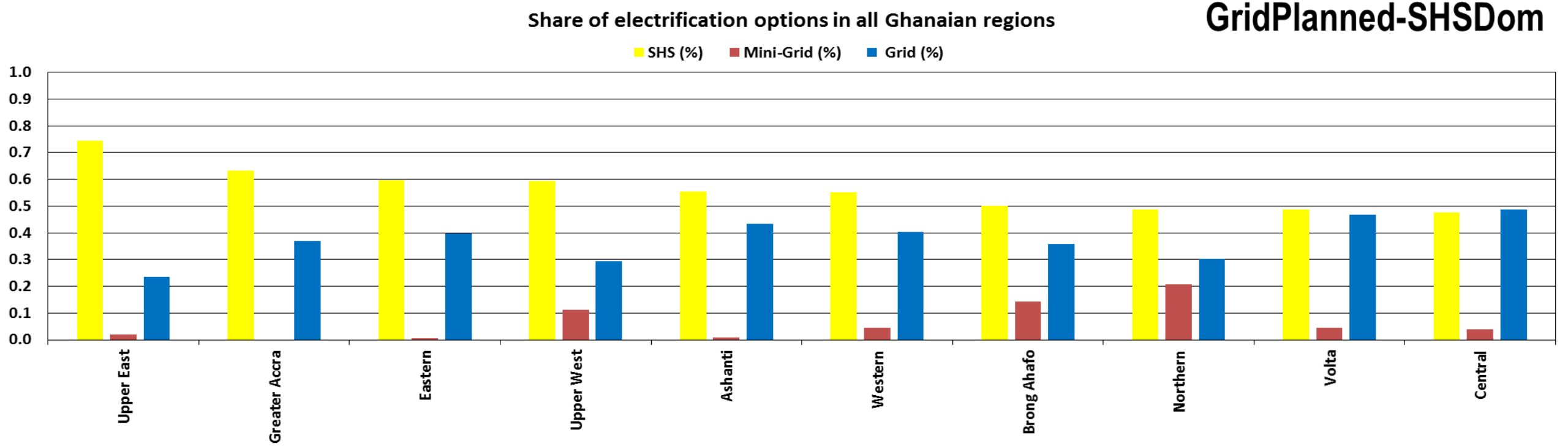
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom



GridPlanned-SHSDom



Guinea

Night light emission and Population of Guinean regions

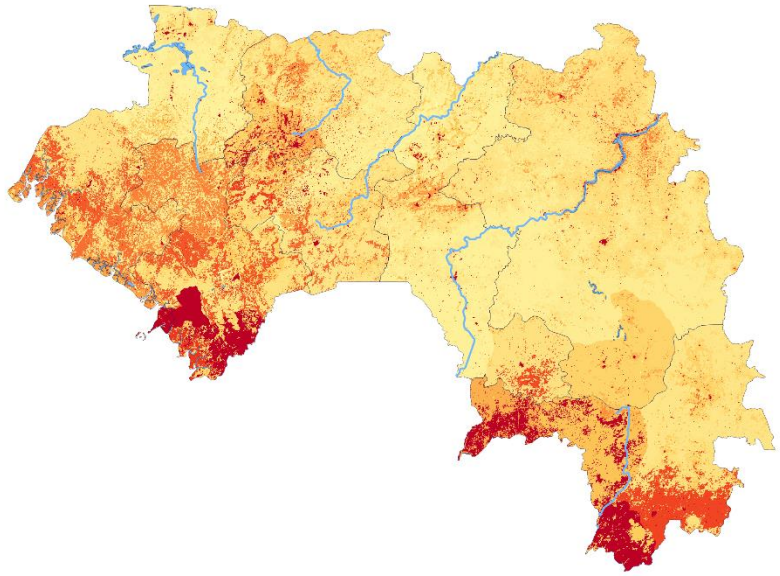
Night light emission in Guinea

Detected night lights

yes

no

0 100 200 300 400 km



Population structure of Guinea

Population density (people/750x750m^2)

0.0

0.2

0.4

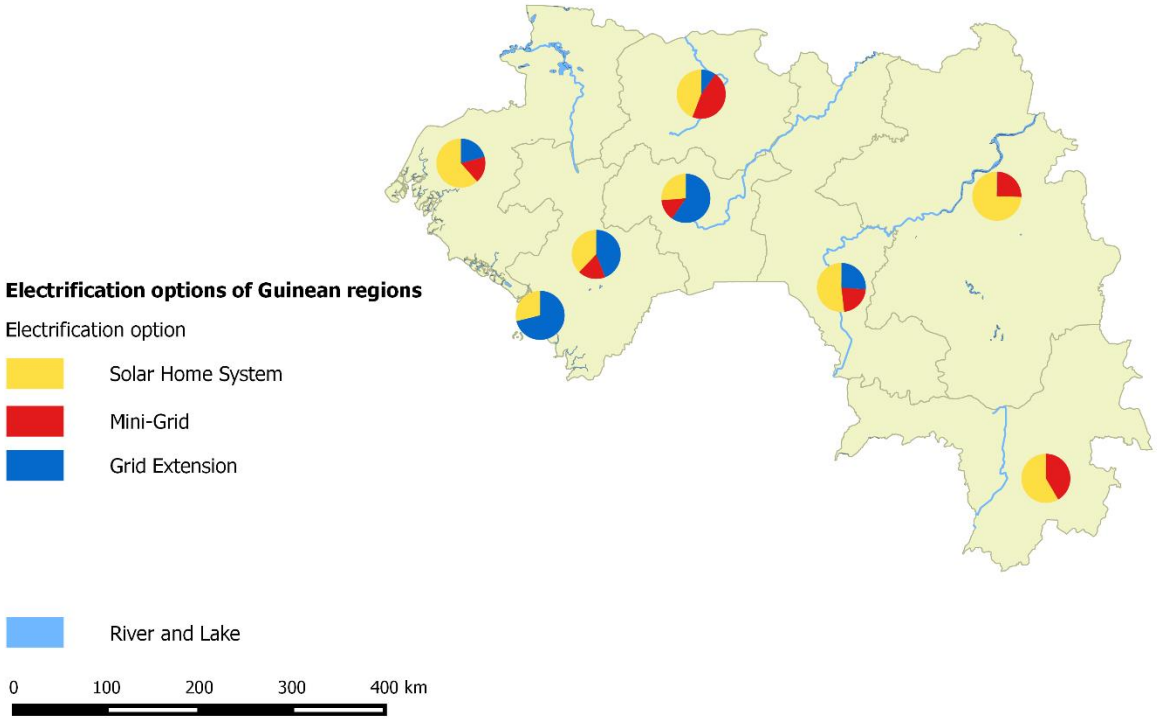
0.5

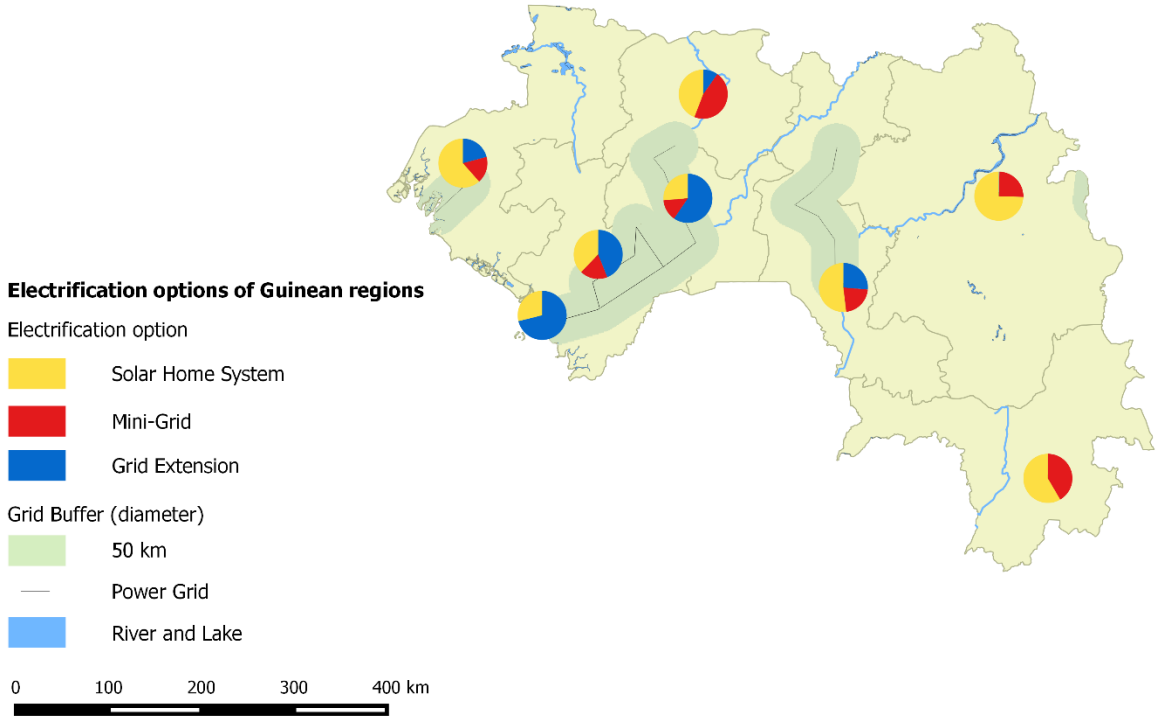
>0.7

River and Lake

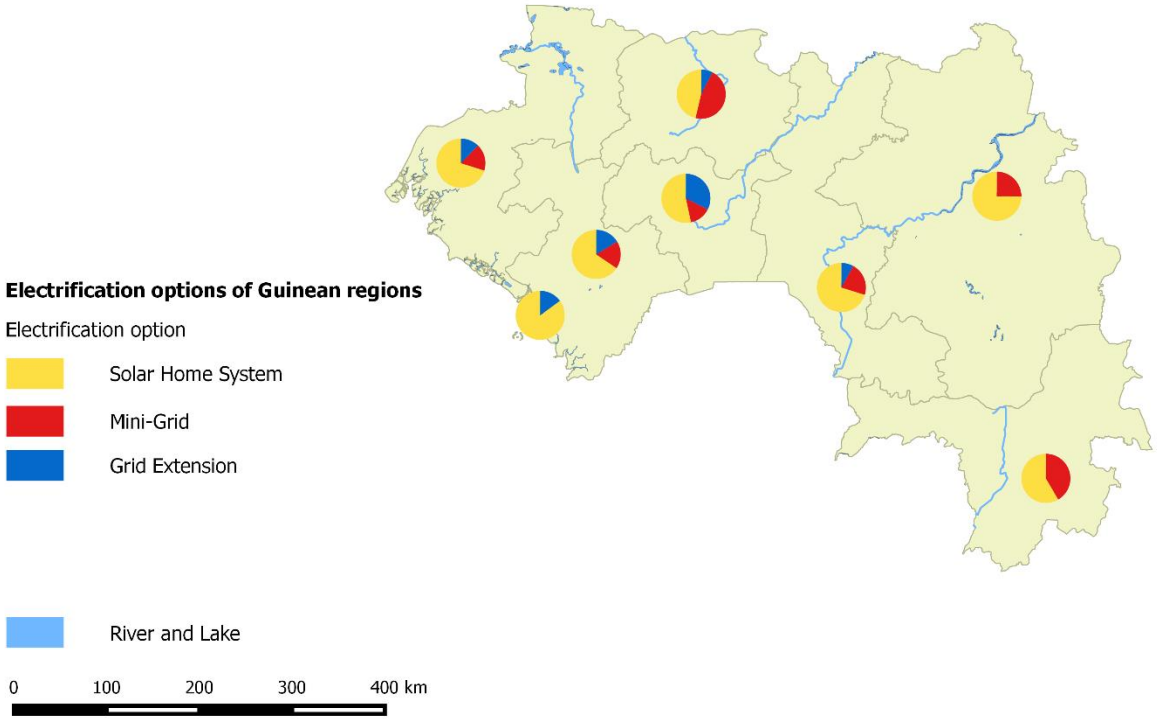
0 100 200 300 400 km

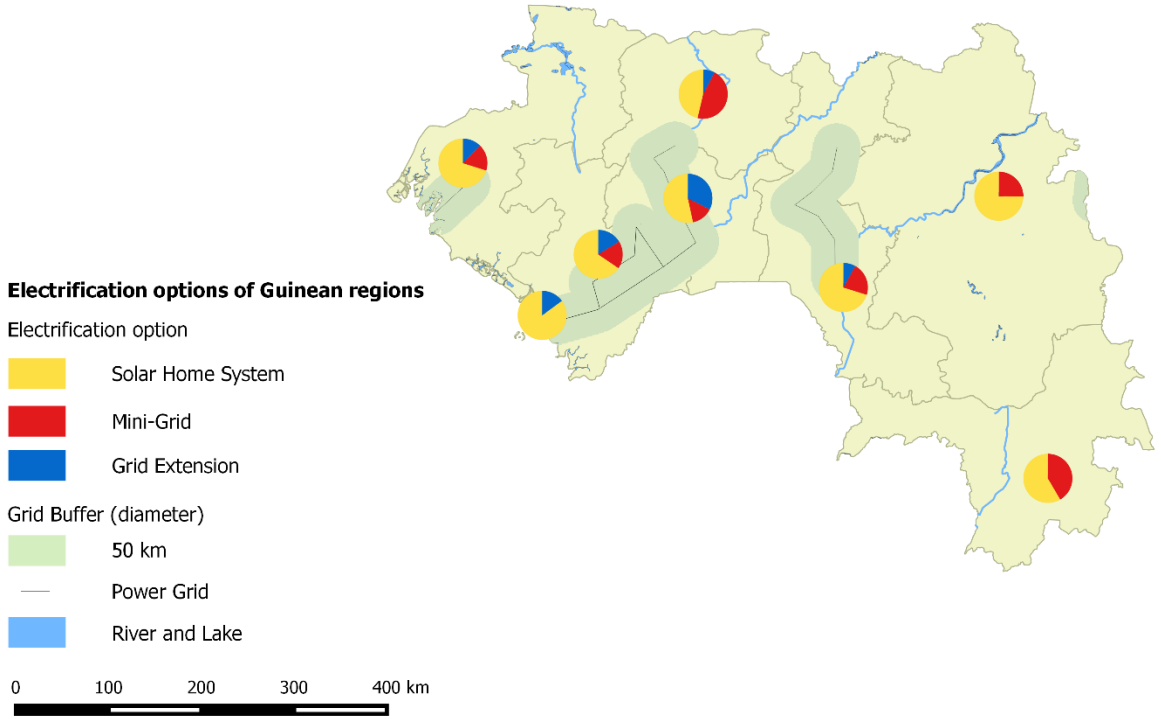
Electrification option in all Guinean regions: GridBuilt-GridDom



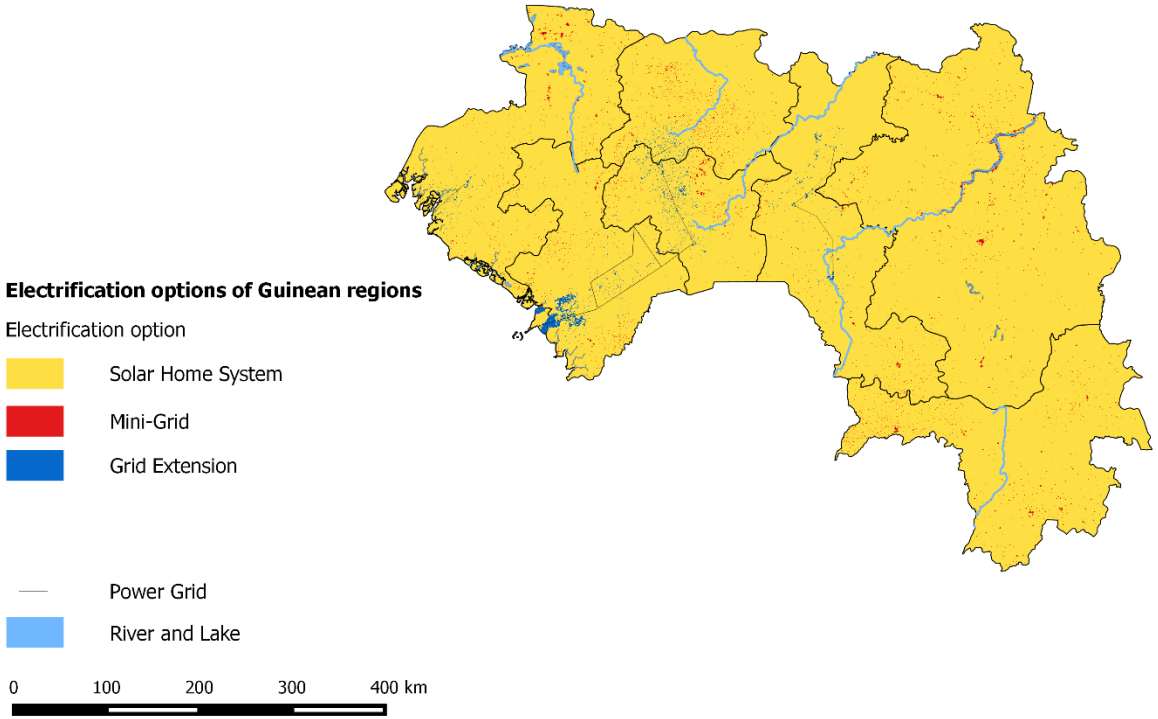


Electrification option in all Guinean regions: GridBuilt-SHSDom

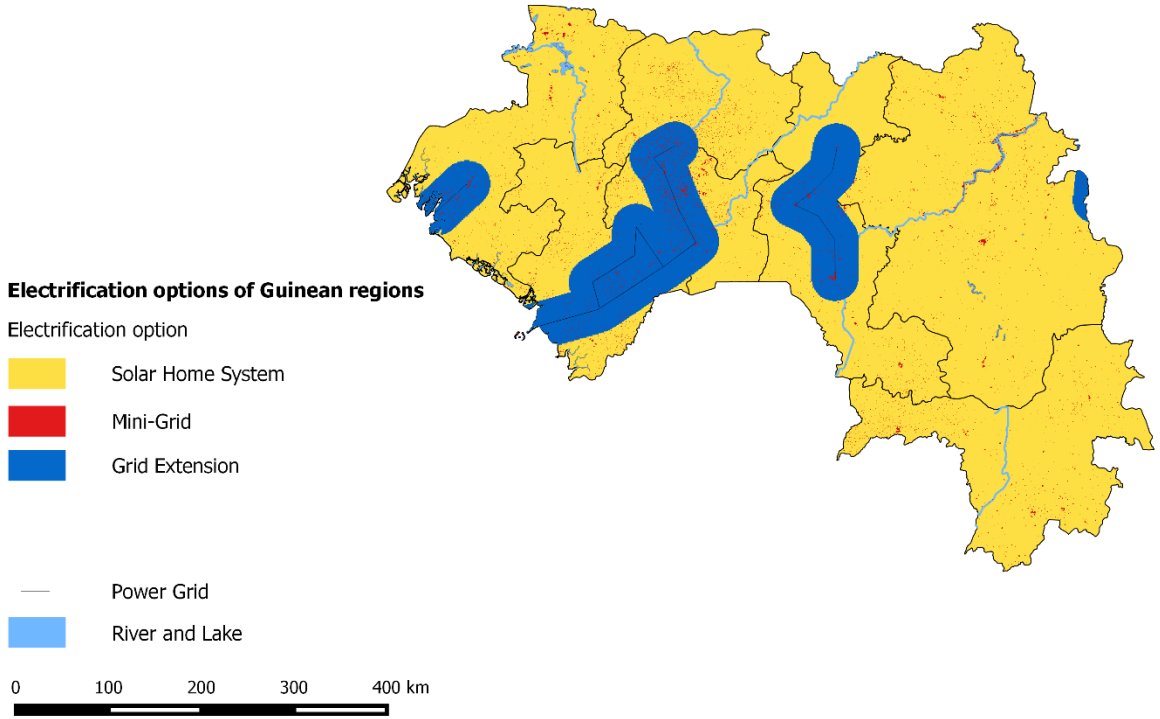




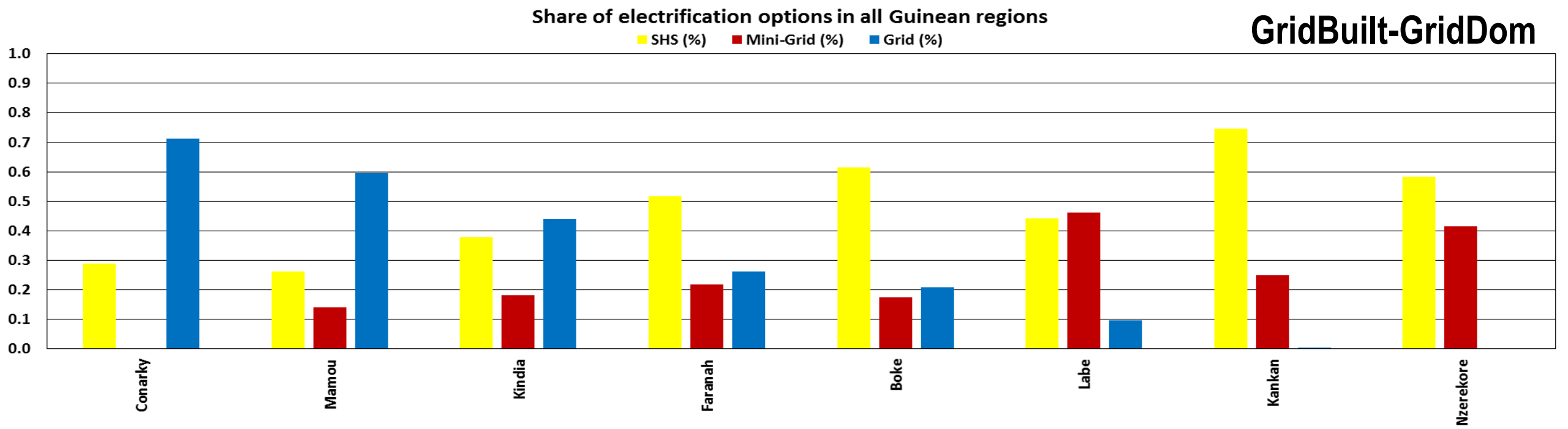
Electrification option: GridBuilt-SHSDom



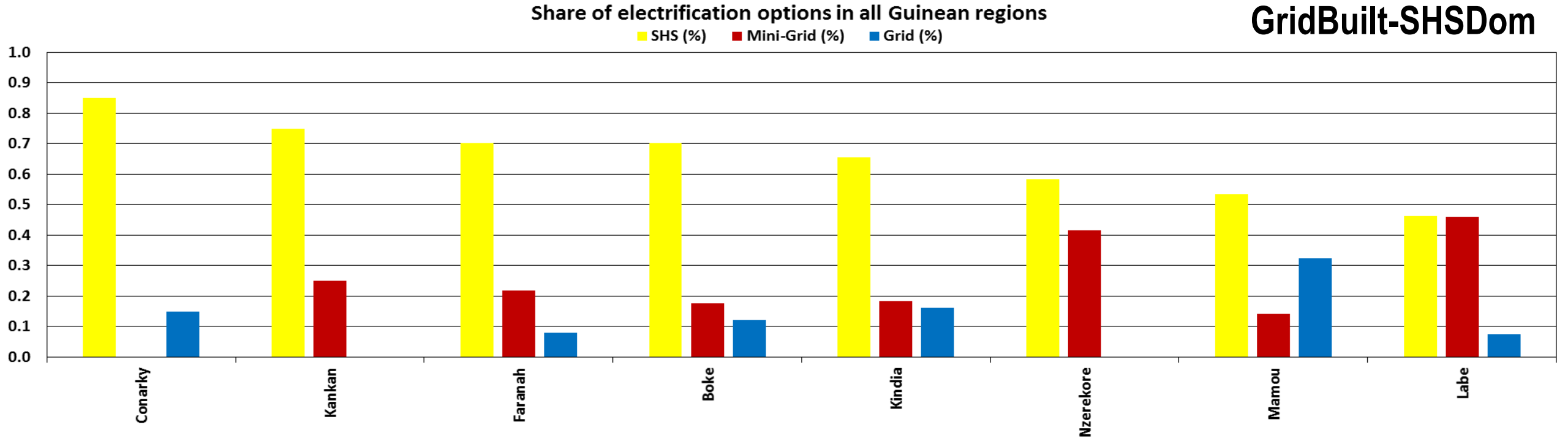
Electrification option: GridBuilt-GridDom



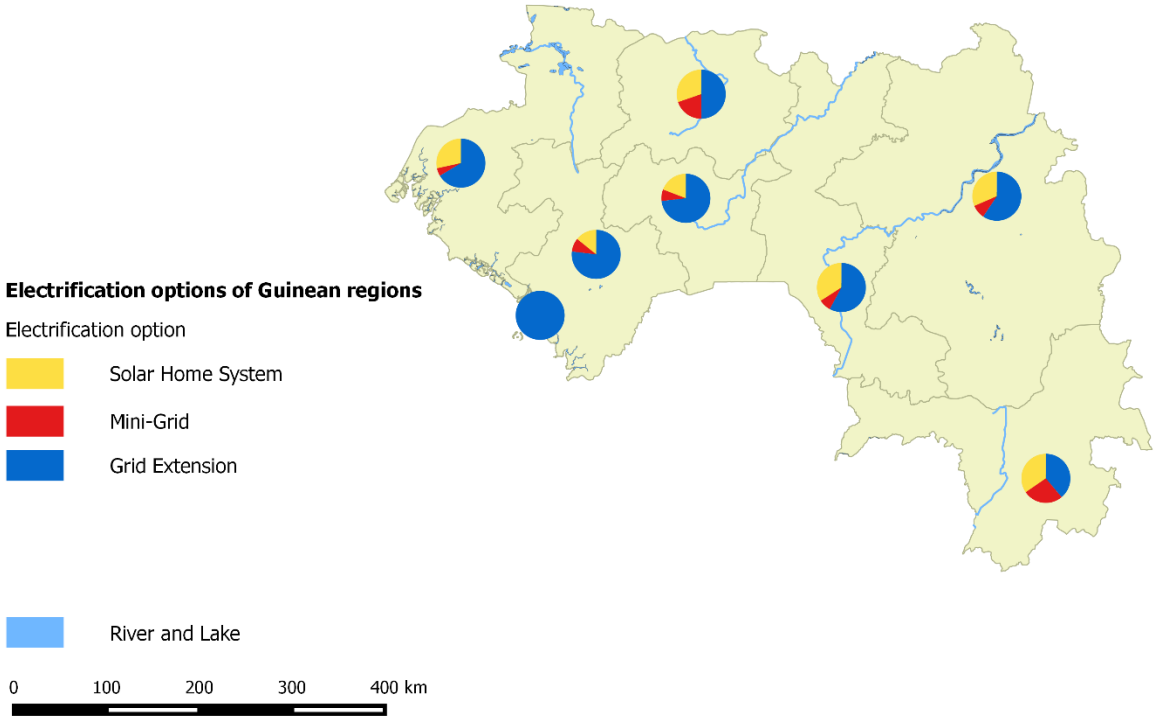
GridBuilt-GridDom

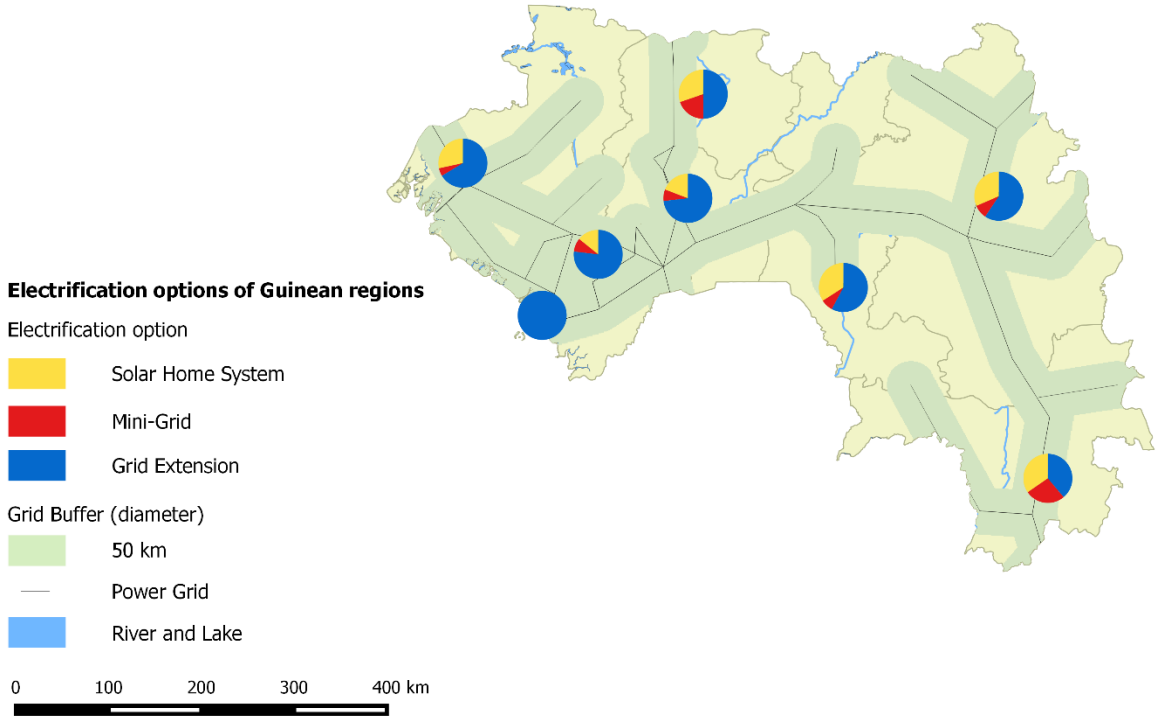


GridBuilt-SHSDom

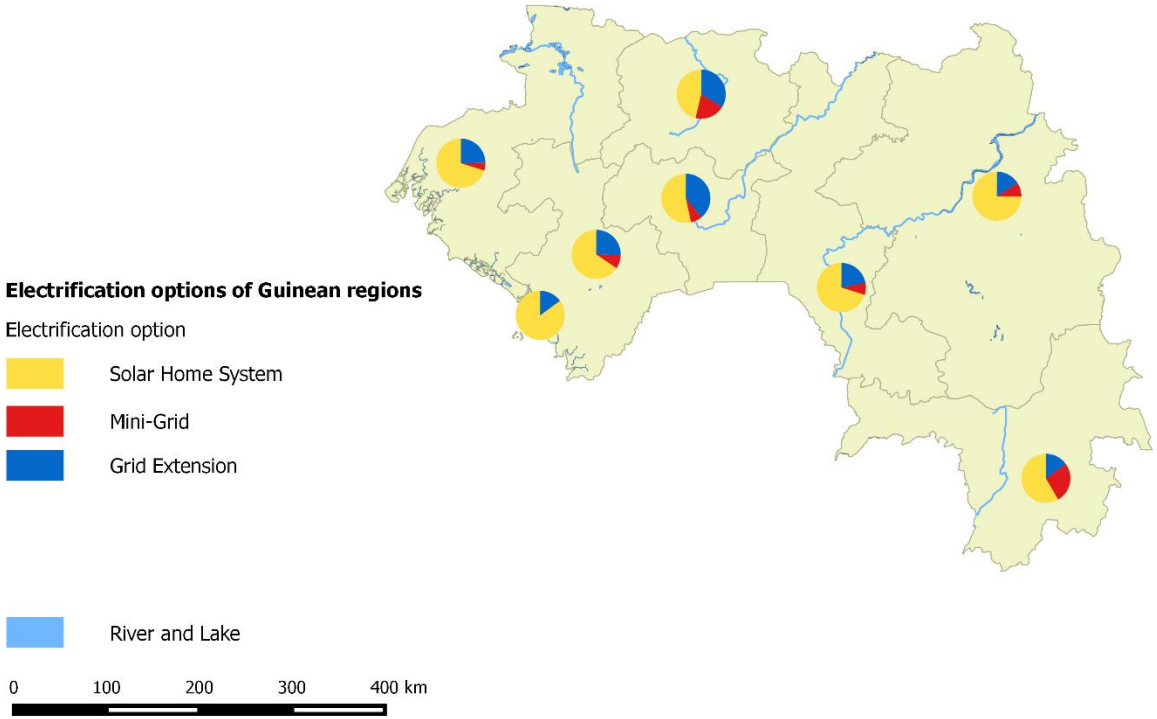


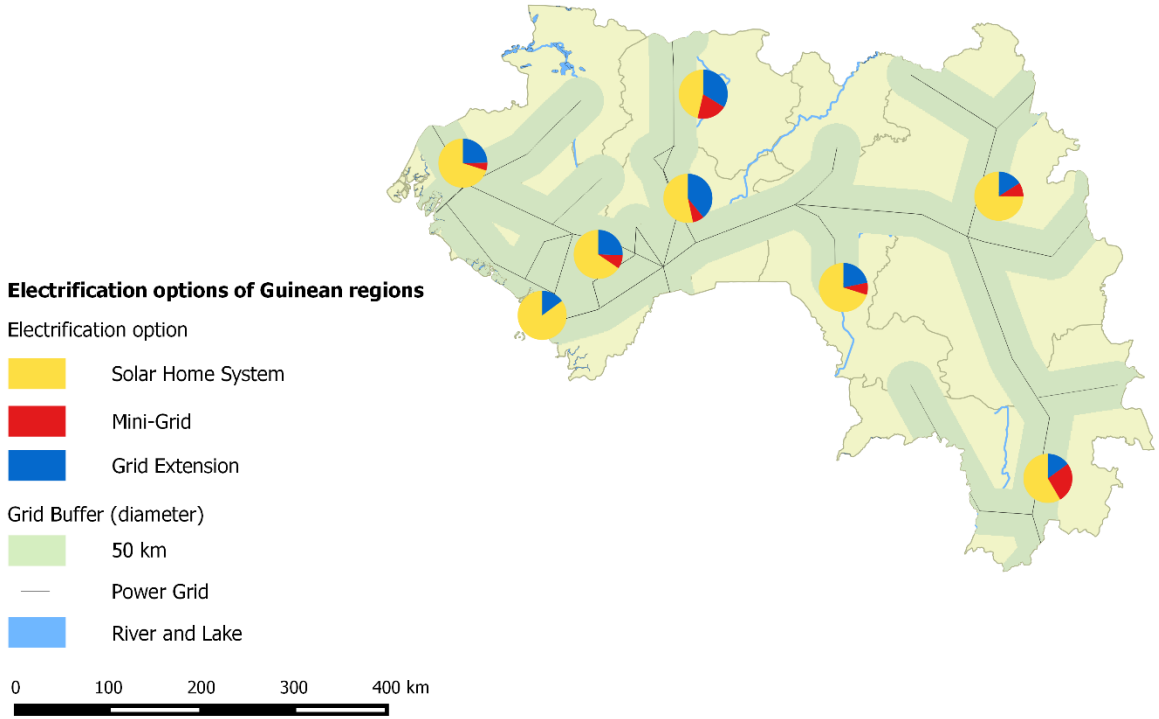
Electrification option in all Guinean regions: GridPlanned-GridDom



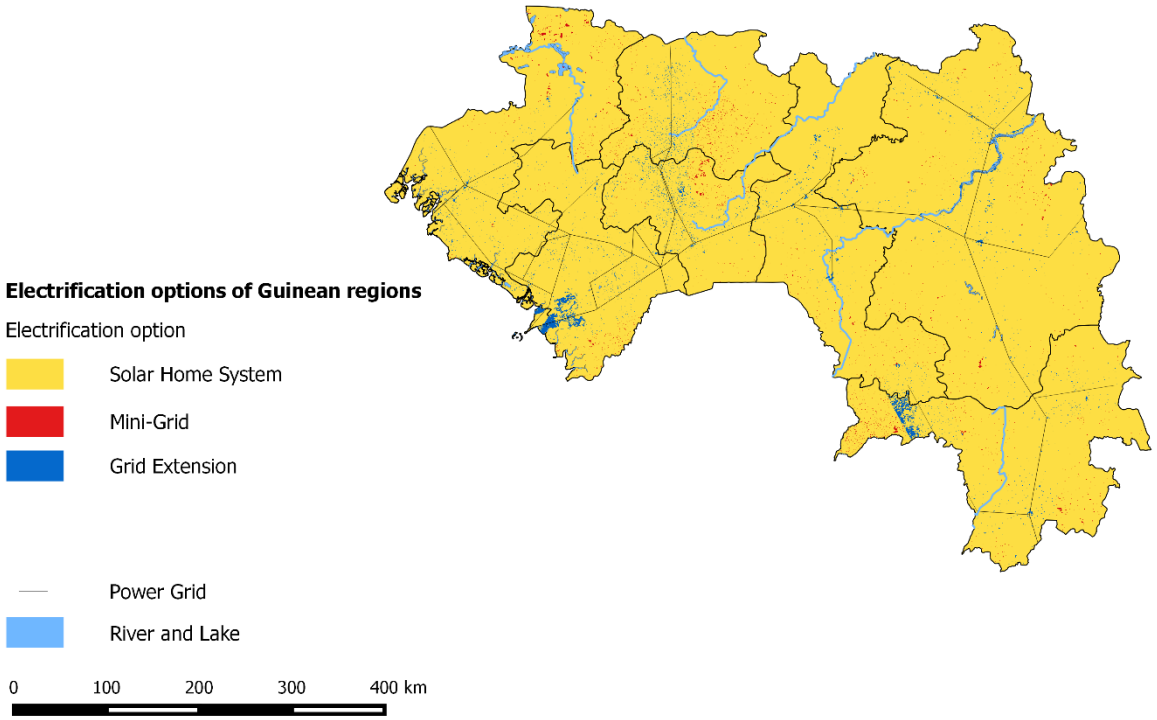


Electrification option in all Guinean regions: GridPlanned-SHSDom

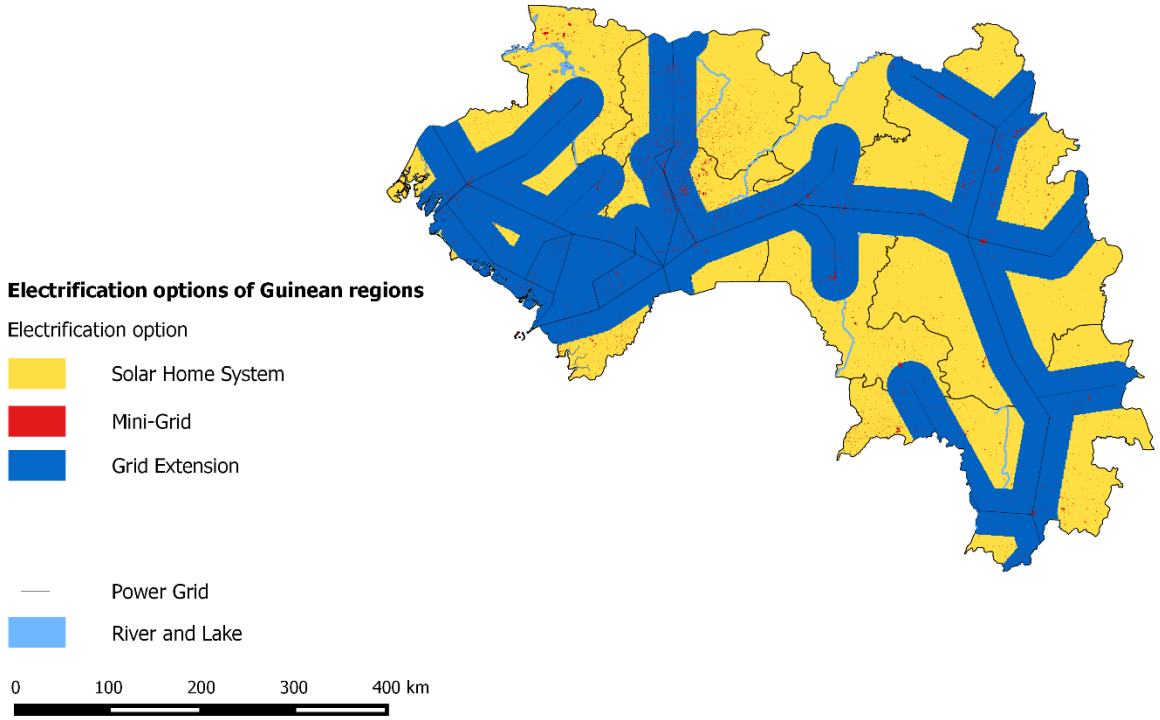




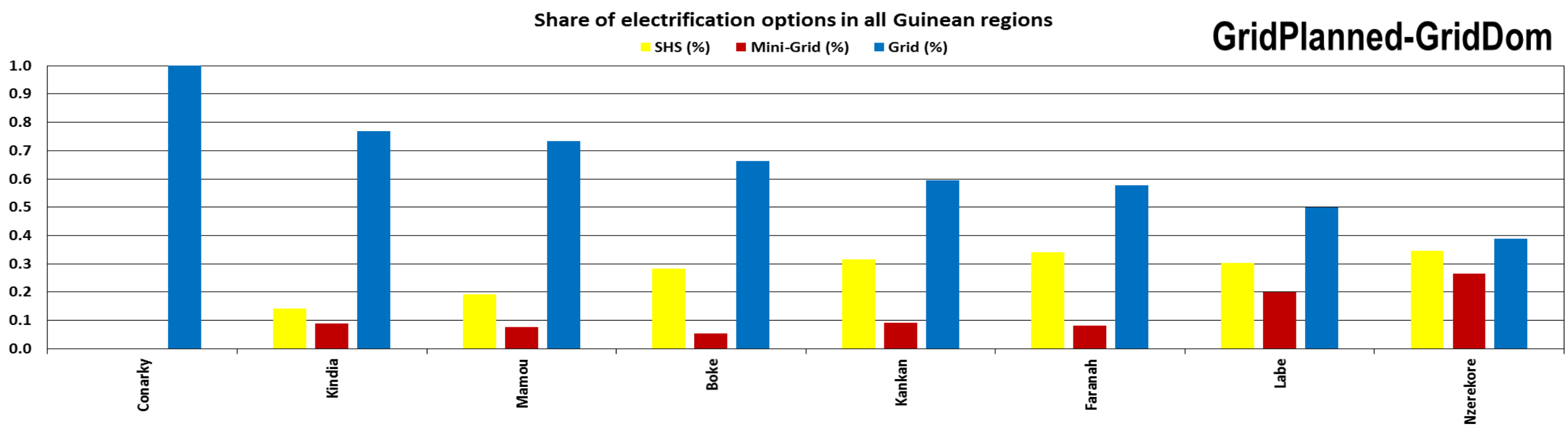
Electrification option: GridPlanned-SHSDom



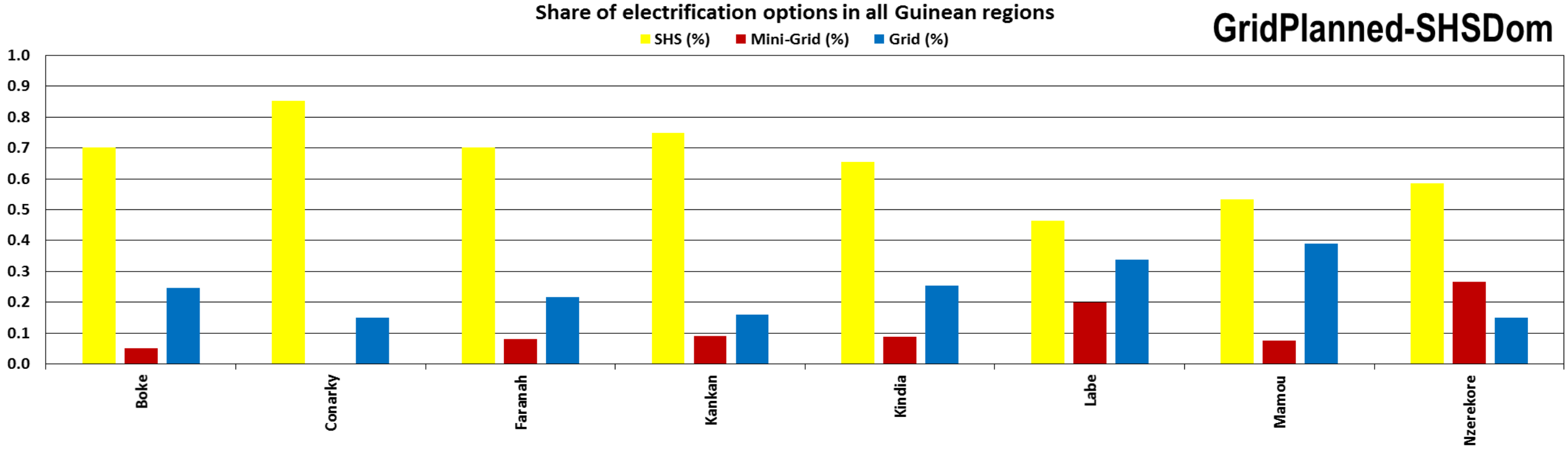
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom

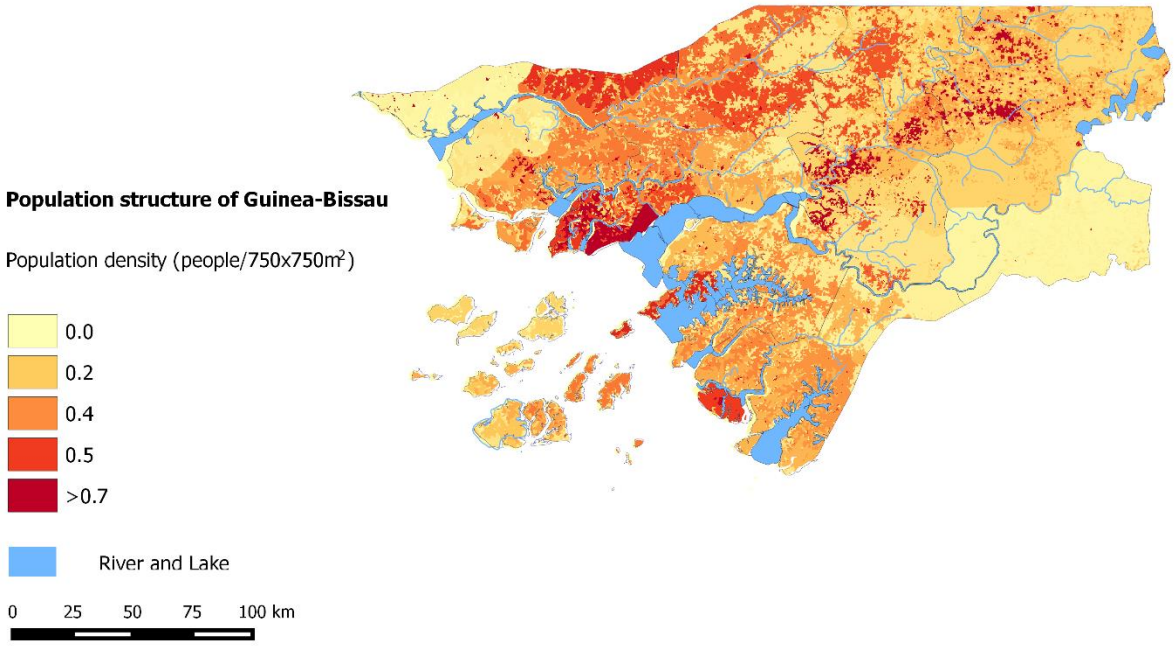


GridPlanned-SHSDom

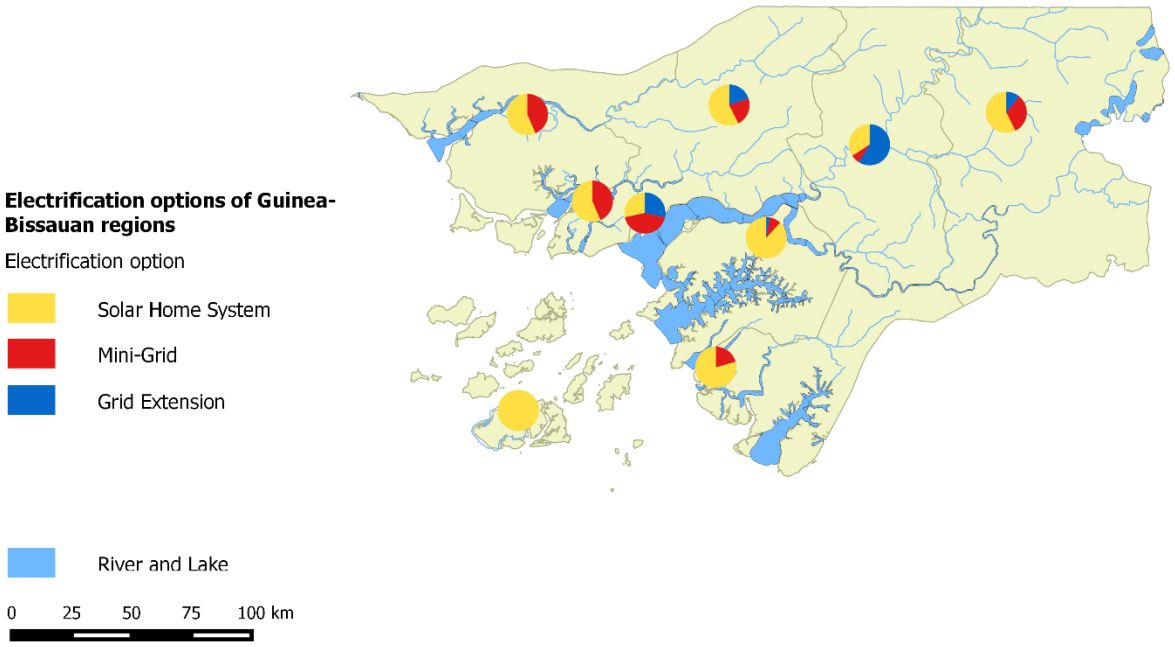


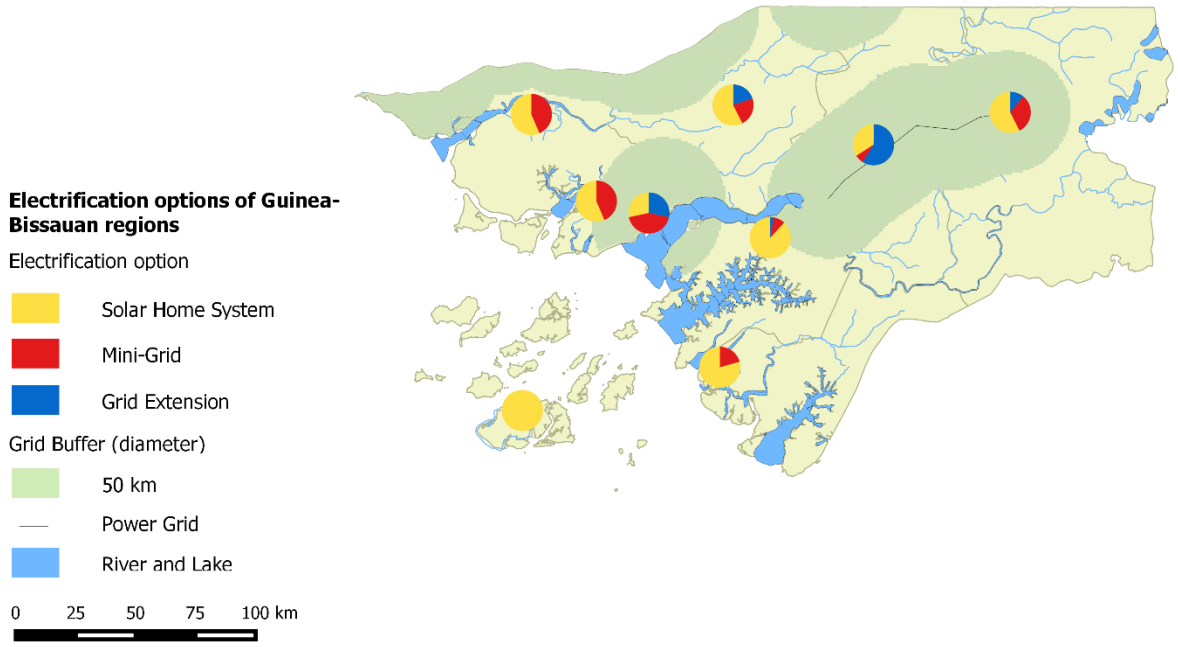
Guinea-Bissau

Night light emission and Population of Guinea-Bissauan regions

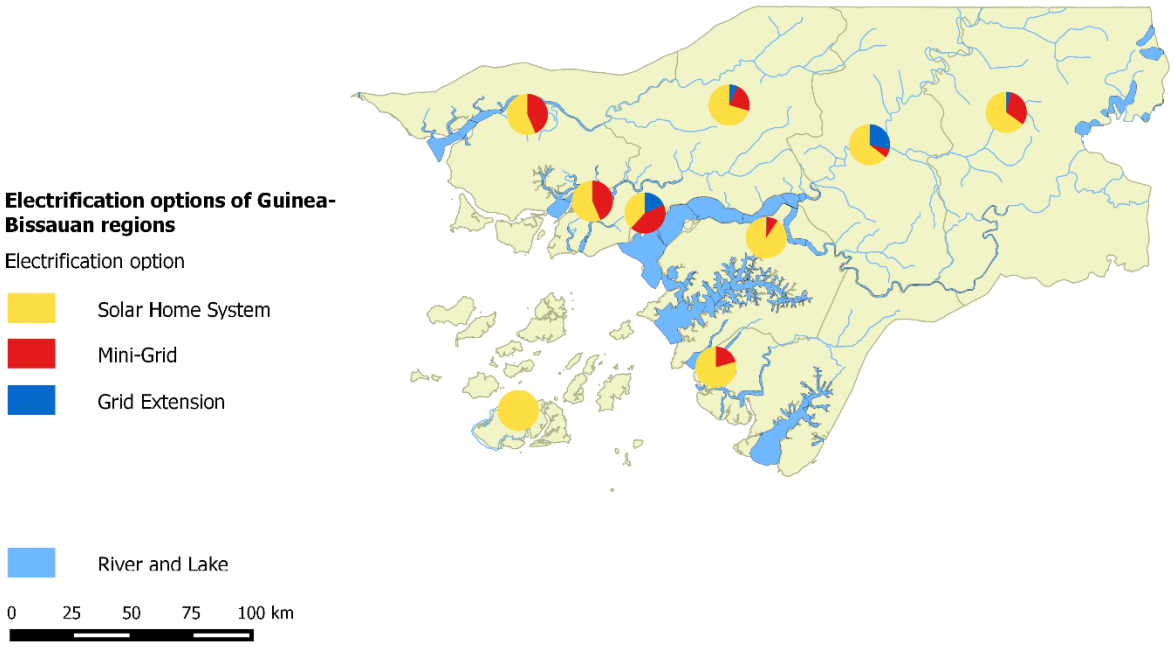


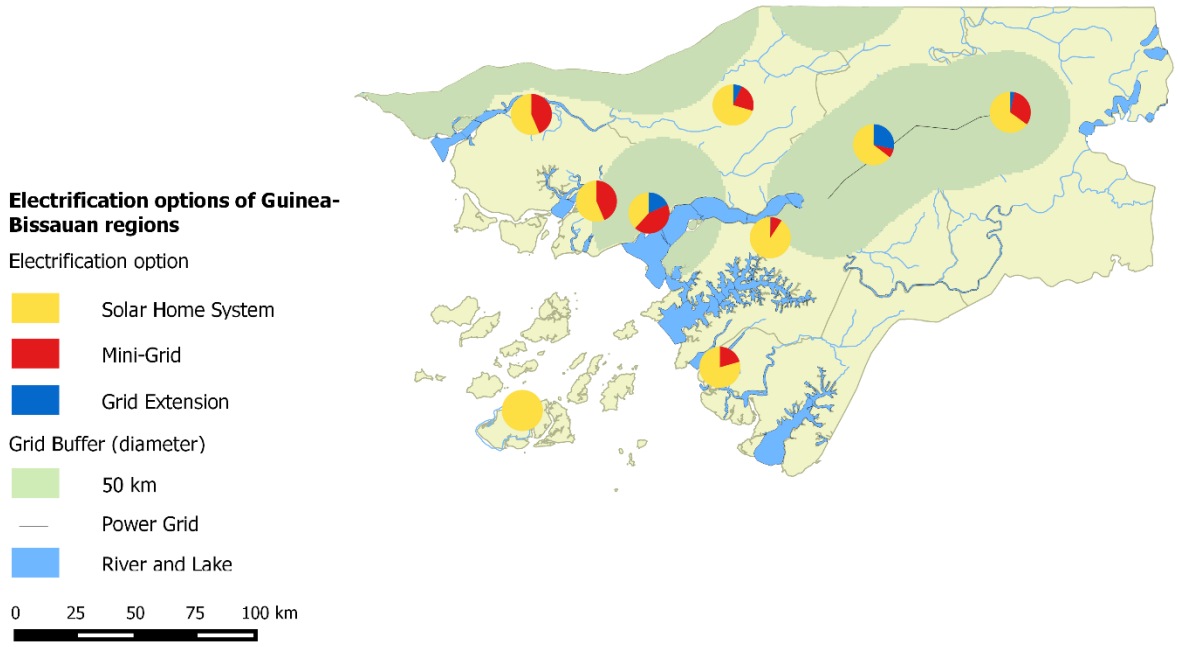
Electrification option in all Guinea-Bissauan regions: GridBuilt-GridDom



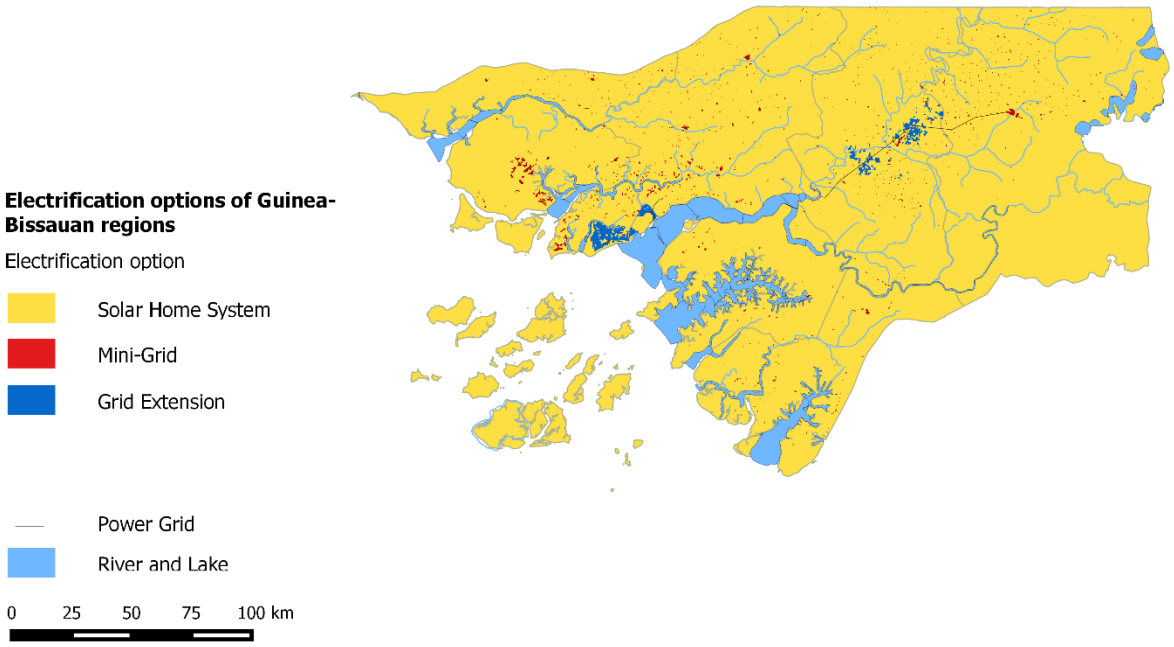


Electrification option in all Guinea-Bissauan regions: GridBuilt-SHSDom

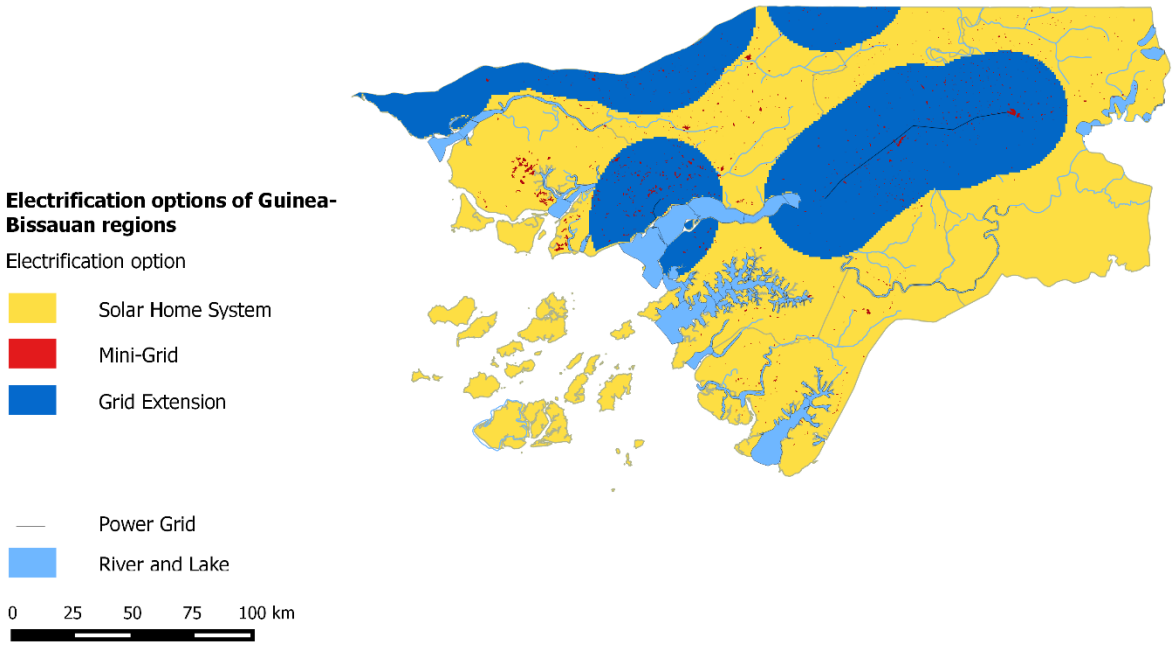




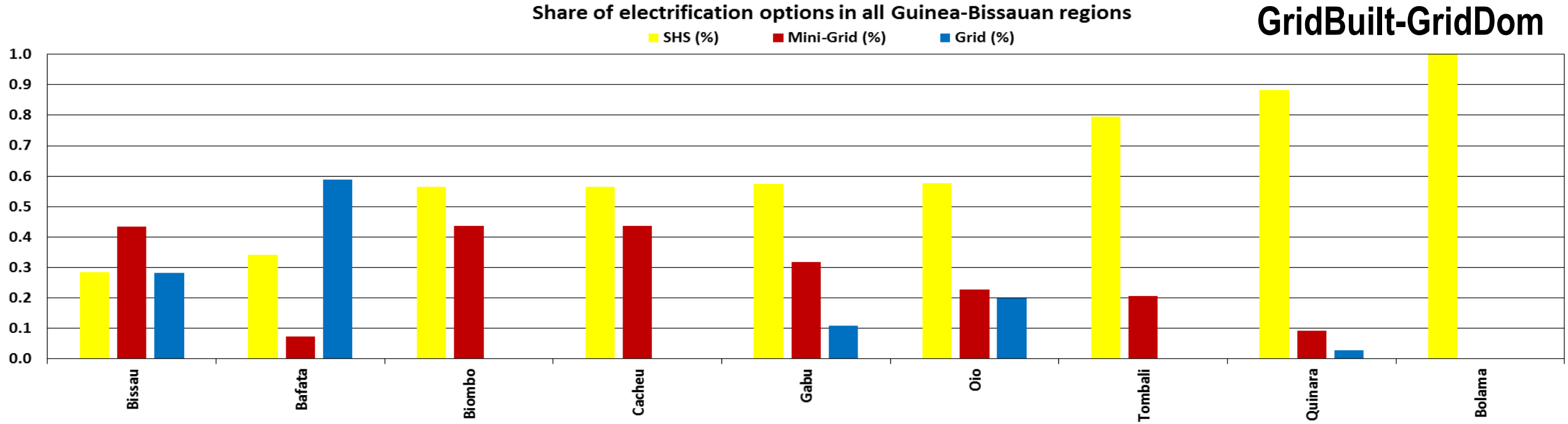
Electrification option: GridBuilt-SHSDom



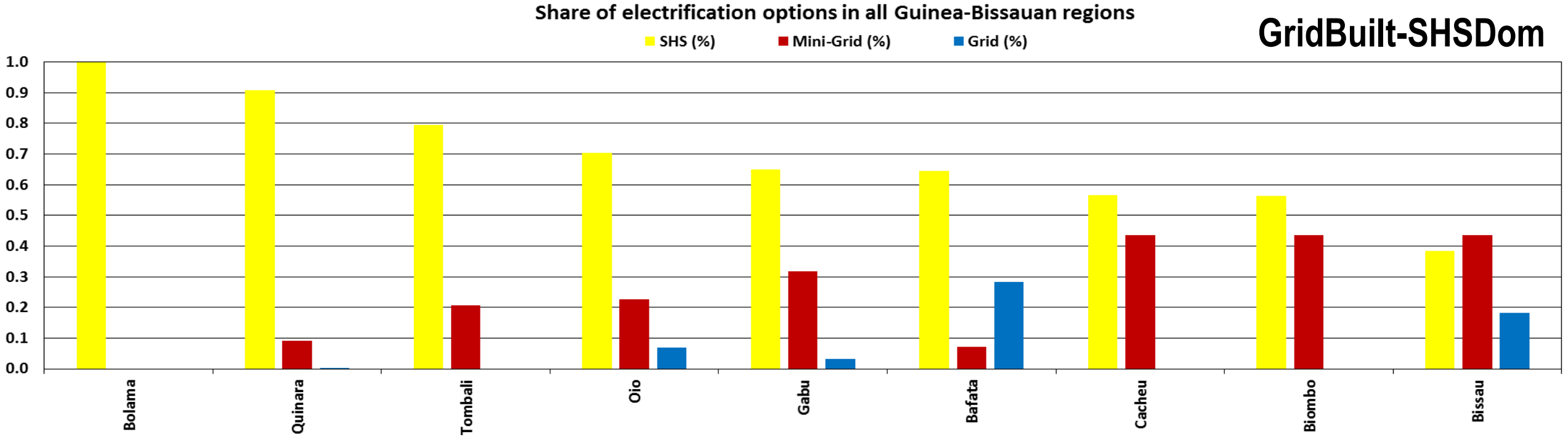
Electrification option: GridBuilt-GridDom



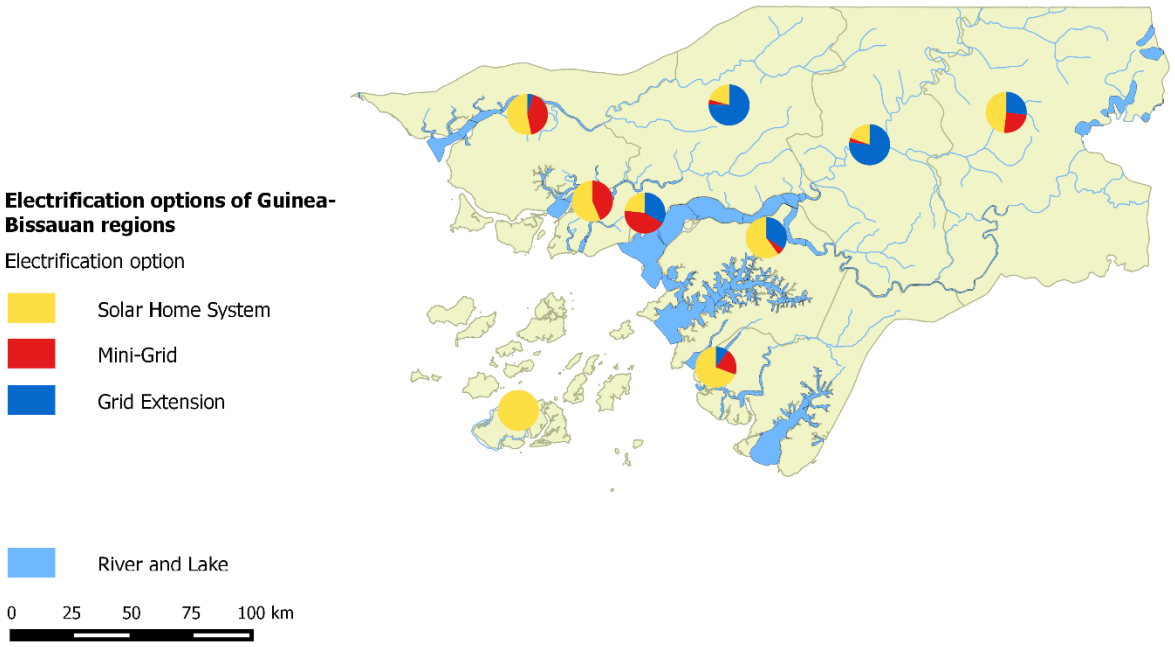
GridBuilt-GridDom

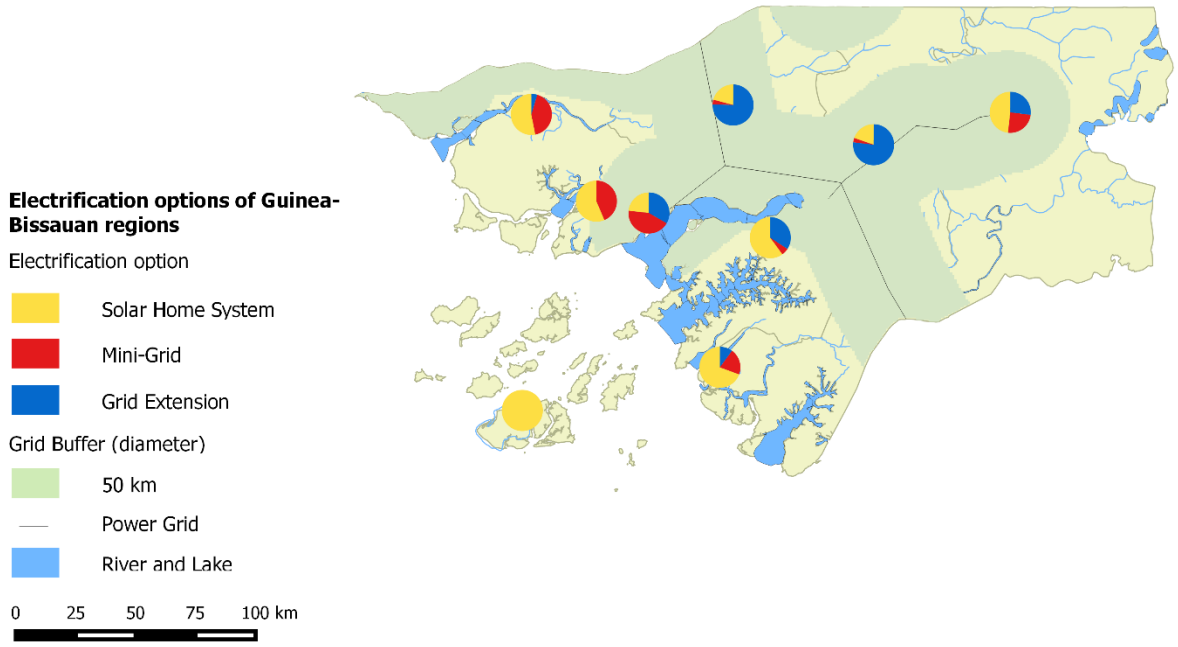


GridBuilt-SHSDom

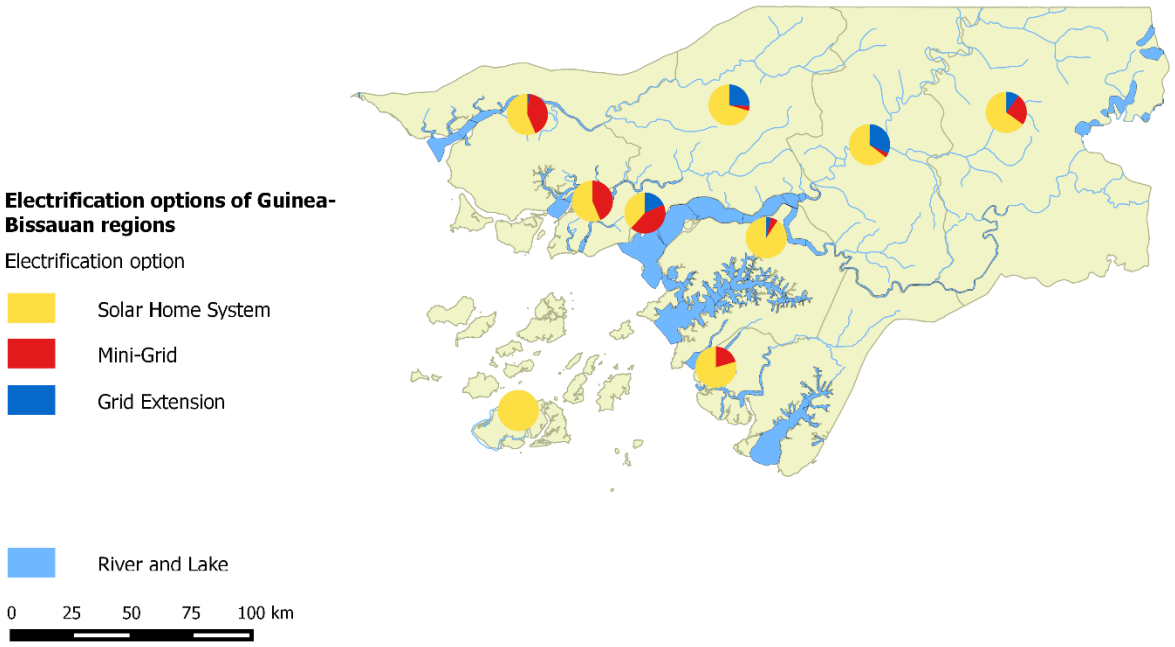


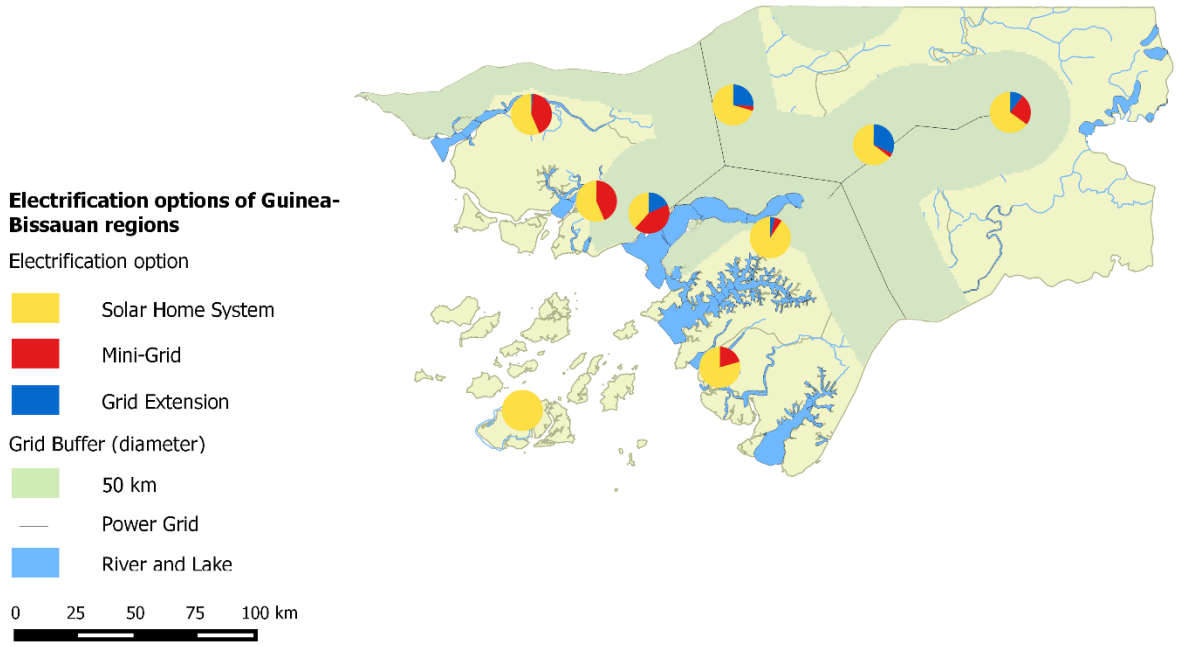
Electrification option in all Guinea-Bissauan regions: GridPlanned-GridDom



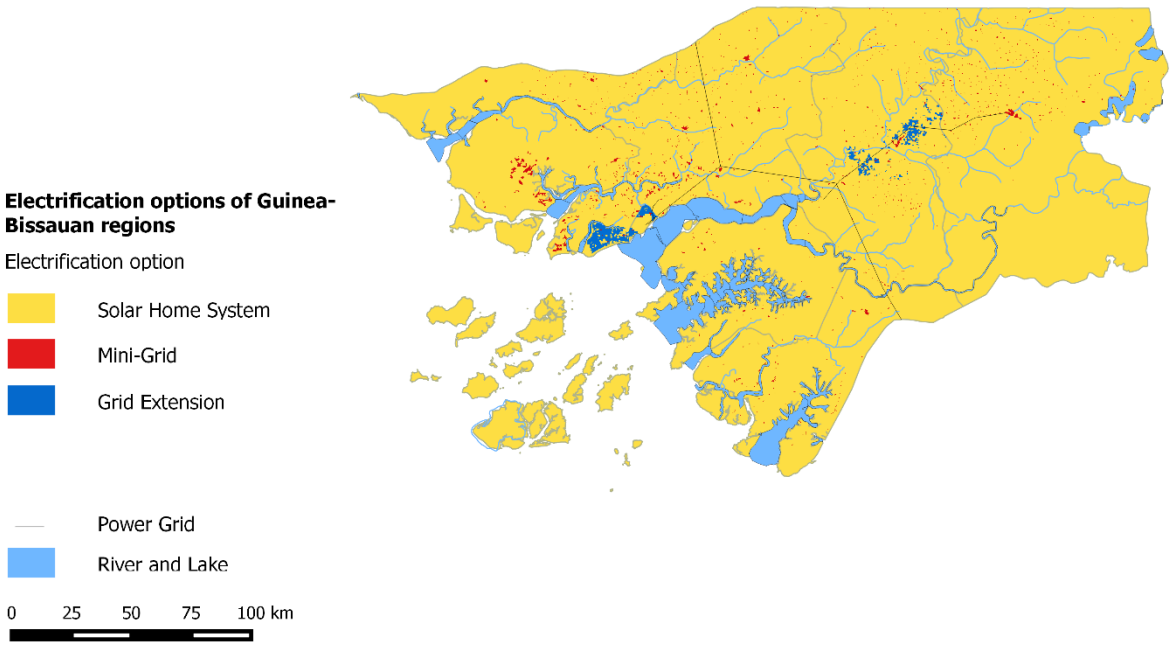


Electrification option in all Guinea-Bissauan regions: GridPlanned-SHSDom

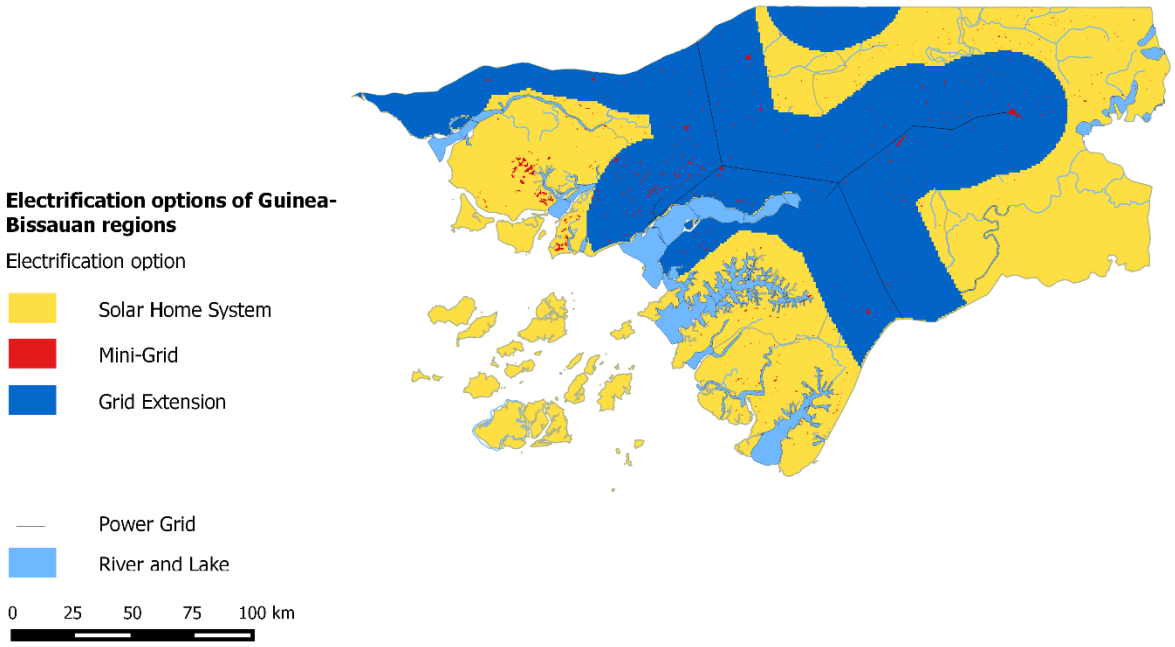




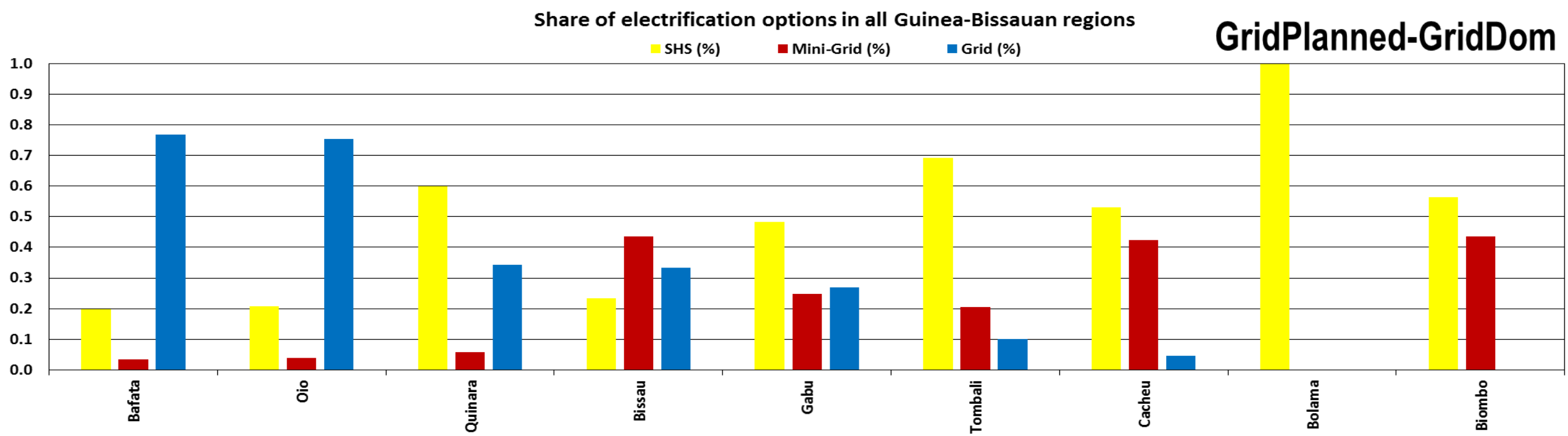
Electrification option: GridPlanned-SHSDom



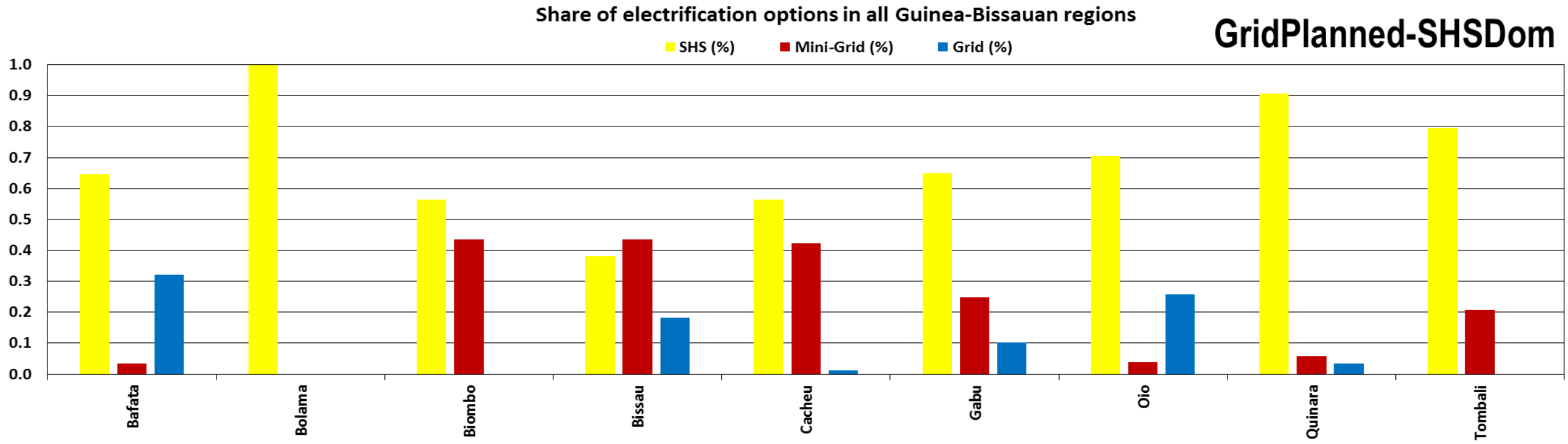
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom



GridPlanned-SHSDom



Liberia

Night light emission and Population of Liberian regions

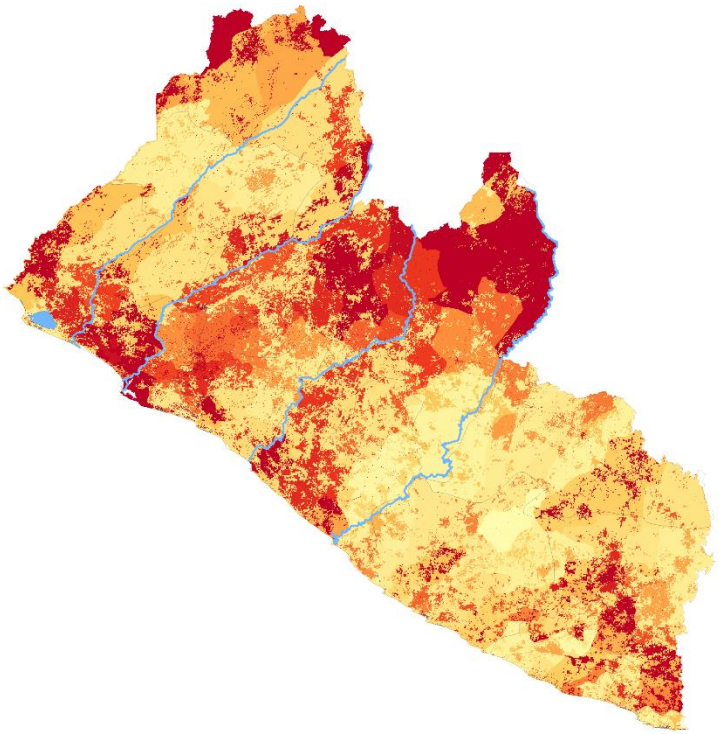
Night light emission in Liberia

Detected night lights

yes

no

0 50 100 150 200 km



Population structure of Liberia

Population density (people/750x750m^2)

0.0

0.1

0.2

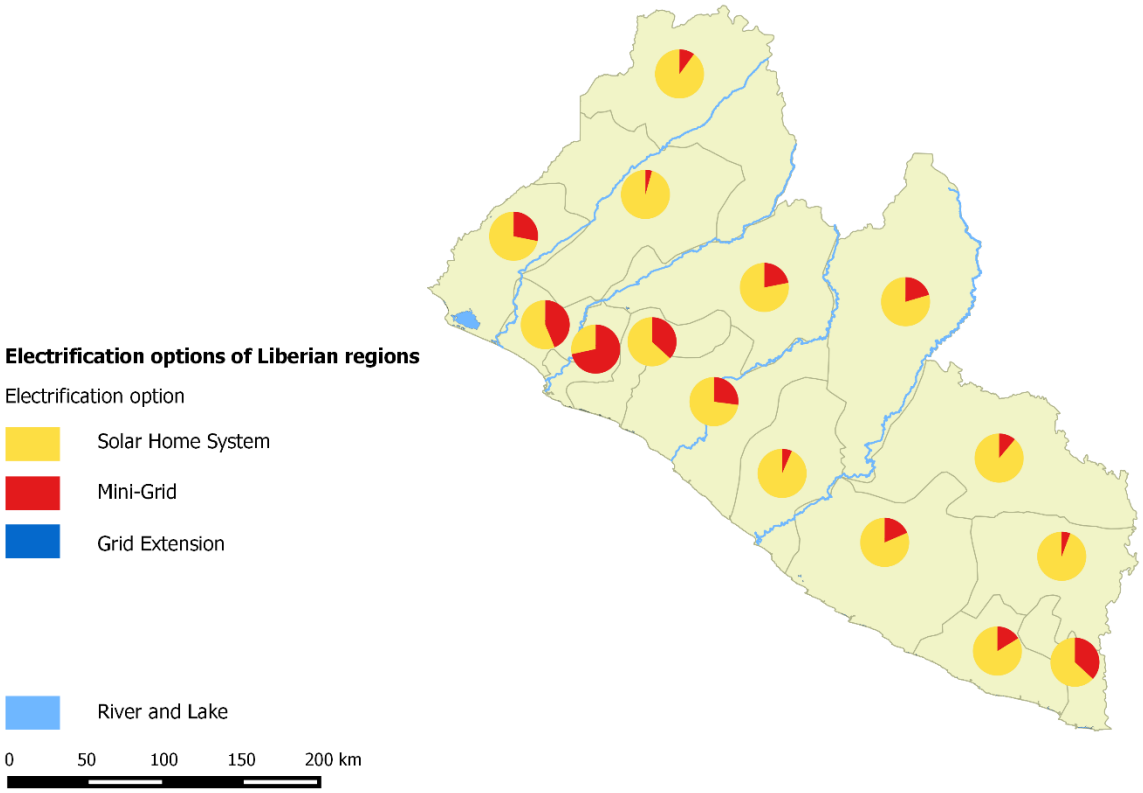
0.3

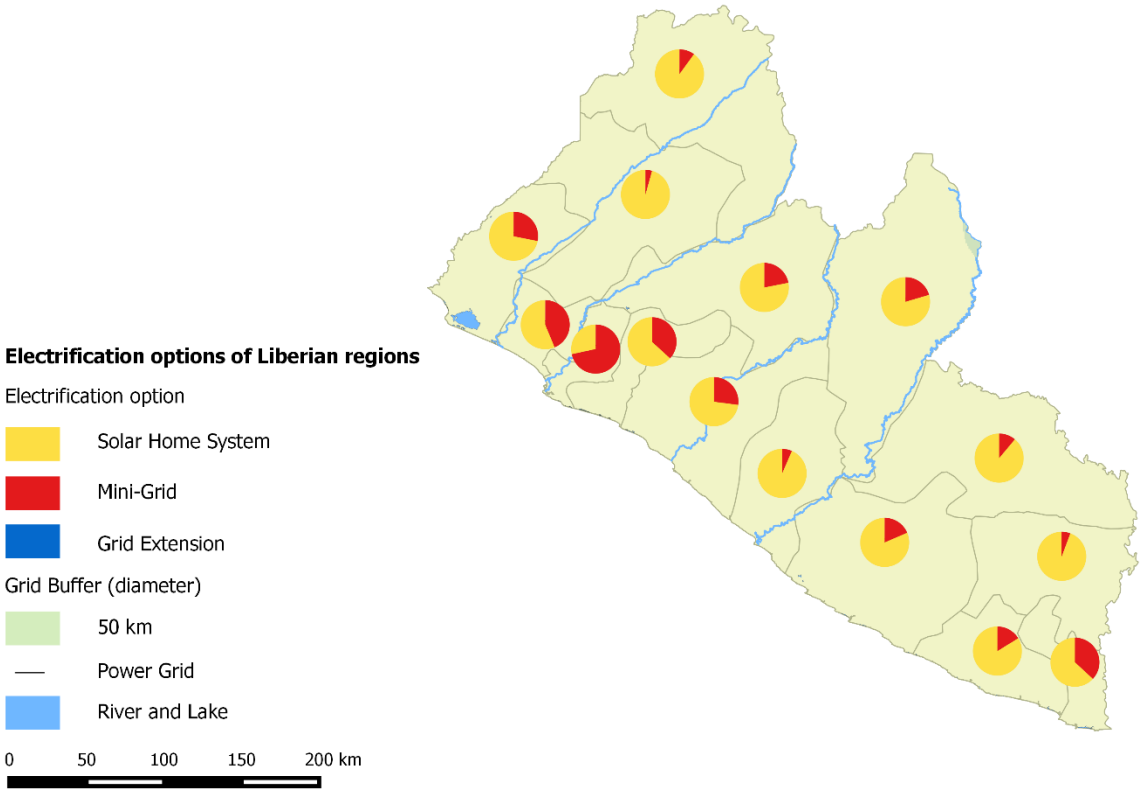
>0.4

River and Lake

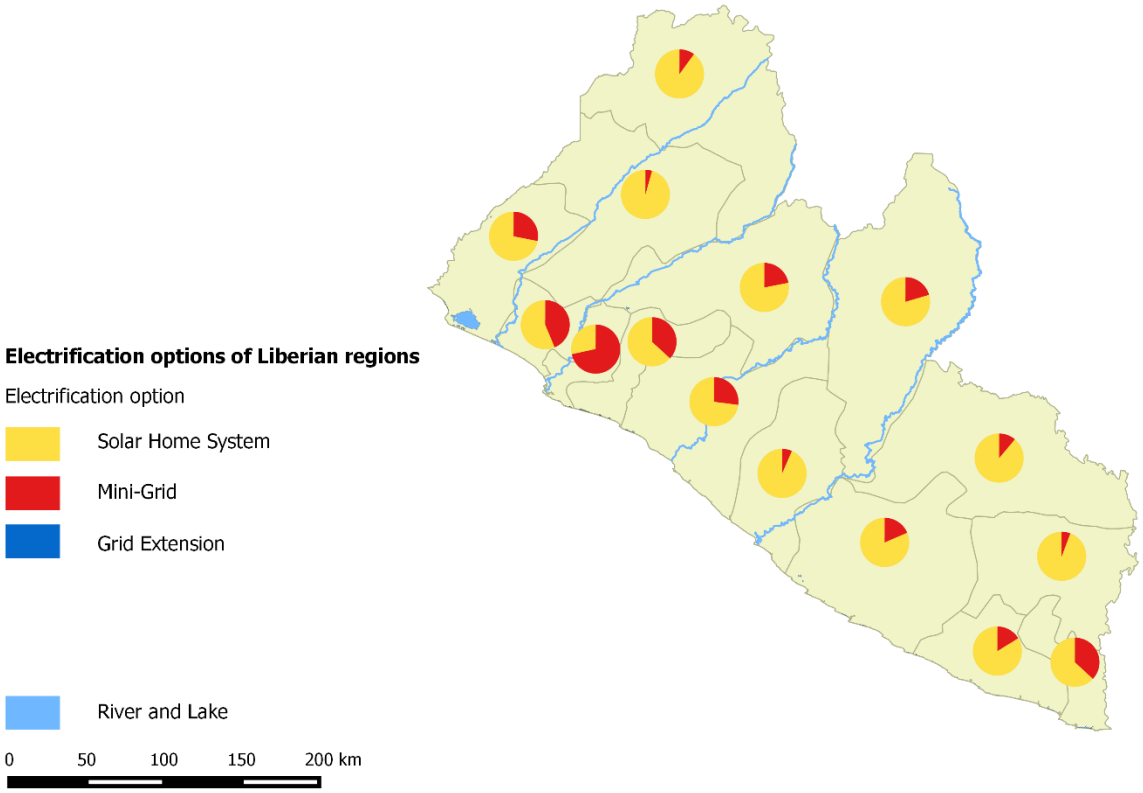
0 50 100 150 200 km

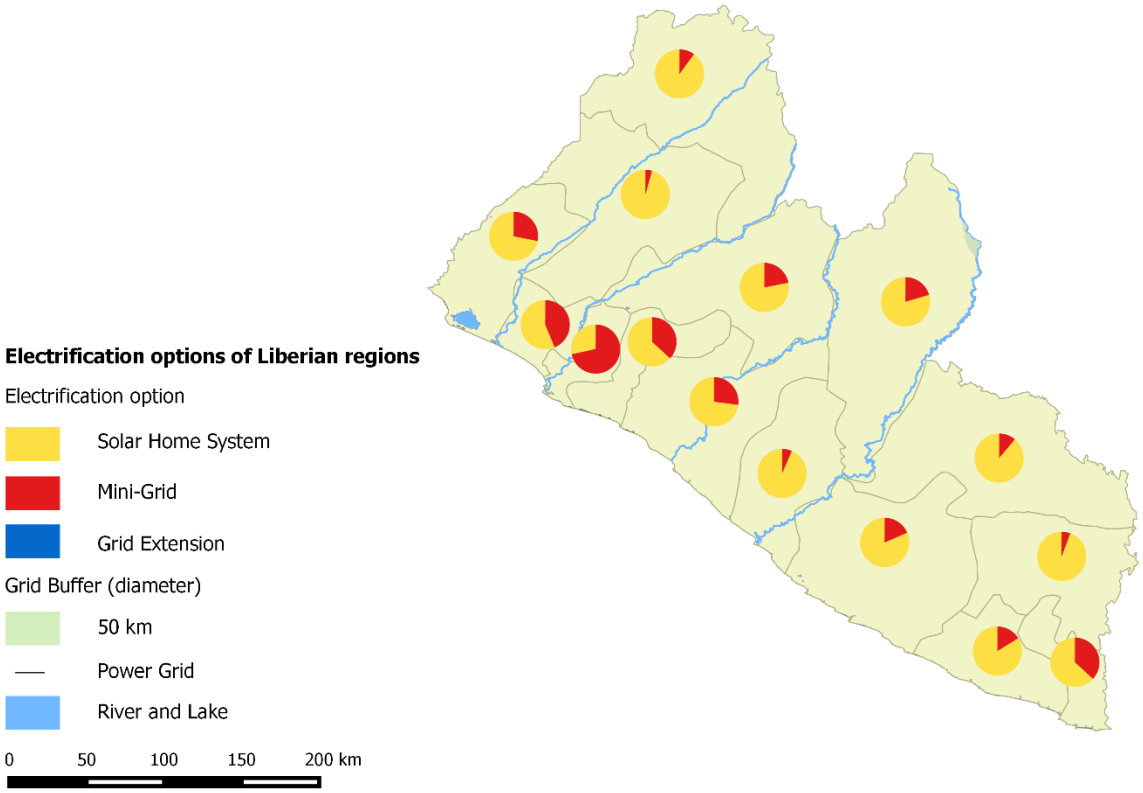
Electrification option in all Liberian regions: GridBuilt-GridDom



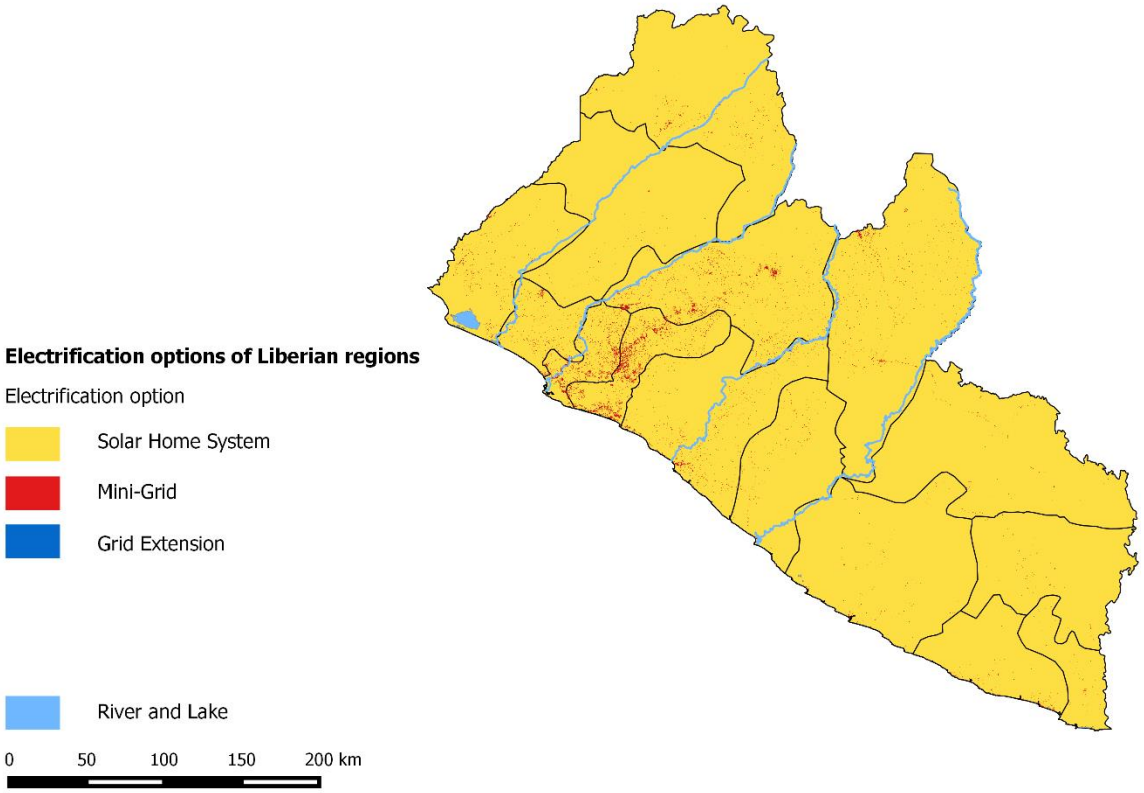


Electrification option in all Liberian regions: GridBuilt-SHSDom

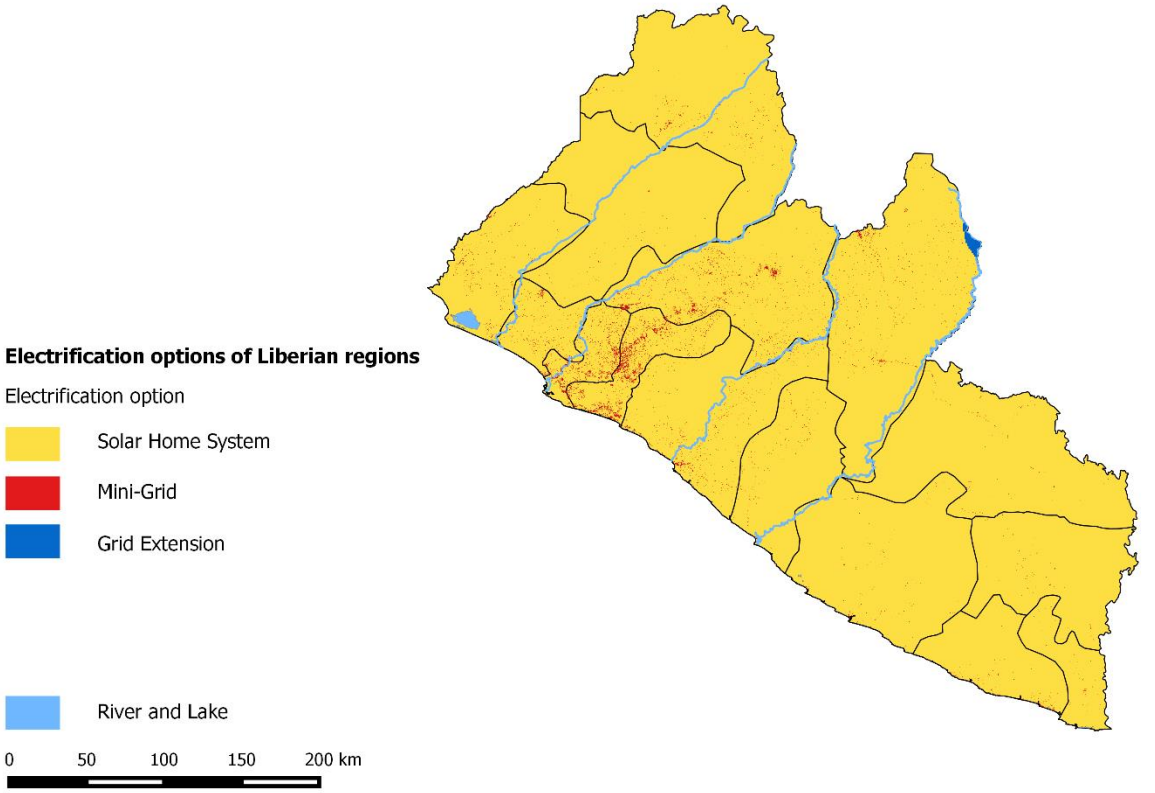




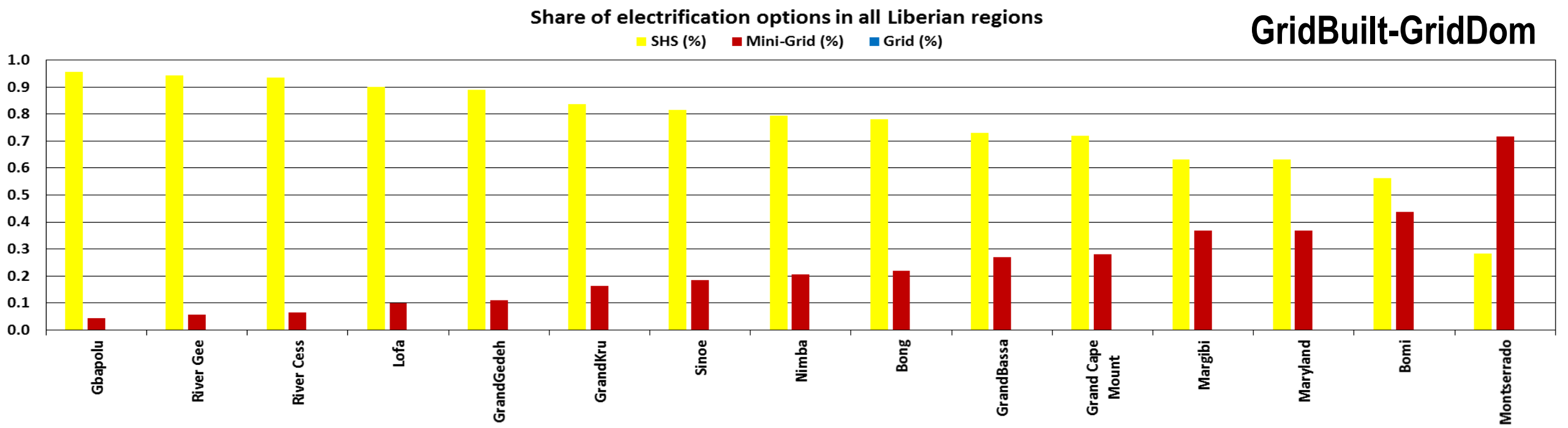
Electrification option: GridBuilt-SHSDom



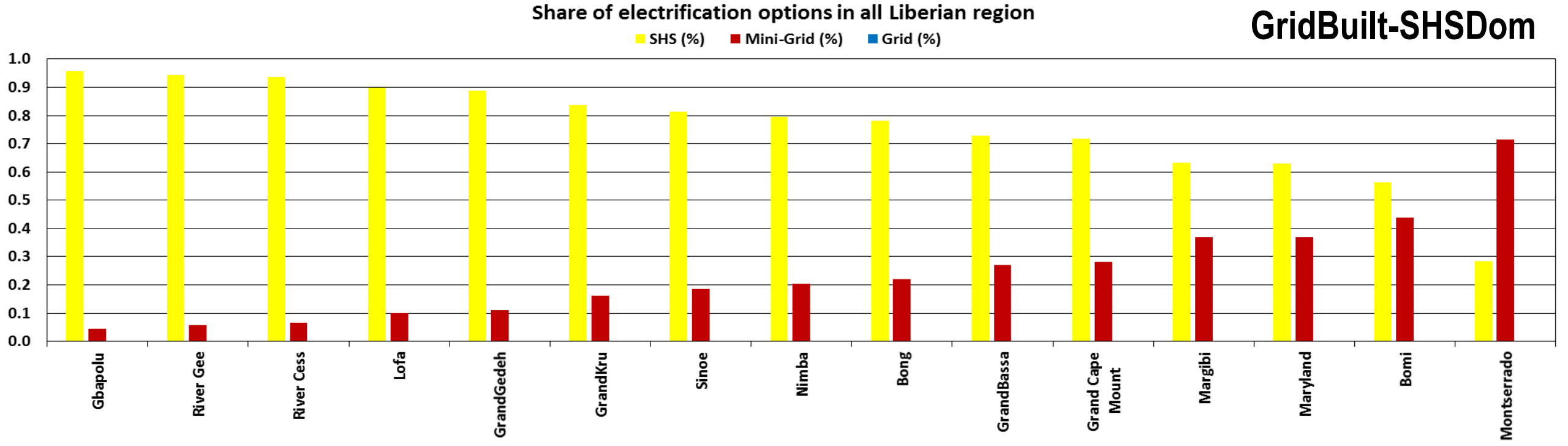
Electrification option: GridBuilt-GridDom



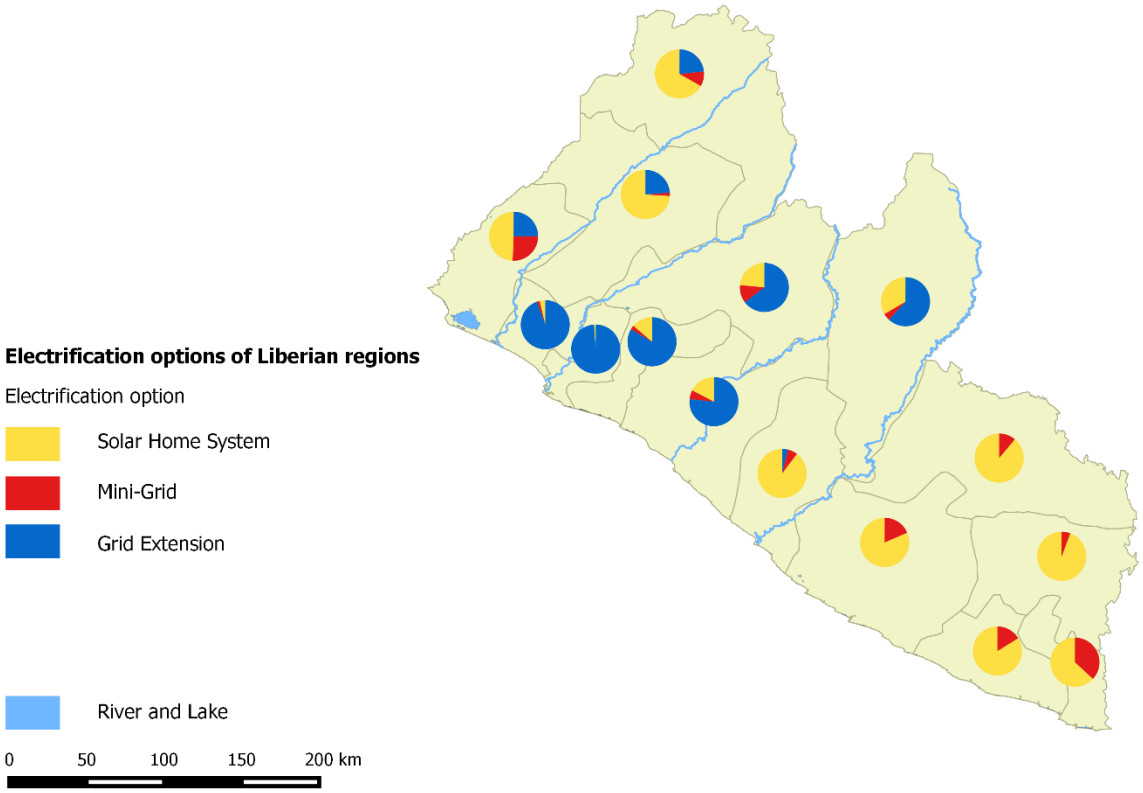
GridBuilt-GridDom

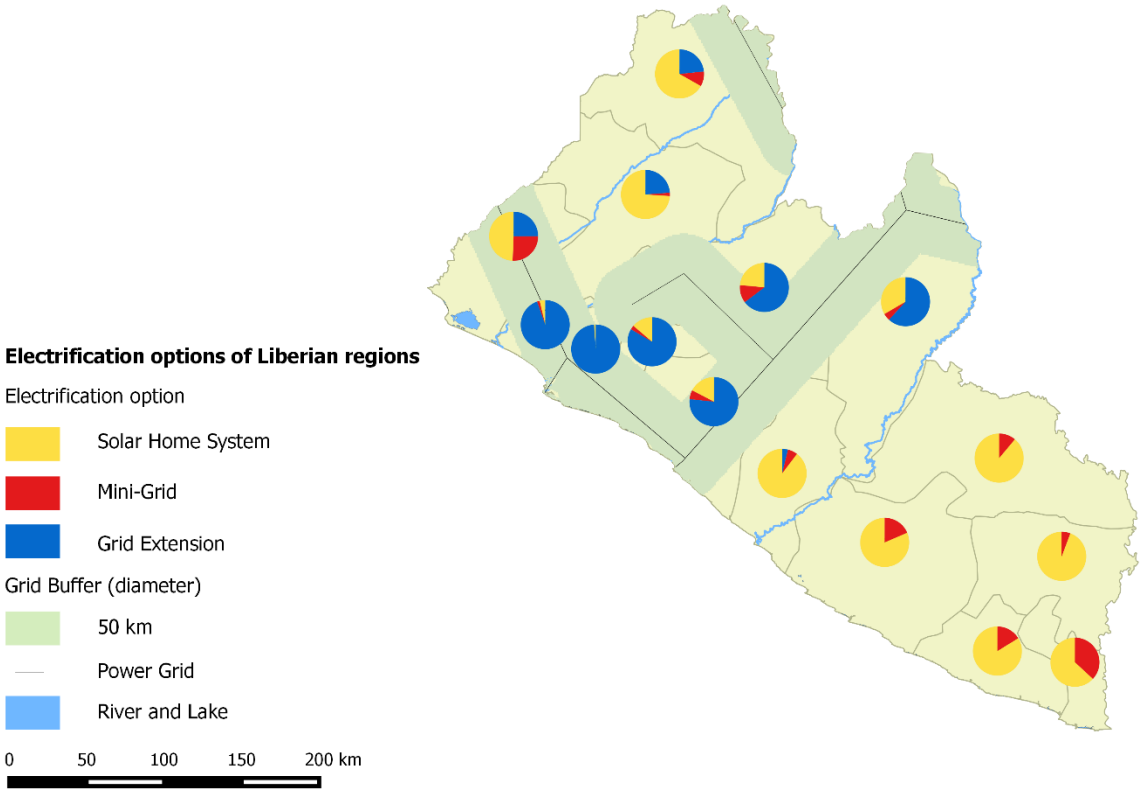


GridBuilt-SHSDom

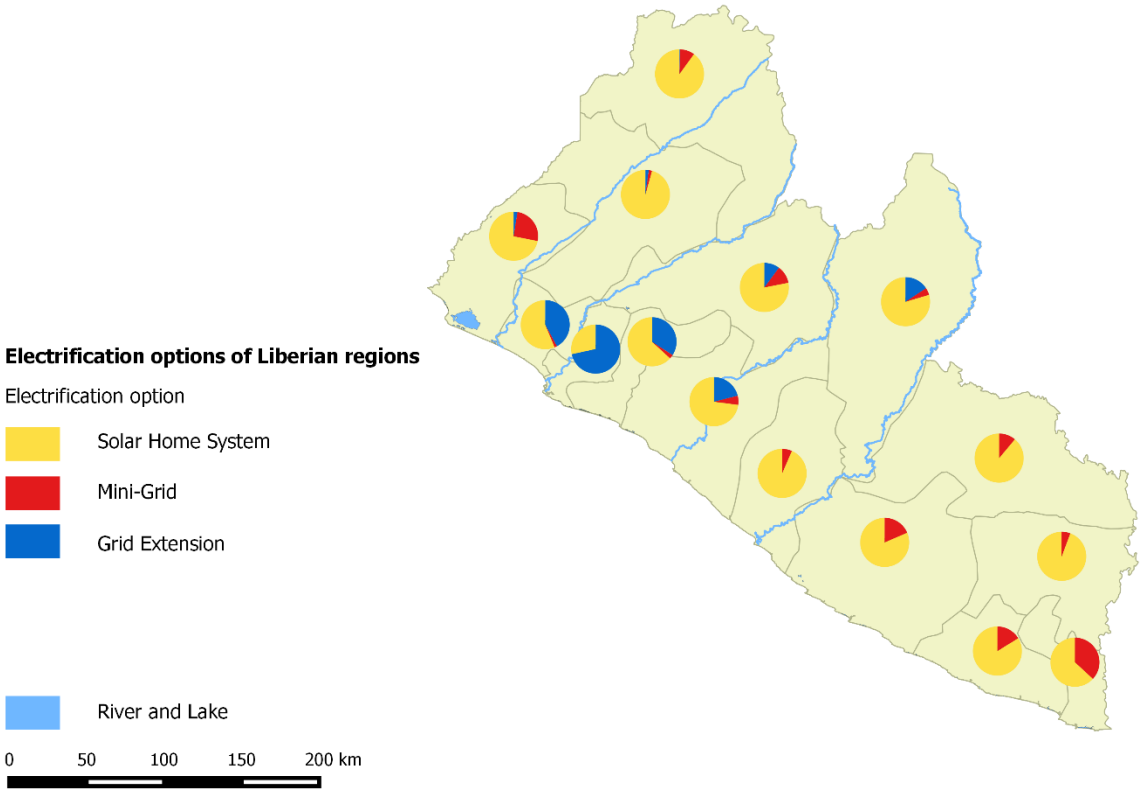


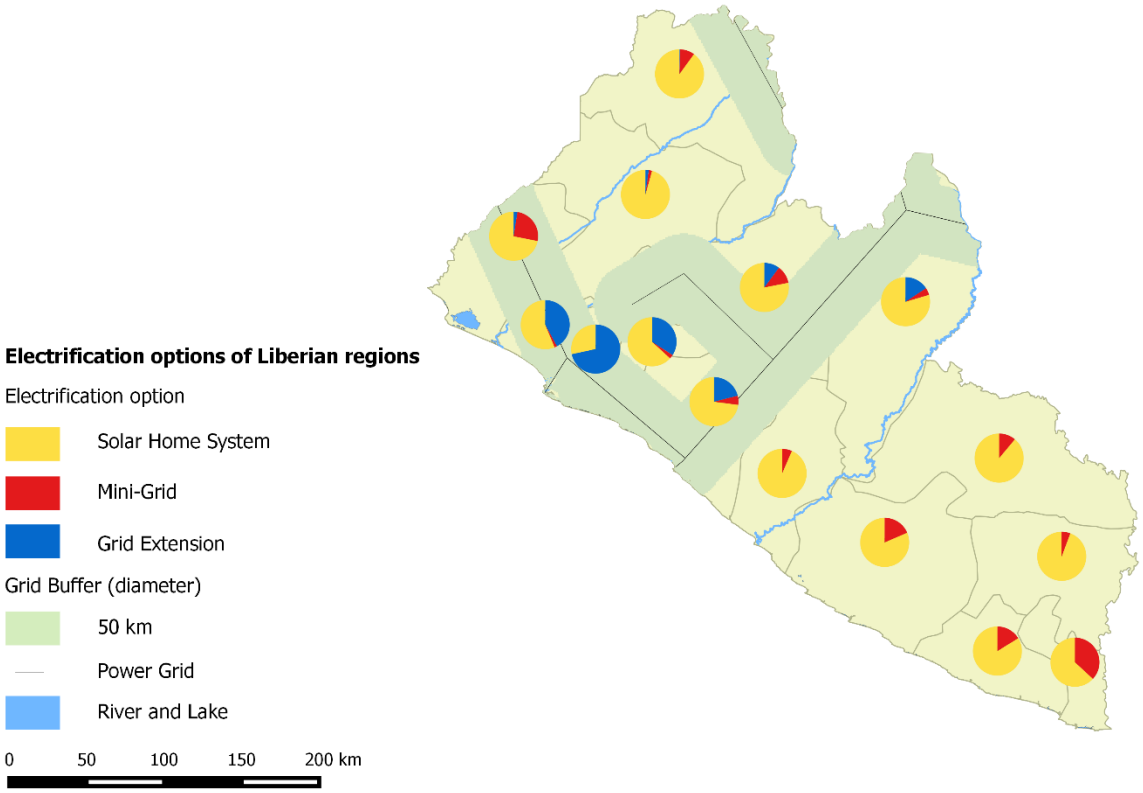
Electrification option in all Liberian regions: GridPlanned-GridDom



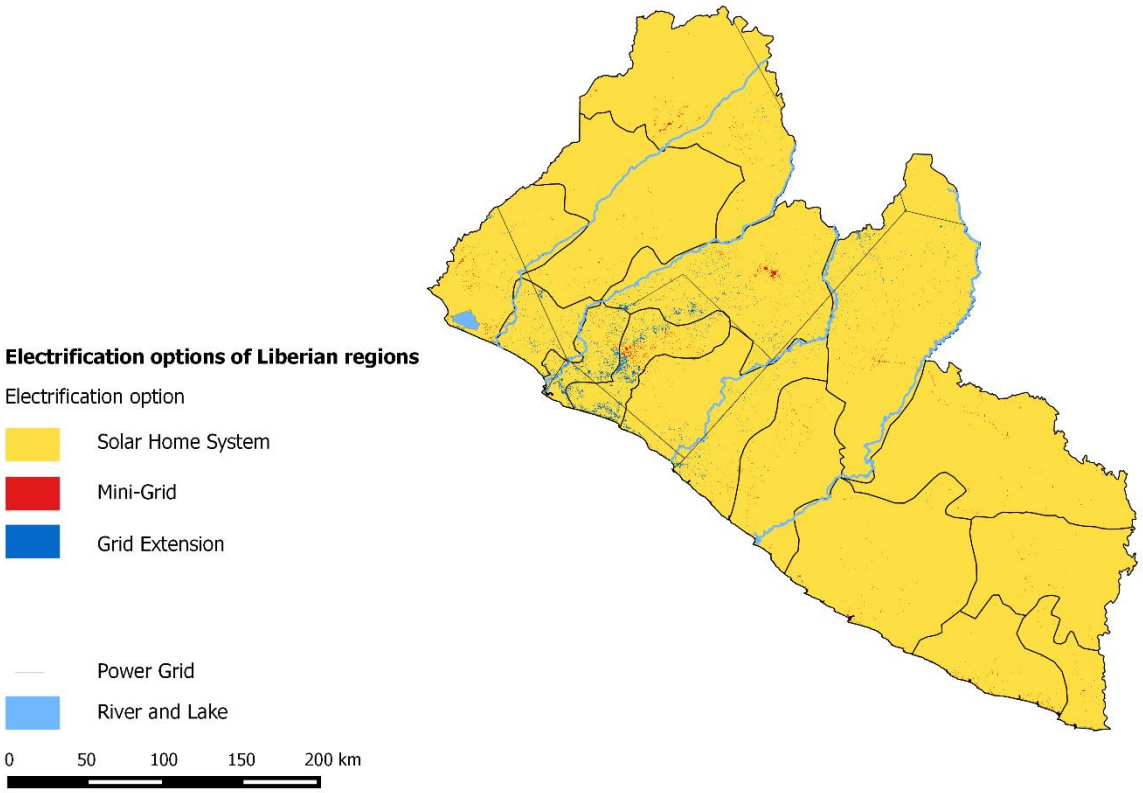


Electrification option in all Liberian regions: GridPlanned-SHSDom

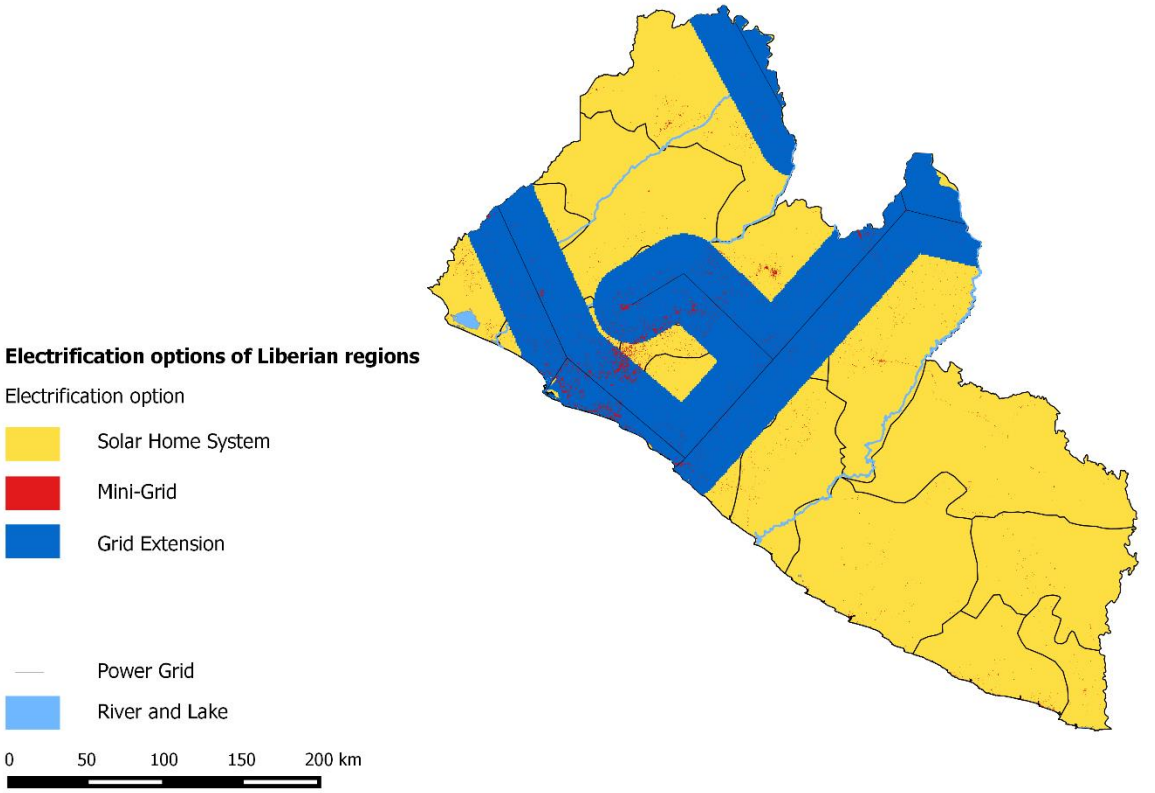




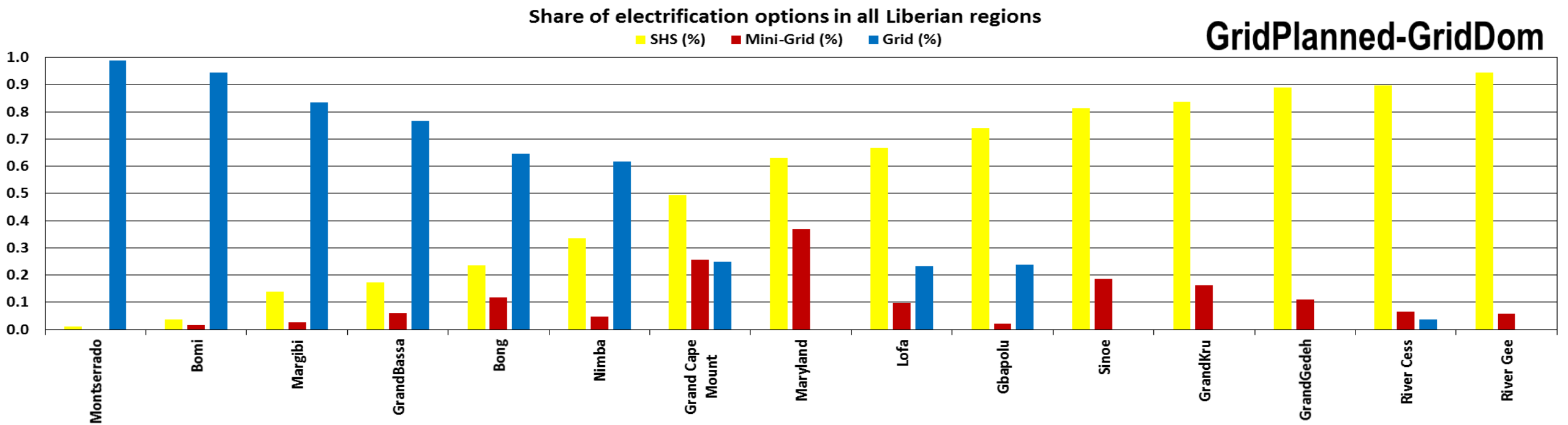
Electrification option: GridPlanned-SHSDom



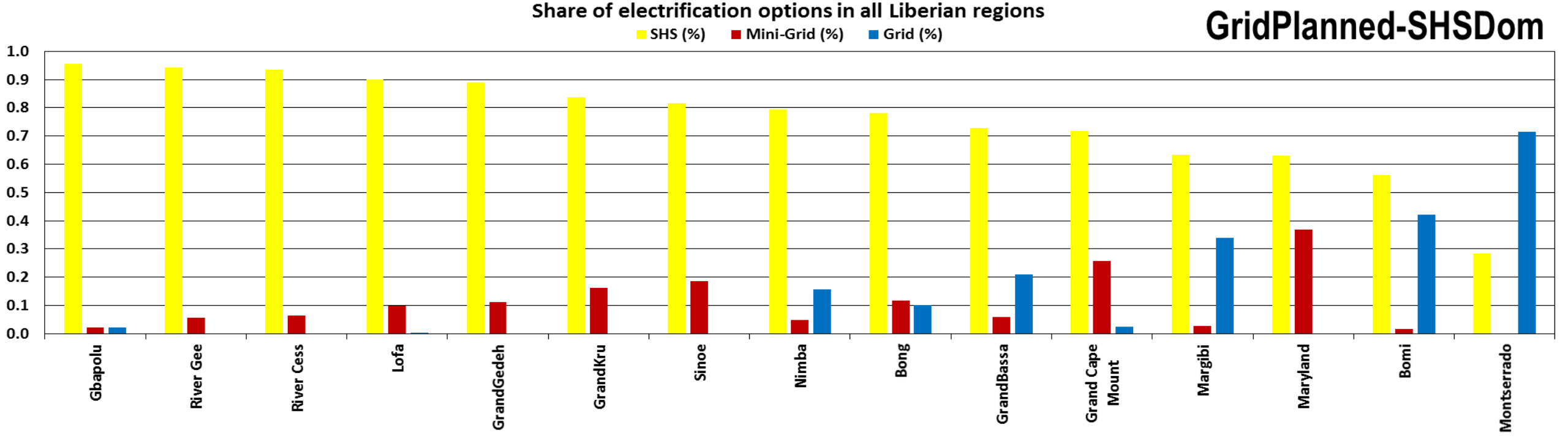
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom

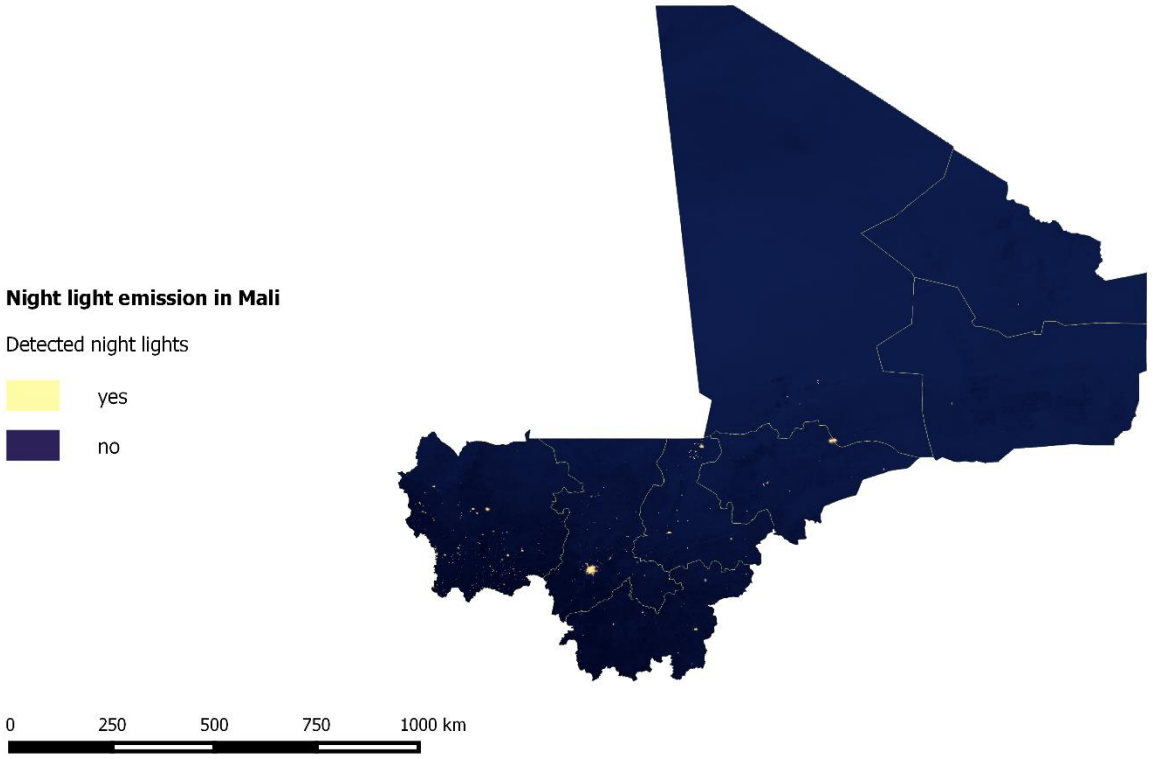


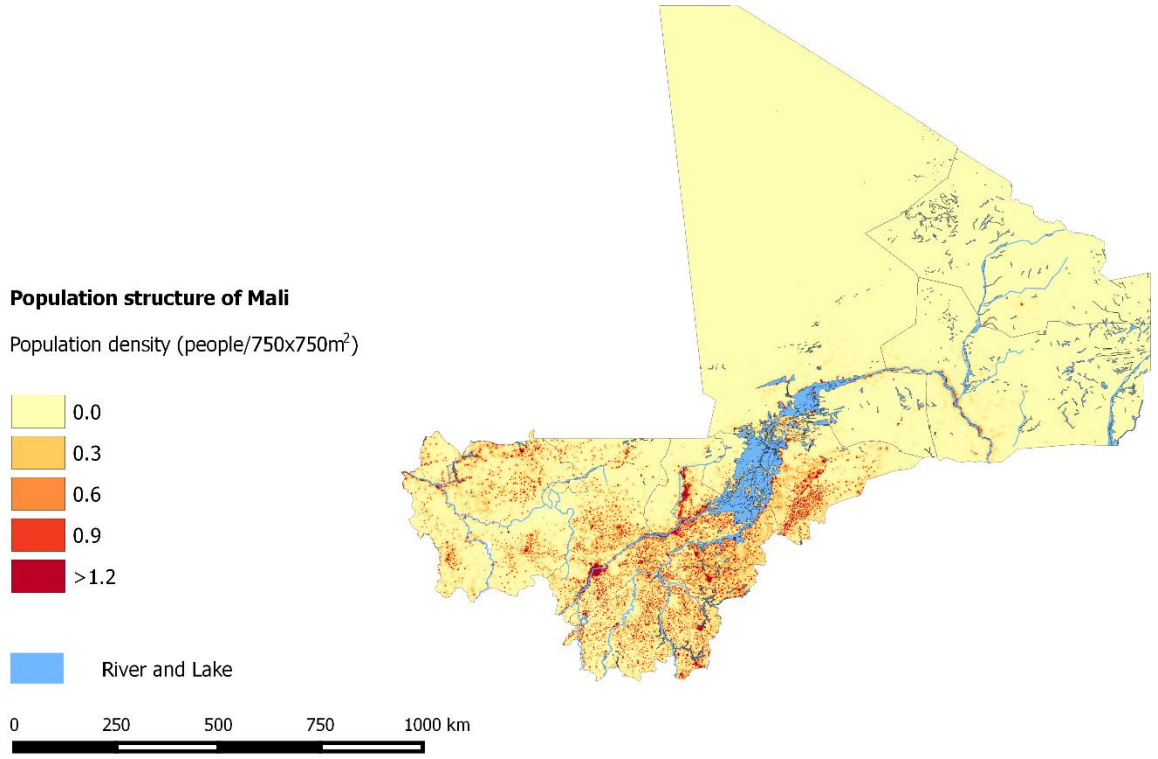
GridPlanned-SHSDom



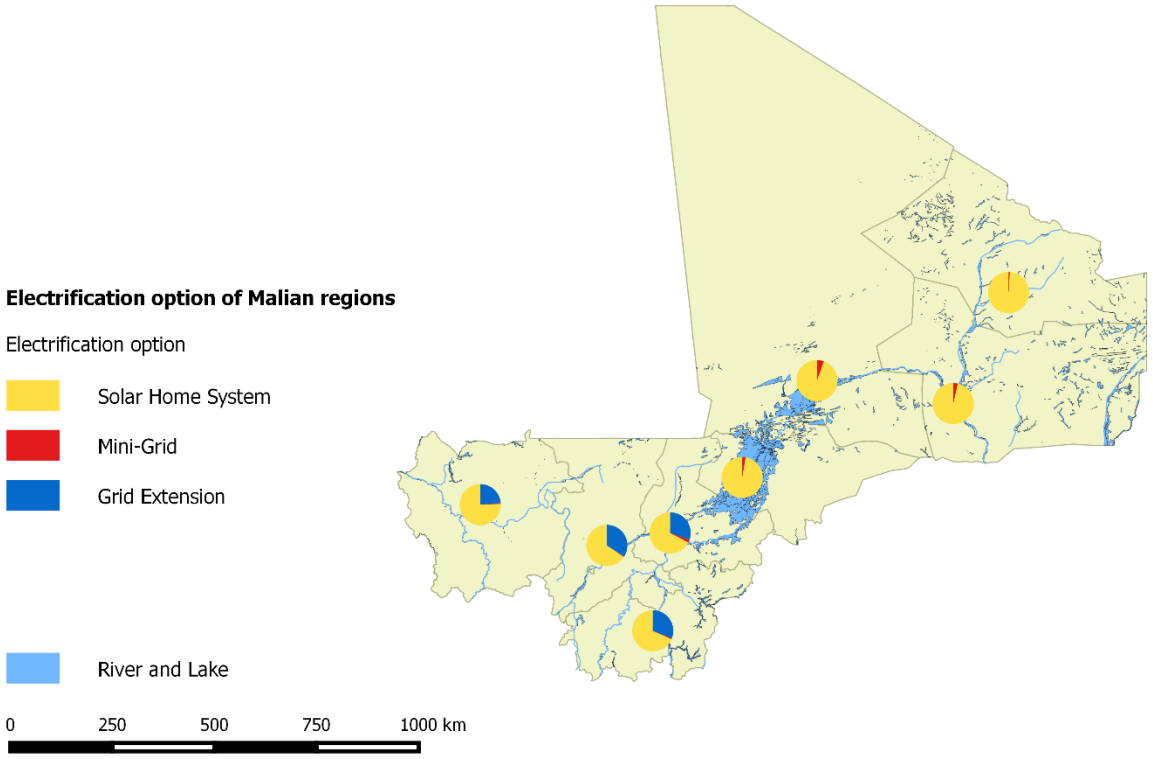
Mali

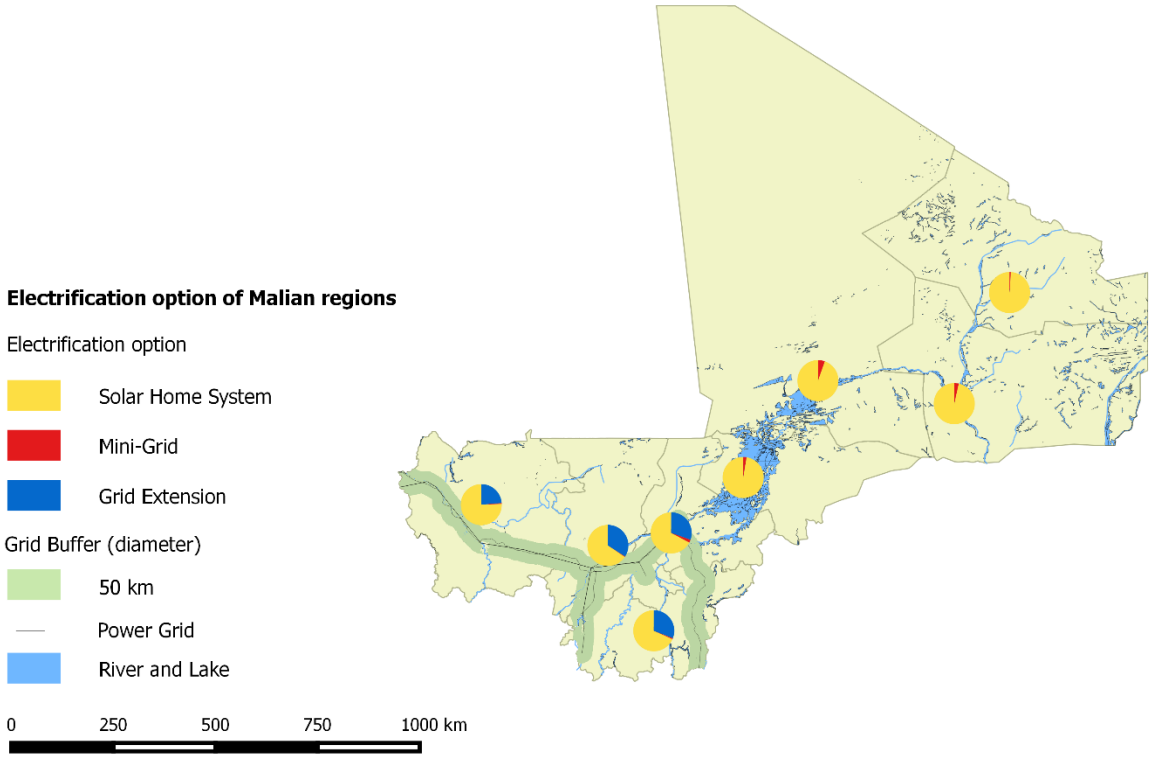
Night light emission and Population of Malian regions



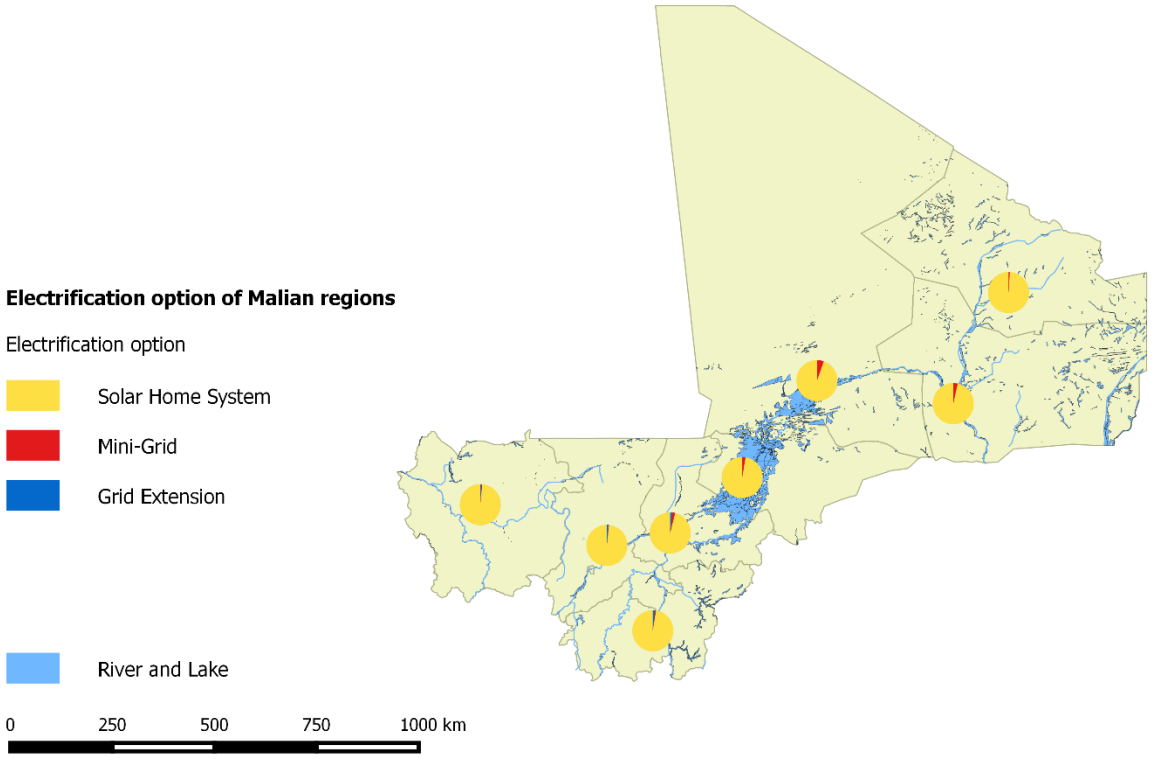


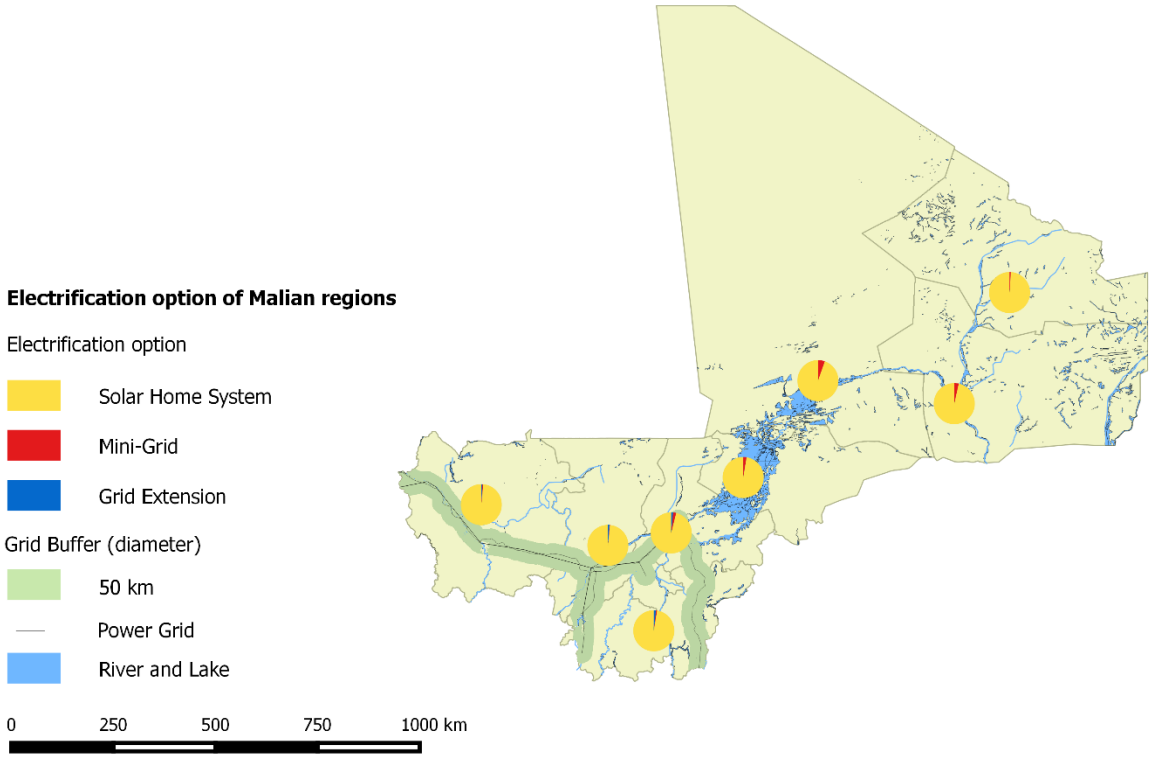
Electrification option in all Malian regions: GridBuilt-GridDom



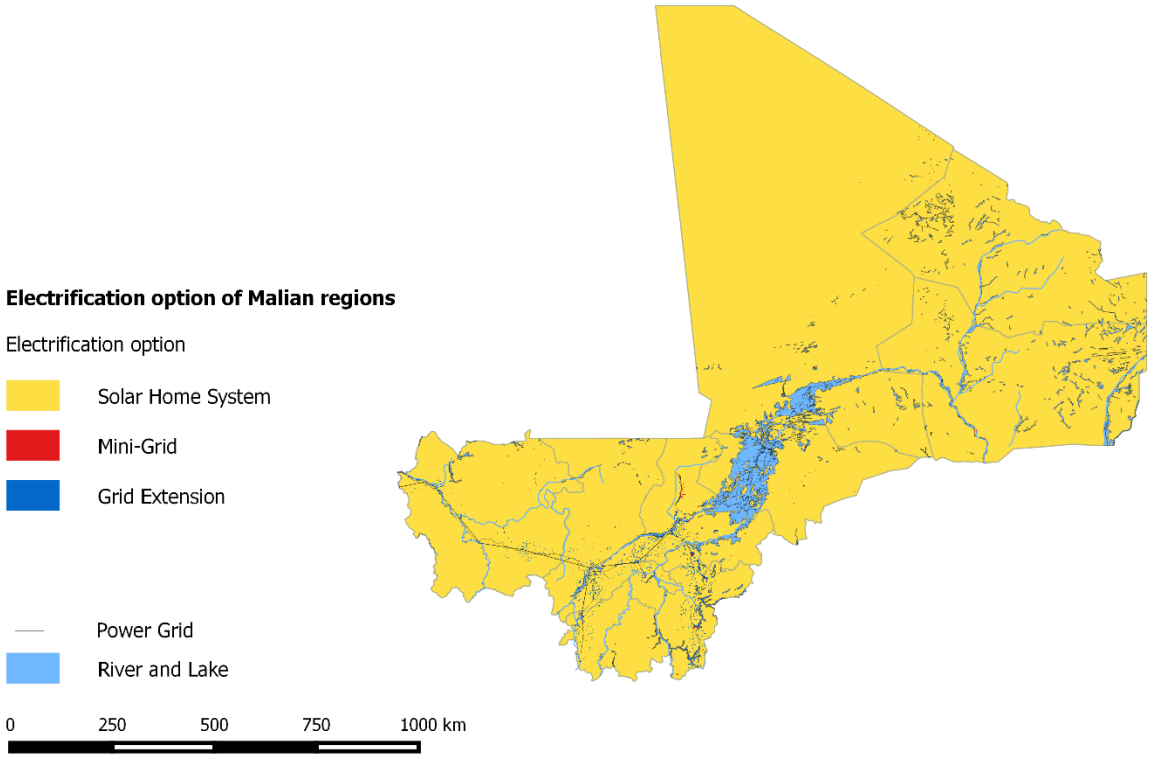


Electrification option in all Malian regions: GridBuilt-SHSDom

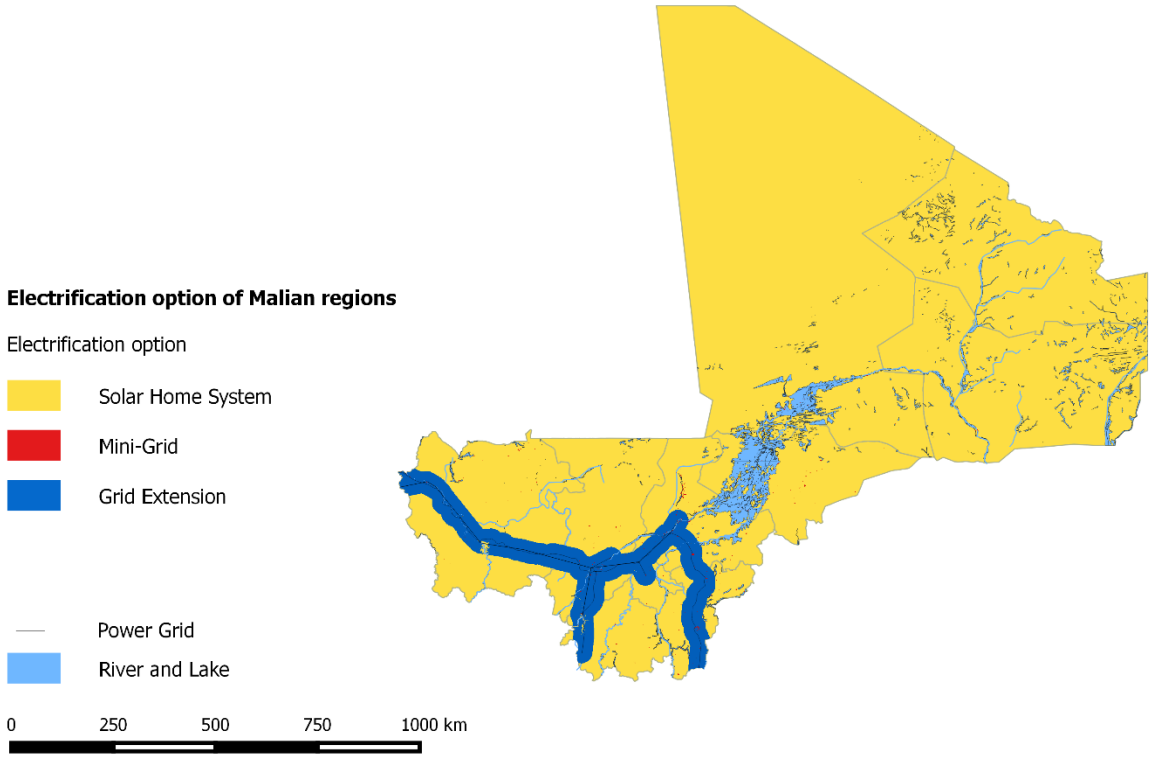


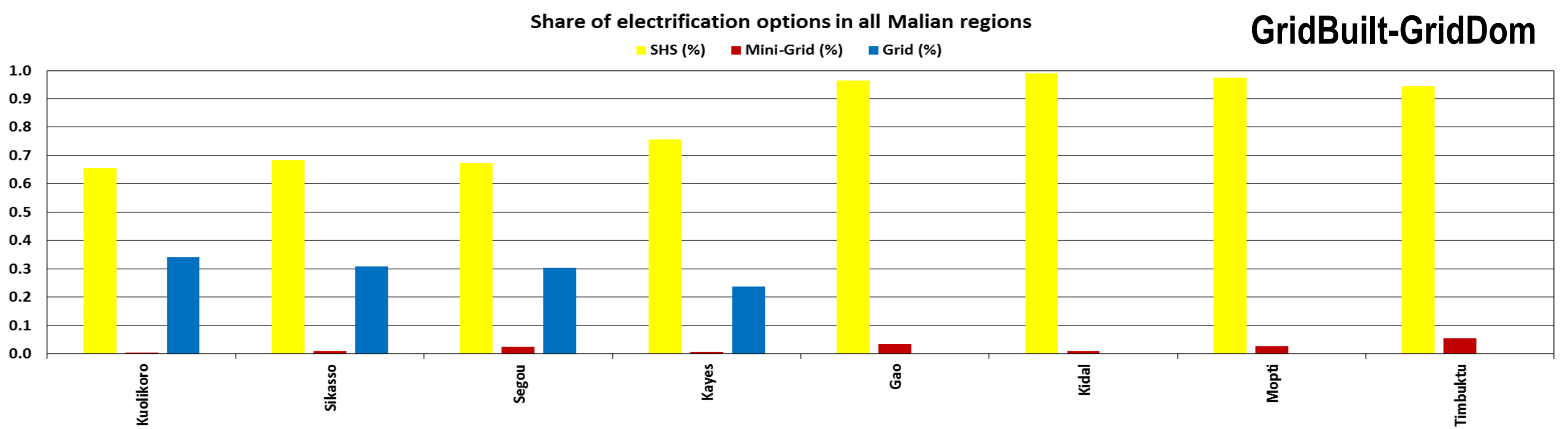


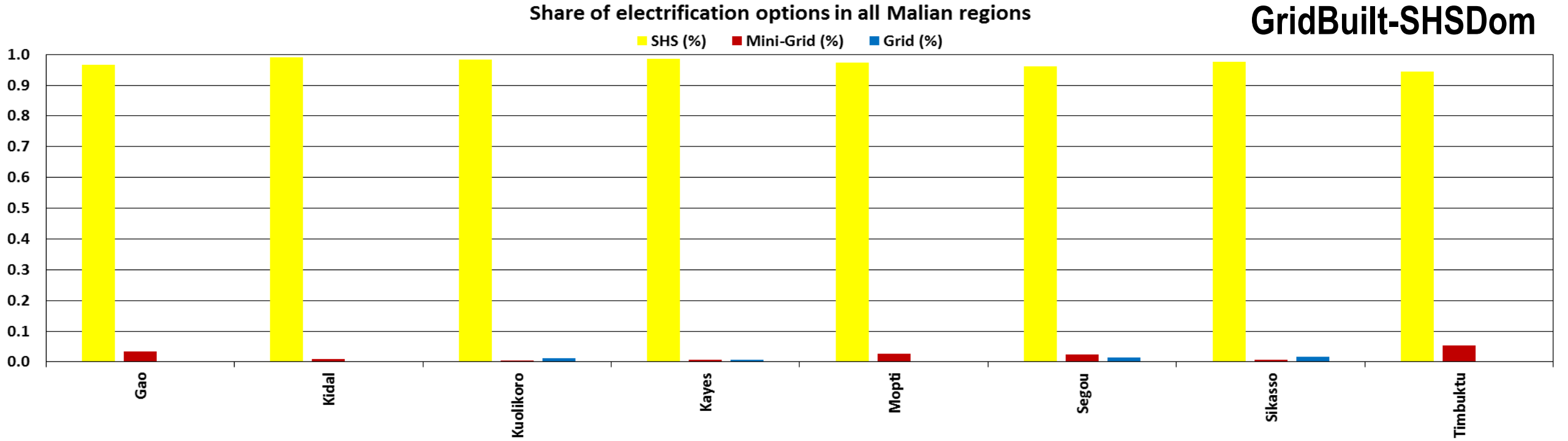
Electrification option: GridBuilt-SHSDom



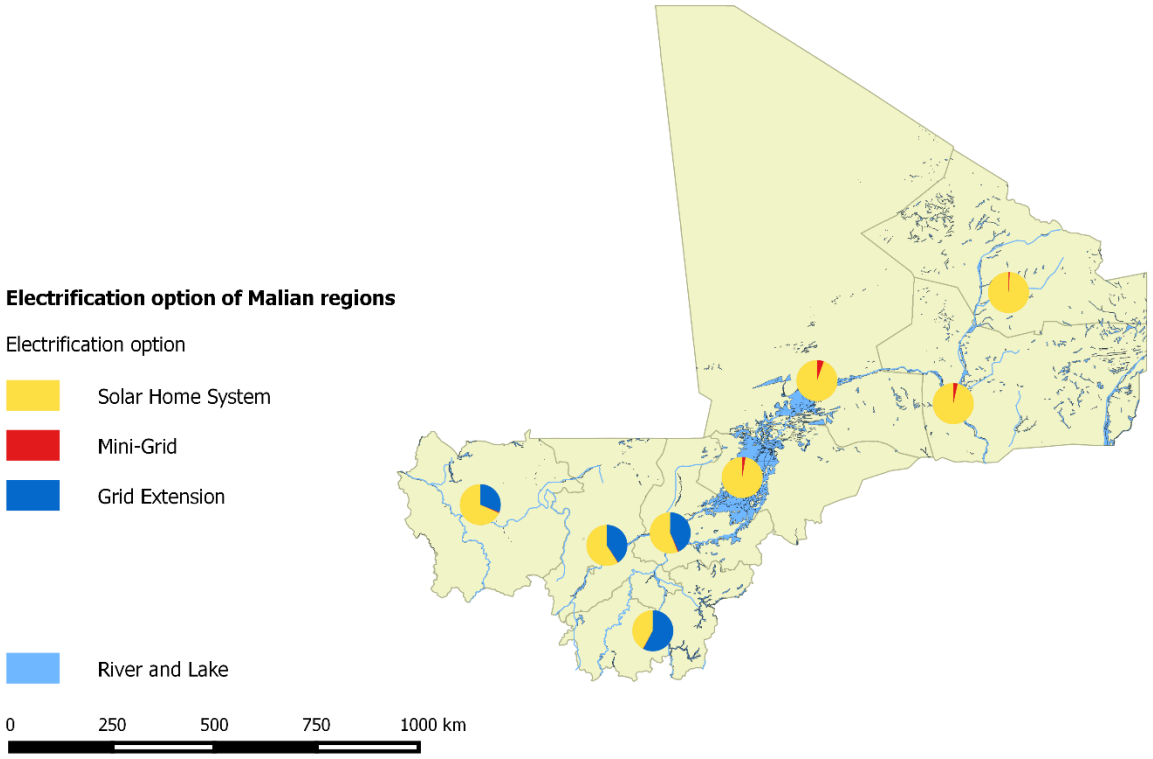
Electrification option: GridBuilt-GridDom

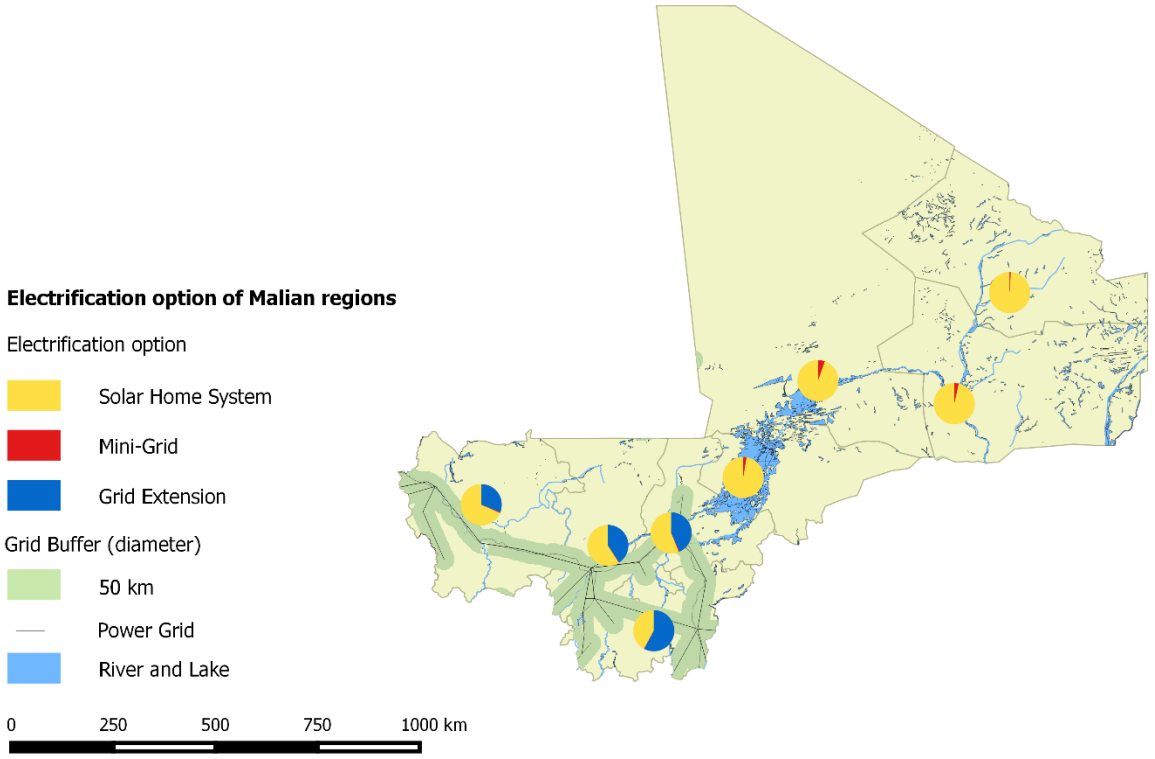



Share of electrification options in all Malian regions
GridBuilt-GridDom
SHS (%)
Mini-Grid (%)
Grid (%)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Kuolikoro
Sikasso
Segou
Kayes
Gao
Kidal
Mopti
Timbuktu

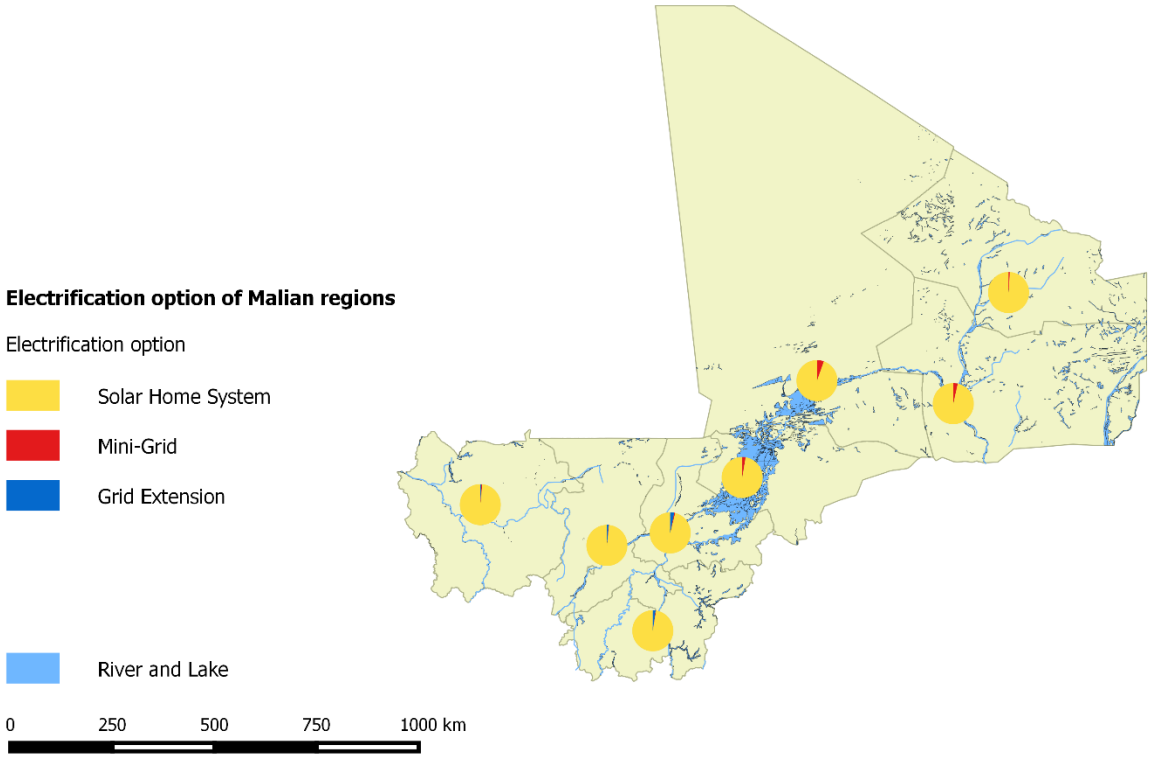

Share of electrification options in all Malian regions
GridBuilt-SHSDom
SHS (%)
Mini-Grid (%)
Grid (%)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Gao
Kidal
Kuolikoro
Kayes
Mopti
Segou
Sikasso
Timbuktu

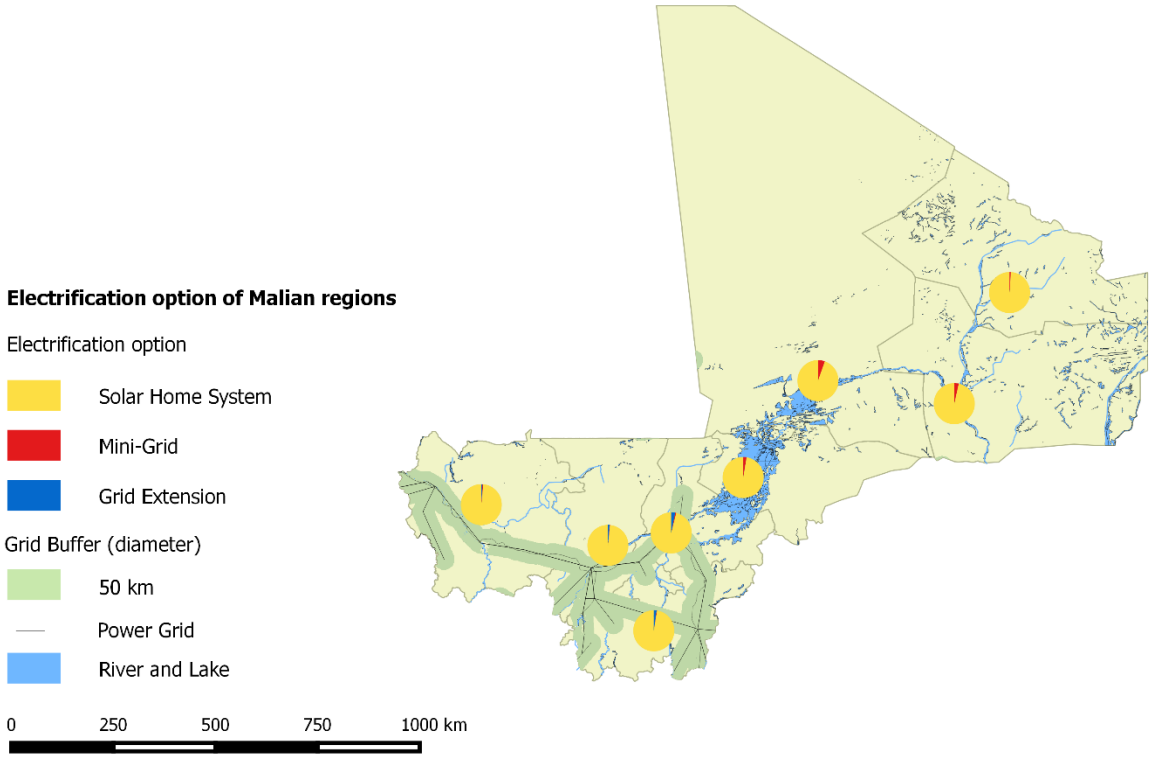
Electrification option in all Malian regions: GridPlanned-GridDom



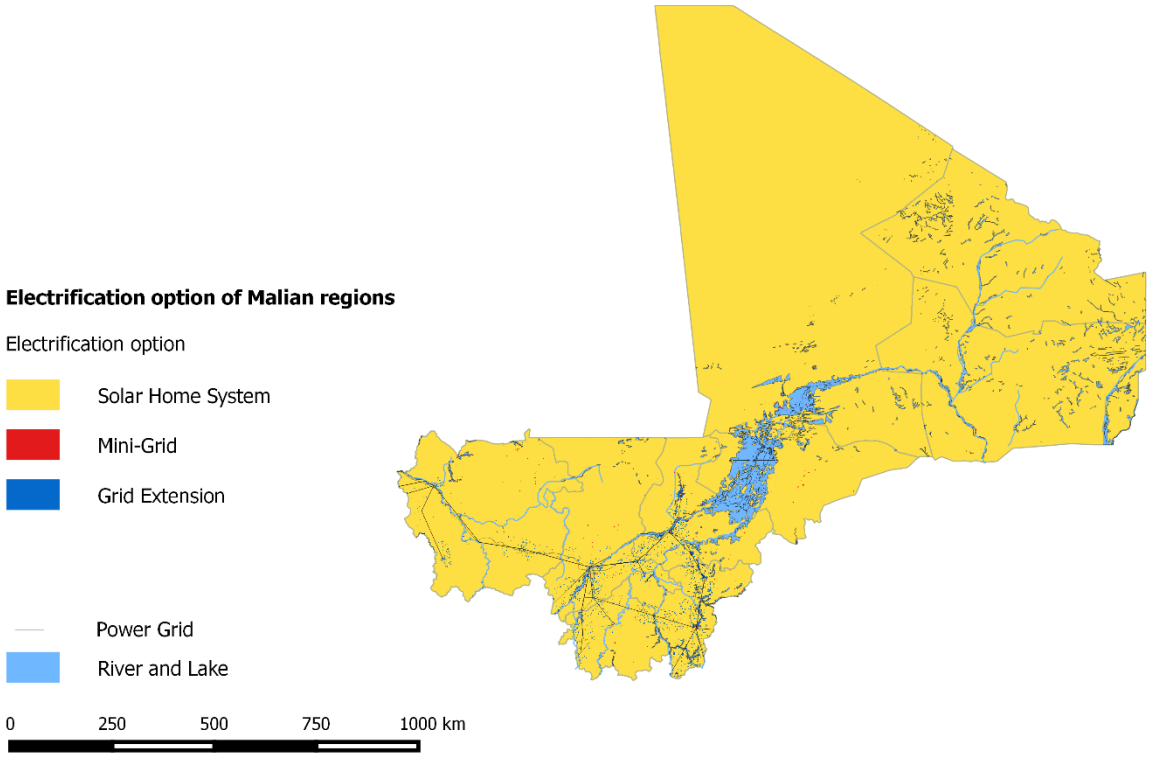


Electrification option in all Malian regions: GridPlanned-SHSDom

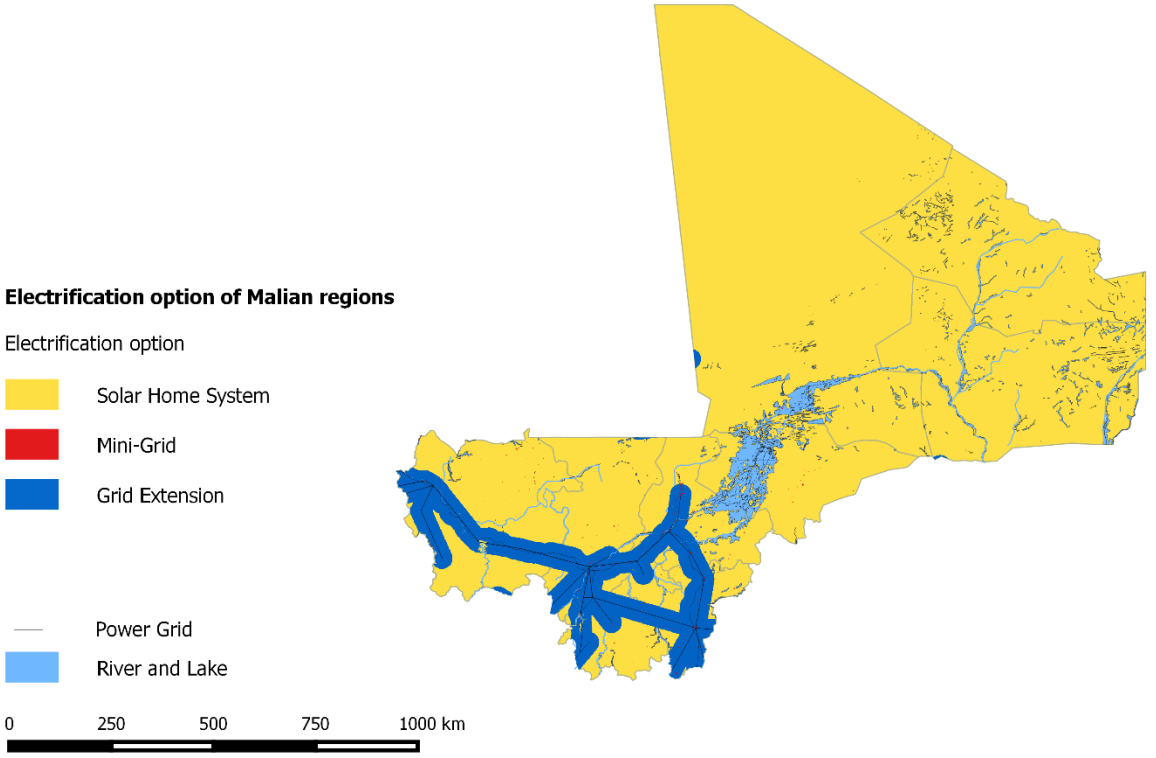


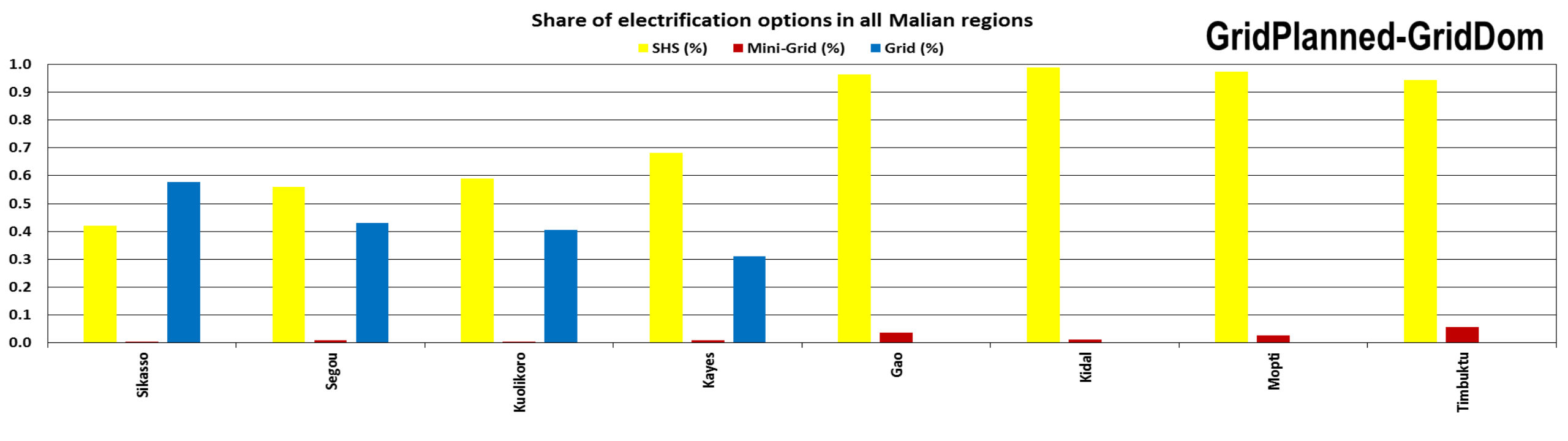


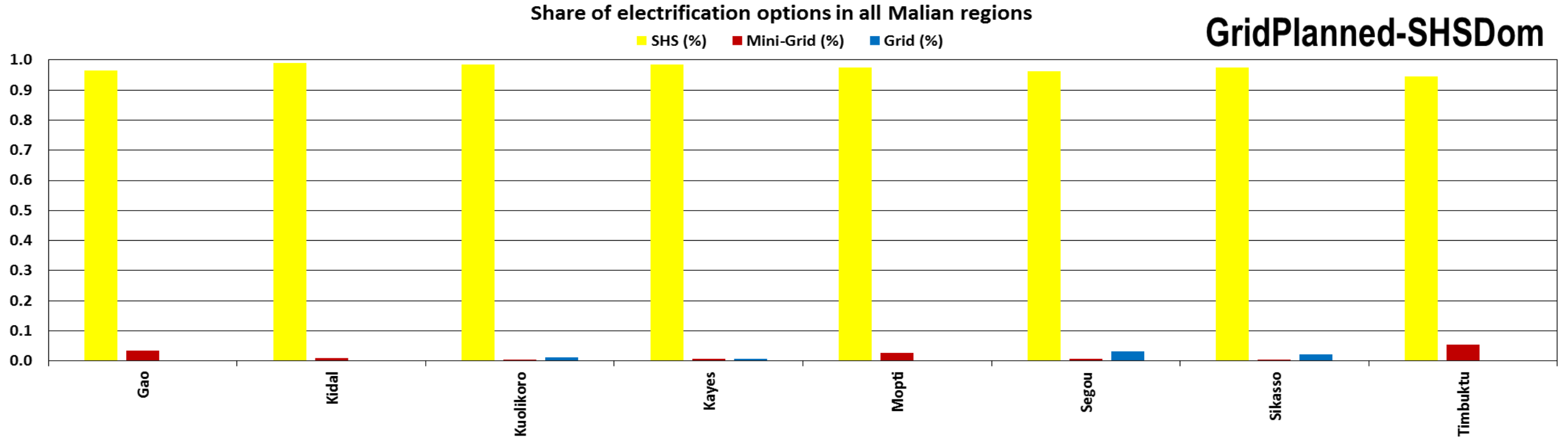
Electrification option: GridPlanned-SHSDom



Electrification option: GridPlanned-GridDom




Share of electrification options in all Malian regions
GridPlanned-GridDom
SHS (%)
Mini-Grid (%)
Grid (%)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Sikasso
Segou
Kuolikoro
Kayes
Gao
Kidal
Mopti
Timbuktu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SHS (%)
Mini-Grid (%)
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1.0
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0.6
0.5
0.4
0.3
0.2
0.1
0.0
Gao
Kidal
Kuolikoro
Kayes
Mopti
Segou
Sikasso
Timbuktu

Mauritania

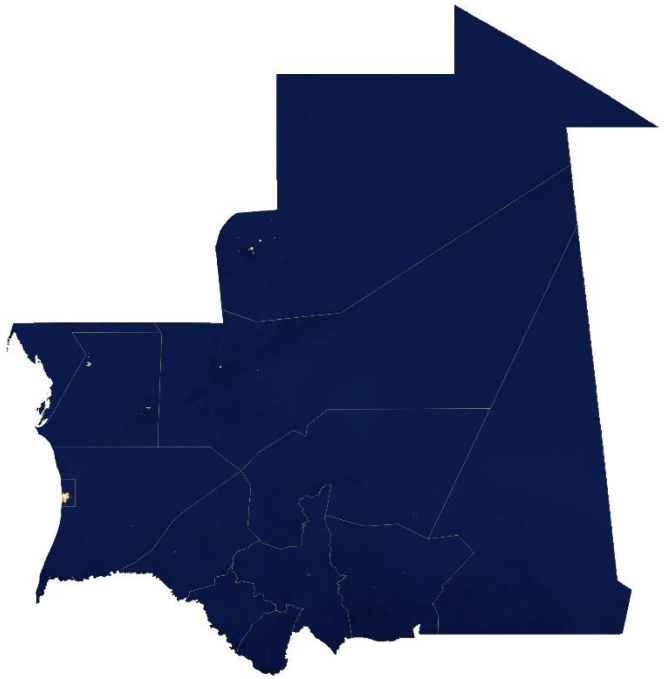
Night light emission and Population of Mauritanian regions

Night light emission in Mauritania

Detected night lights

yes

no



0 100 200 300 400 km

Populationstructure of Mauritania

Population density (people/750x750m^2)

0.0

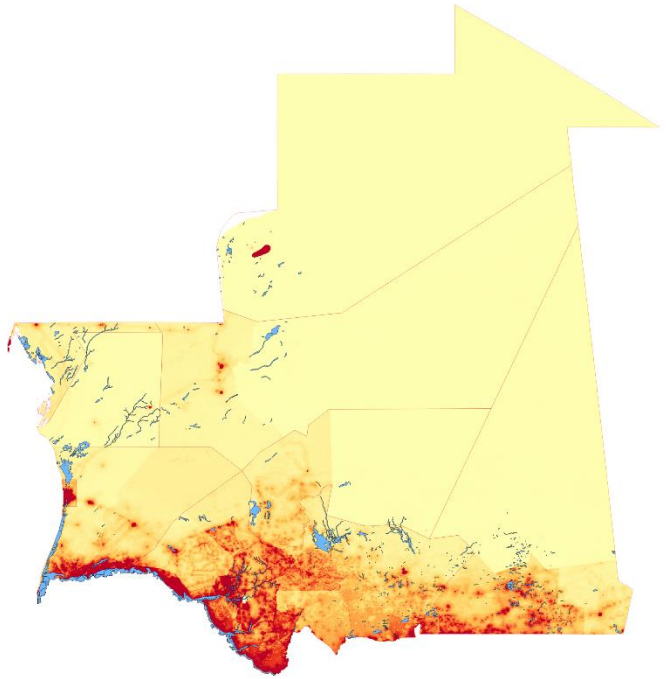
5.0

10.0

15.0

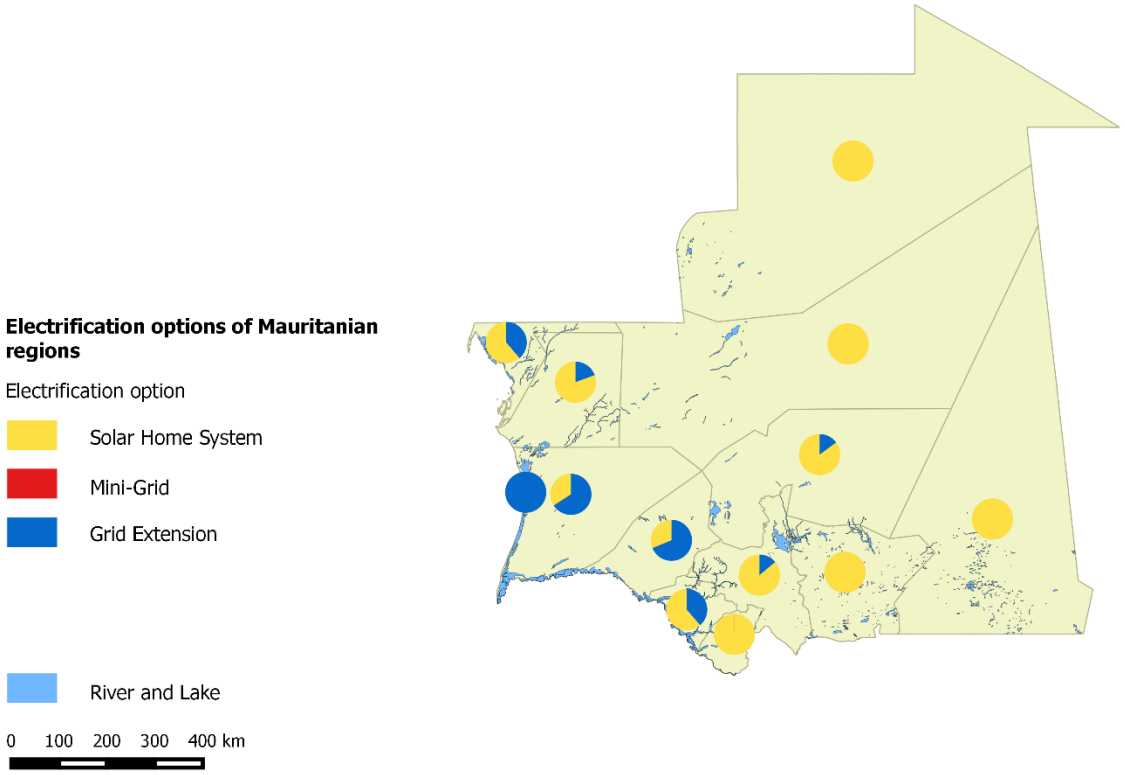
>20.0

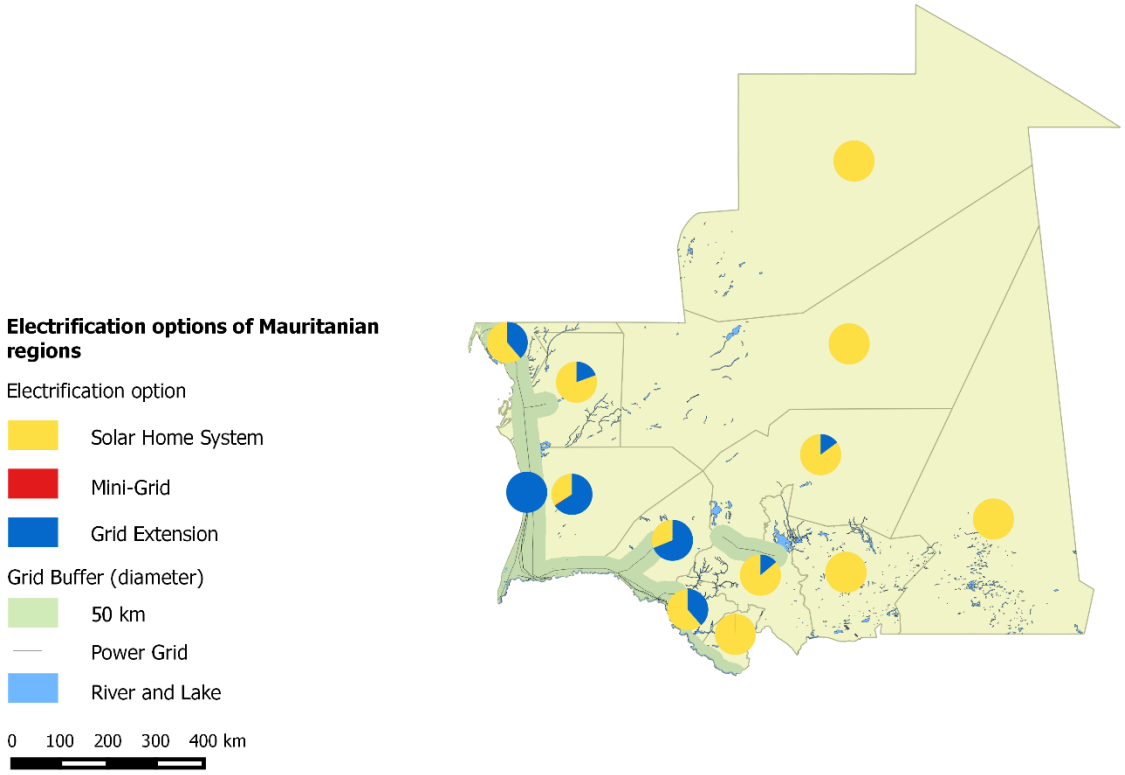
River and Lake



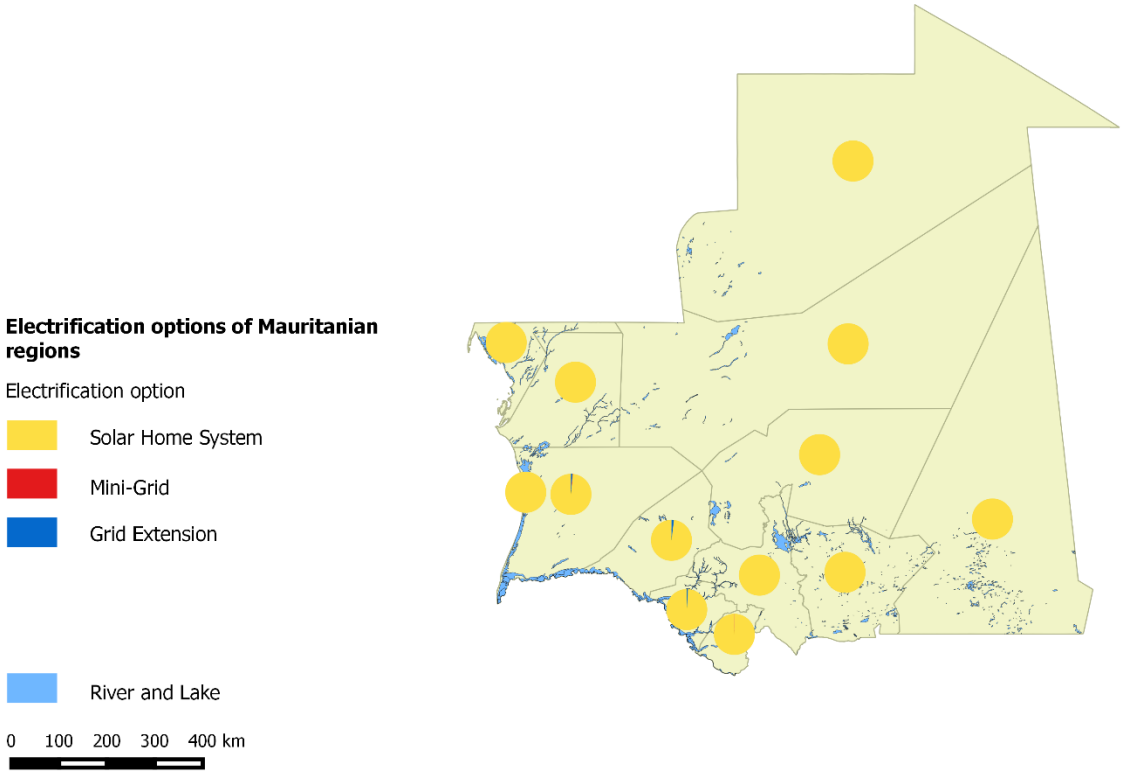
0 100 200 300 400 km

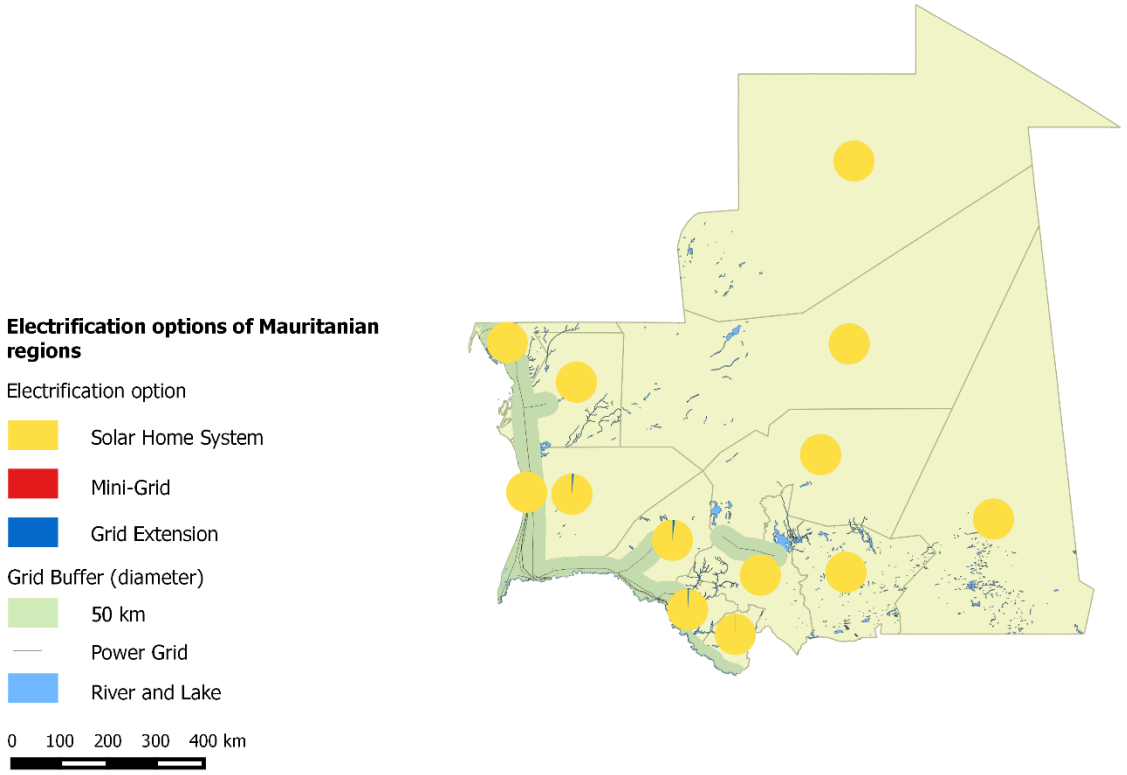
Electrification option in all Mauritanian regions: GridBuilt-GridDom



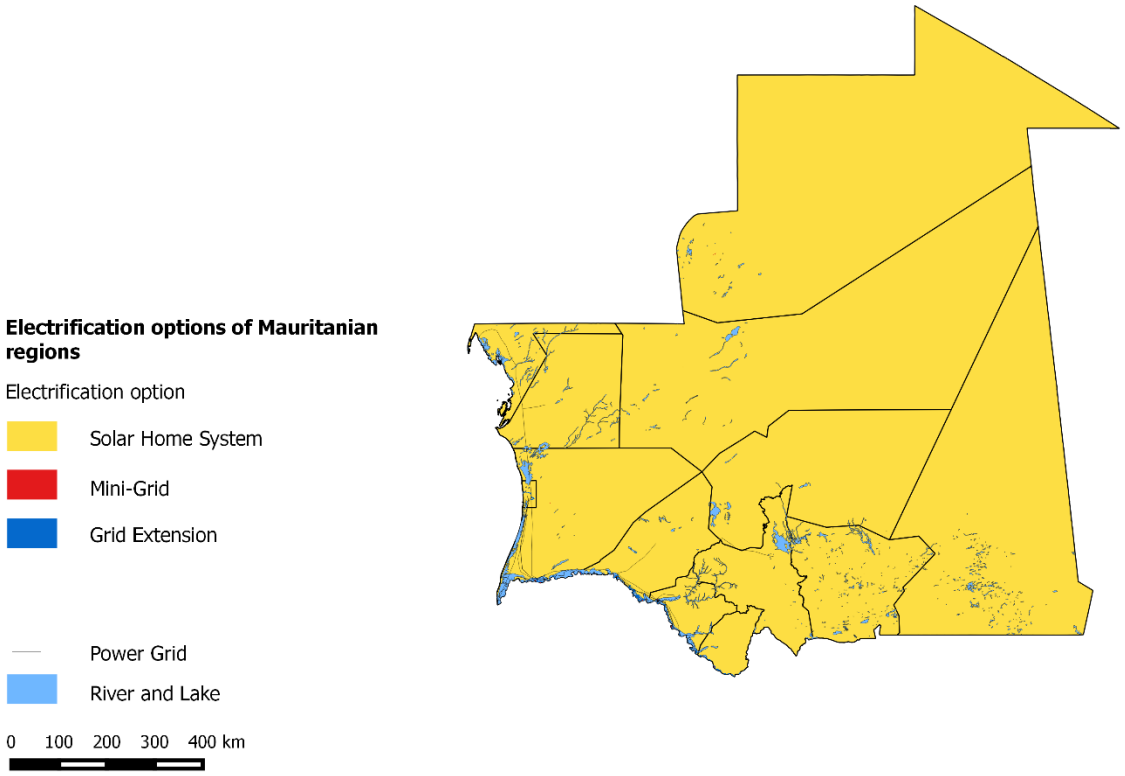


Electrification option in all Mauritanian regions: GridBuilt-SHSDom

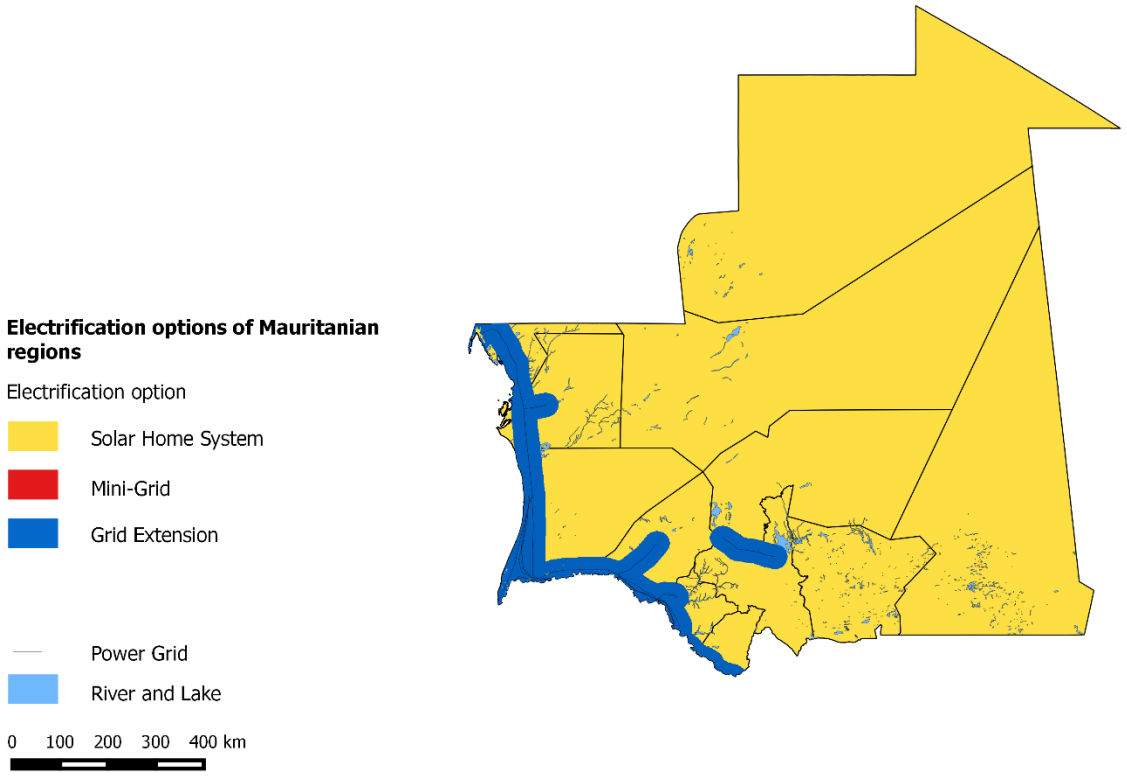


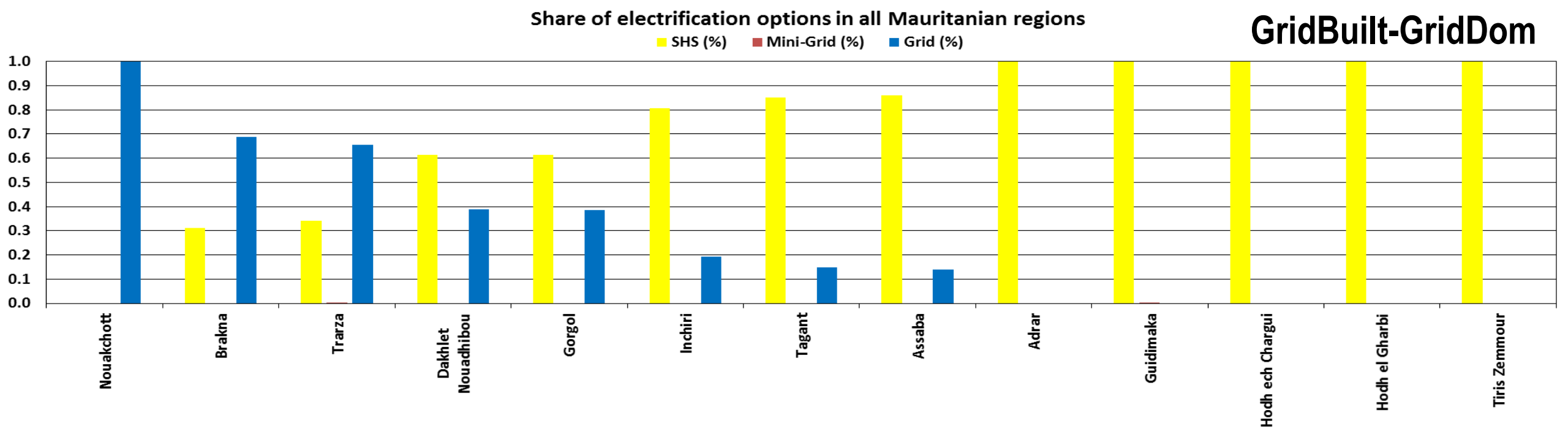


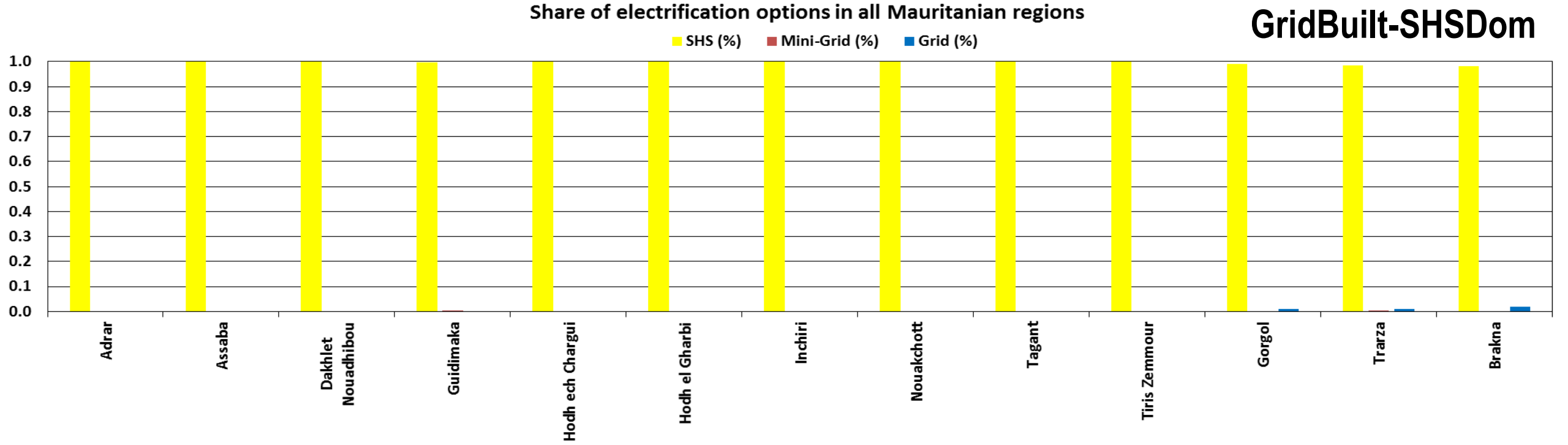
Electrification option: GridBuilt-SHSDom



Electrification option: GridBuilt-GridDom




Share of electrification options in all Mauritanian regions
SHS (%)
Mini-Grid (%)
Grid (%)
GridBuilt-GridDom
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Nouakchott
Brakna
Trarza
Dakhlet Nouadhibou
Gorgol
Inchiri
Tagant
Assaba
Adrar
Guidimaka
Hodh ech Chargui
Hodh el Gharbi
Tiris Zemmour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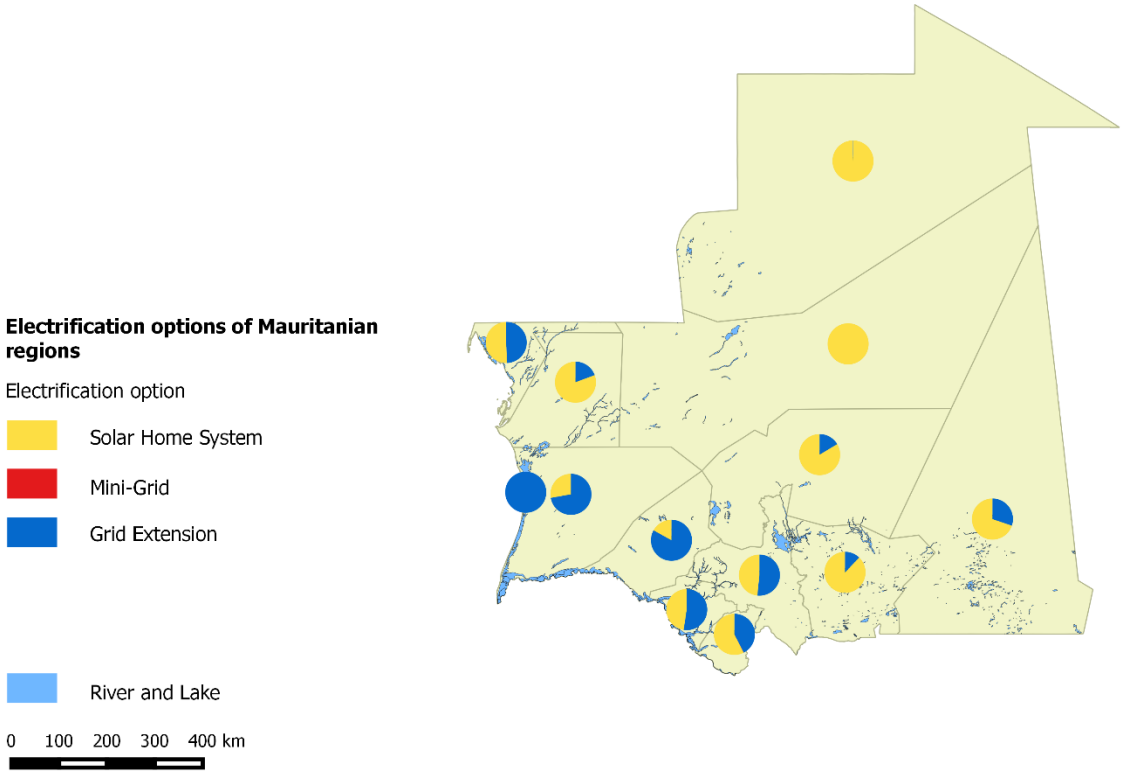
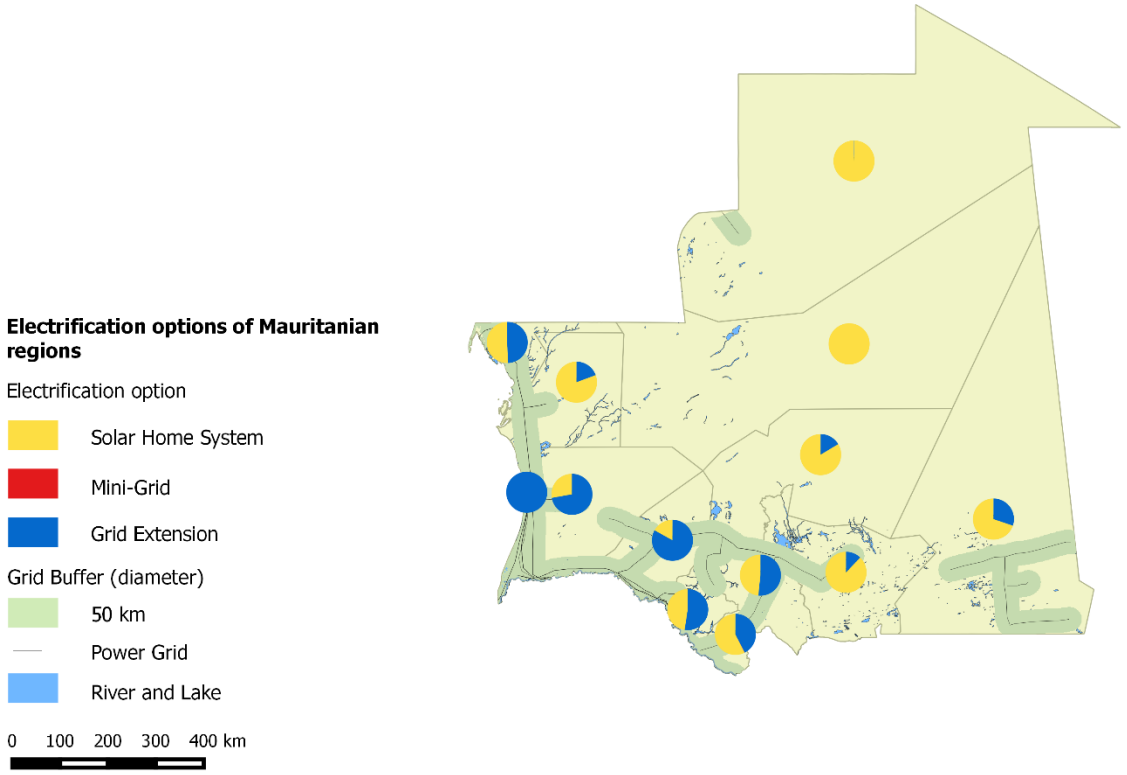
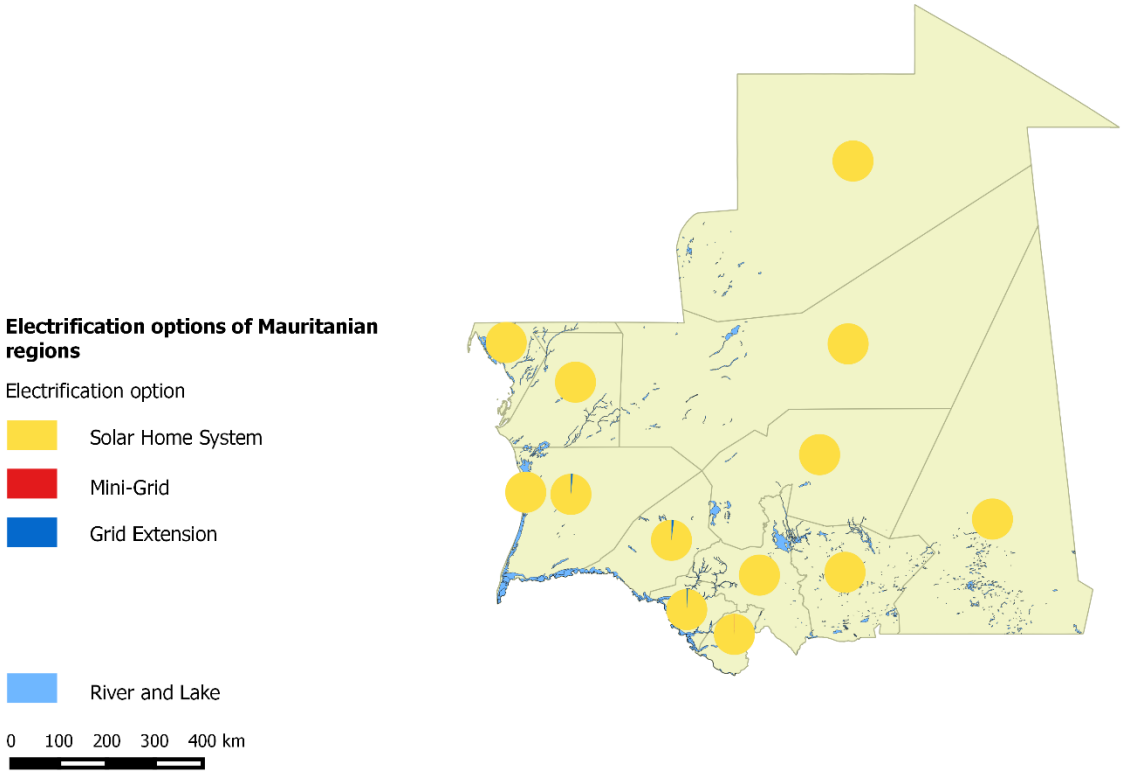
Inchiri
Nouakchott
Tagant
Tiris Zemmour
Gorgol
Trarza
Brakna

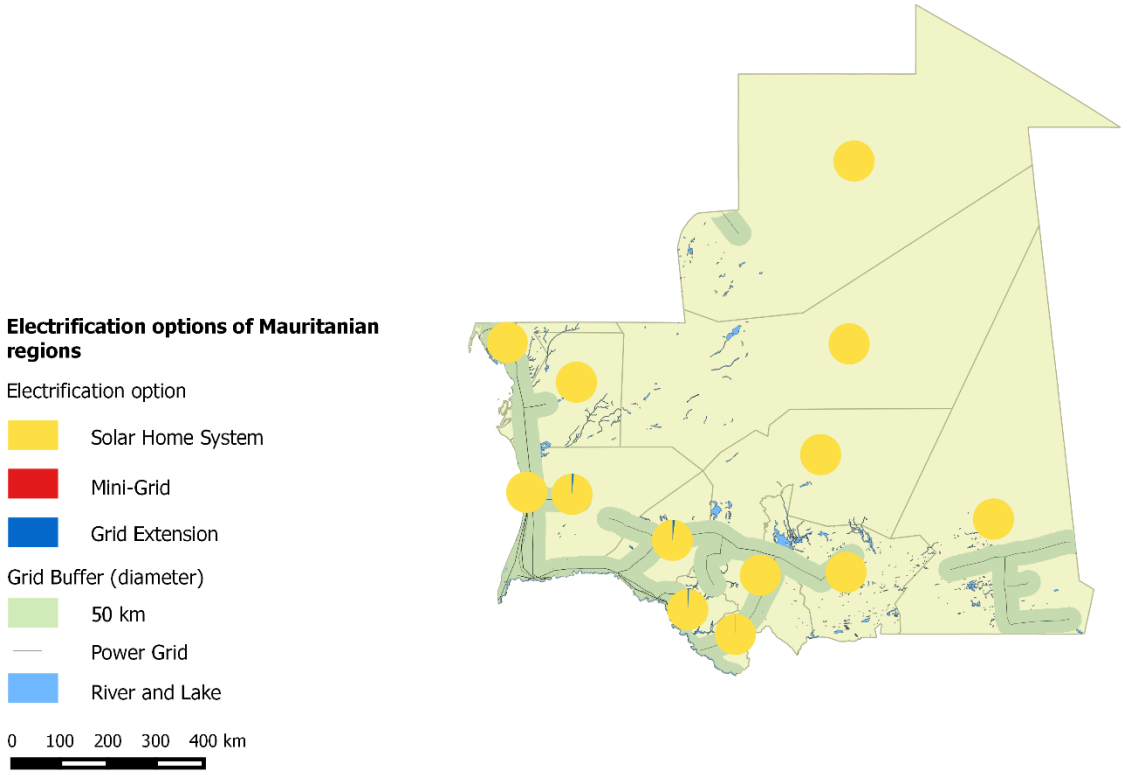
Electrification option in all Mauritanian regions: GridPlanned-GridDom





Electrification option in all Mauritanian regions: GridPlanned-SHSDom





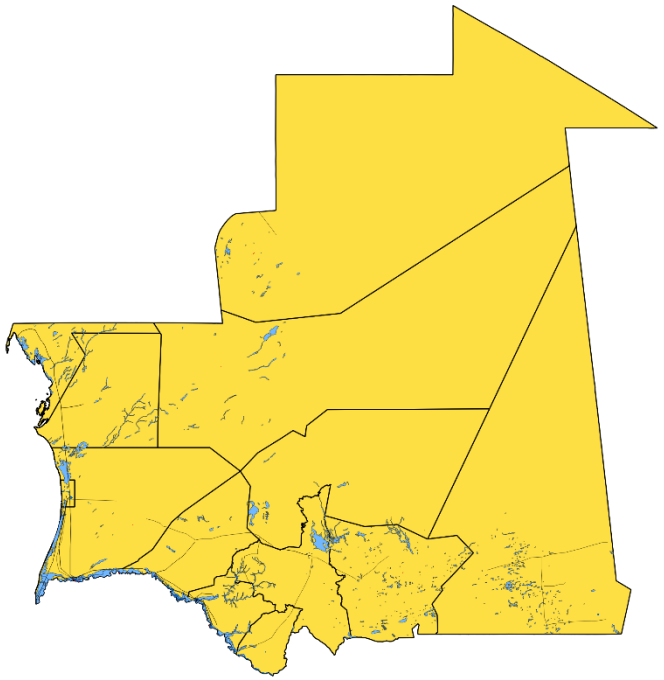
Electrification option: GridPlanned-SHSDom

Electrification options of Mauritanian regions

Electrification option

- Solar Home System
- Mini-Grid
- Grid Extension
- Power Grid
- River and Lake

0 100 200 300 400 km



Electrification option: GridPlanned-GridDom

Electrification options of Mauritanian regions

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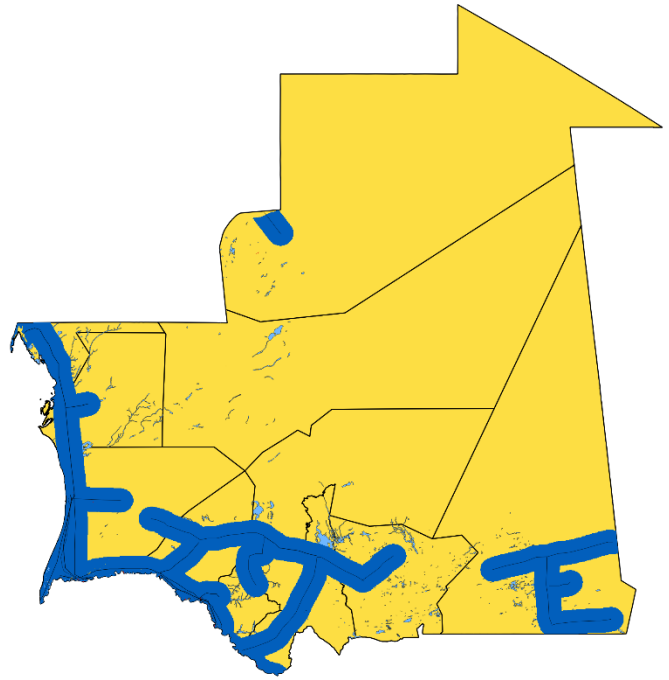

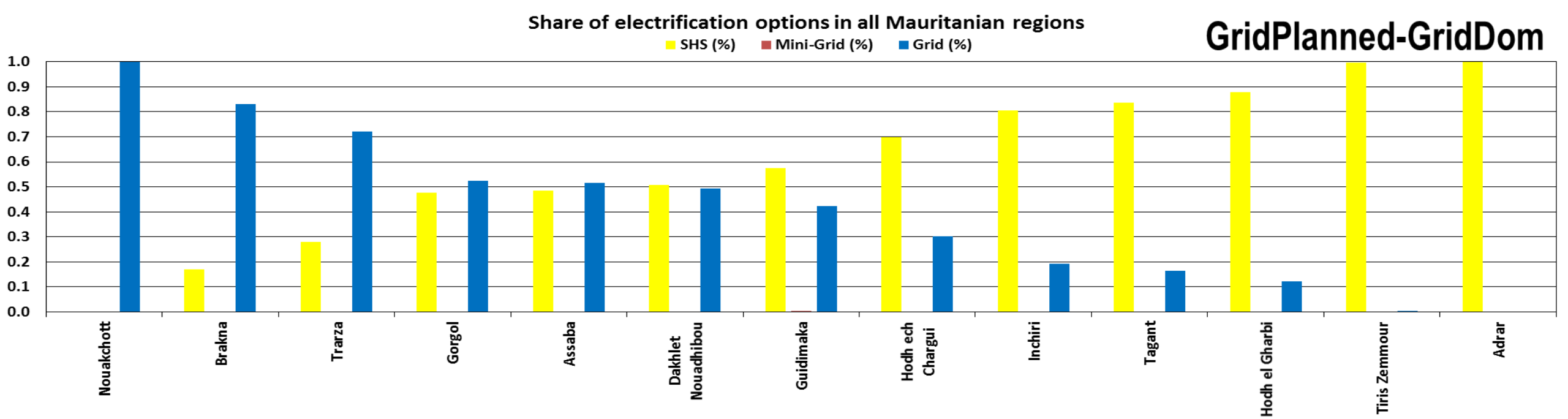
Share of electrification options in all Mauritanian regions
SHS (%)
Mini-Grid (%)
Grid (%)
GridPlanned-GridDom
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Nouakchott
Brakna
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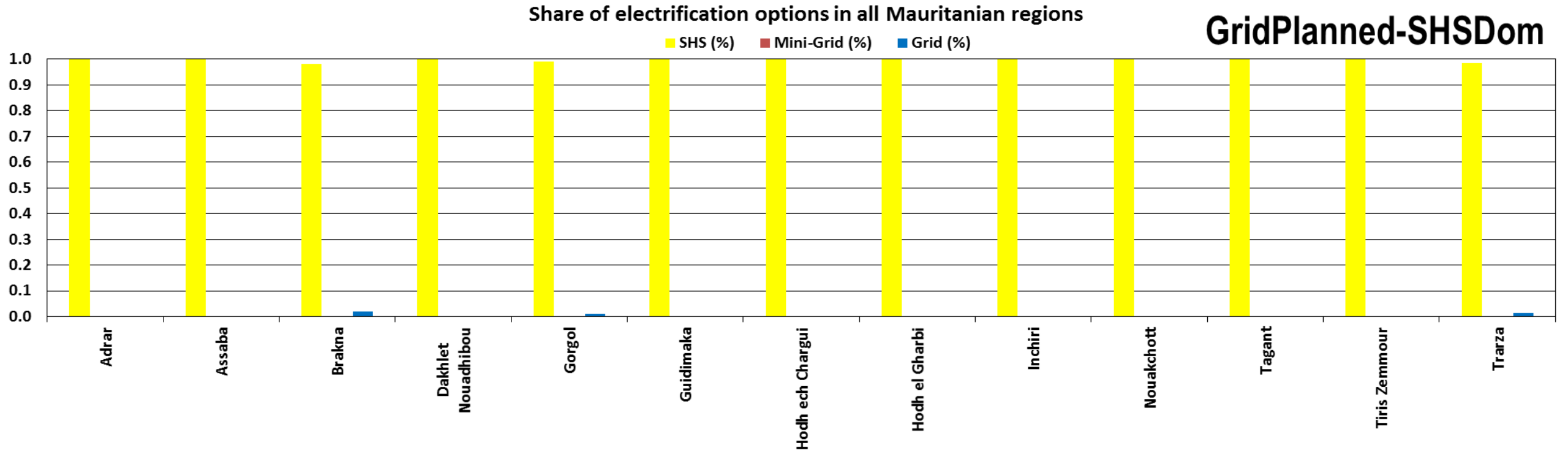
Hodh el Gharbi
Tiris Zemmour
Adrar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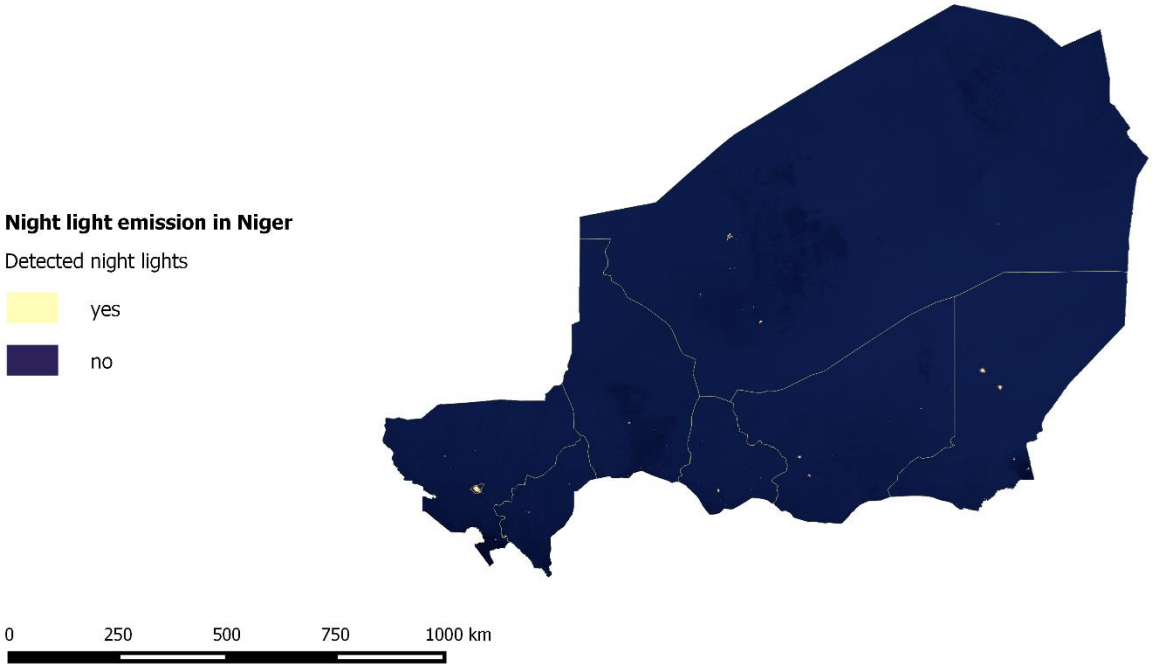
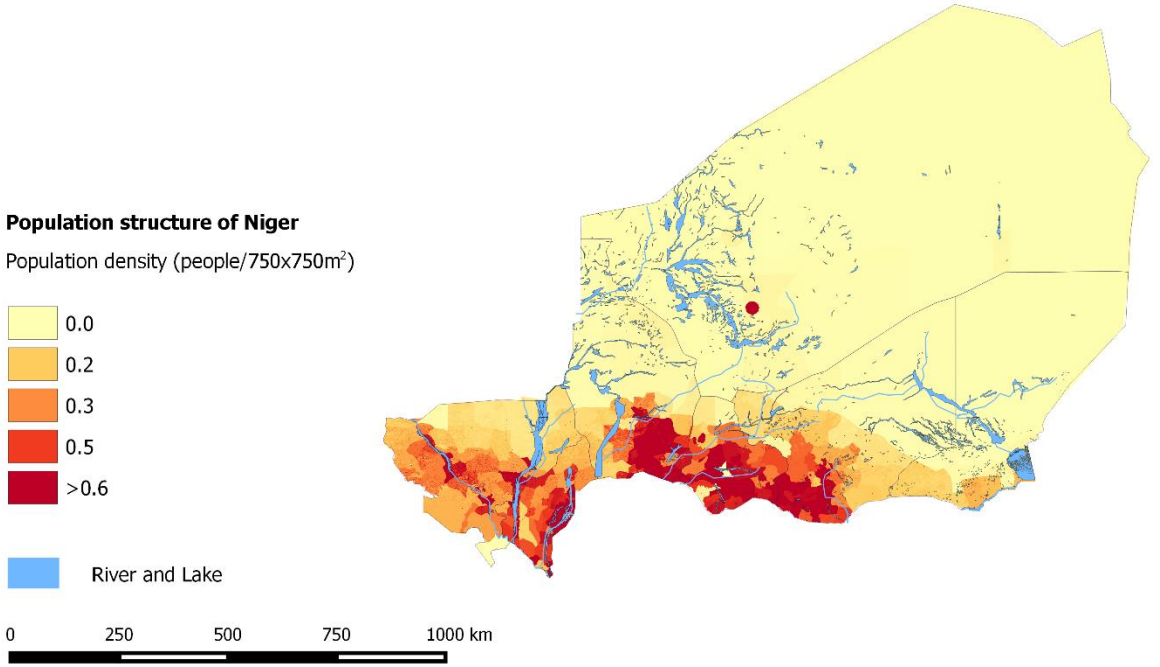
Nouakchott
Tagant
Tiris Zemmour
Trarza

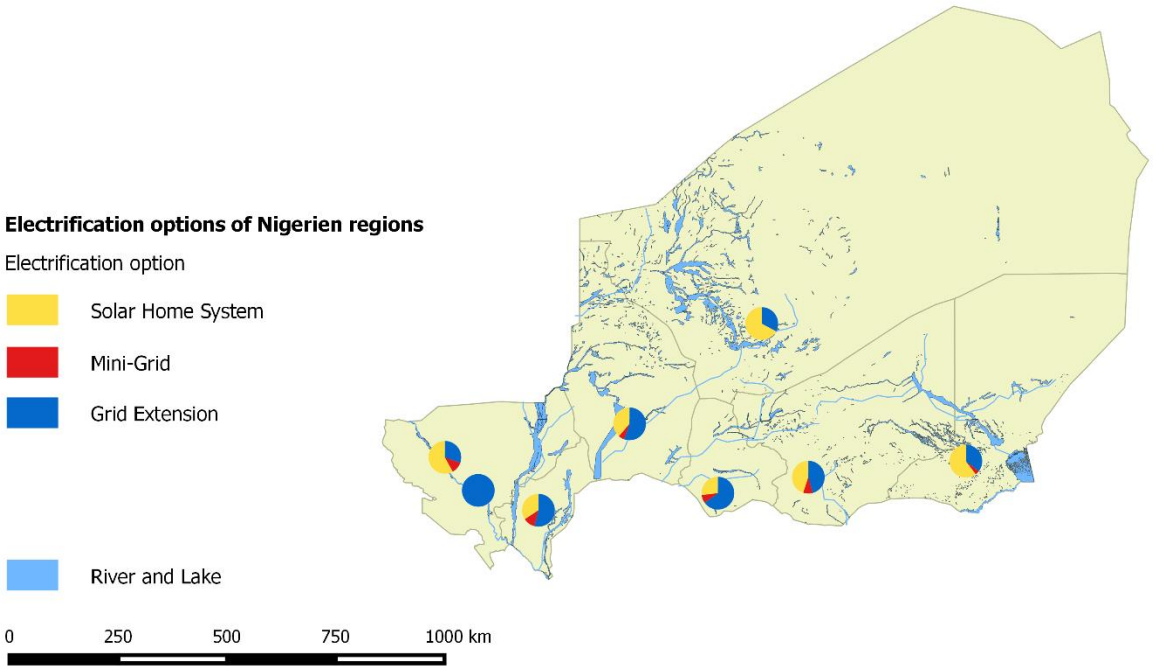
Niger

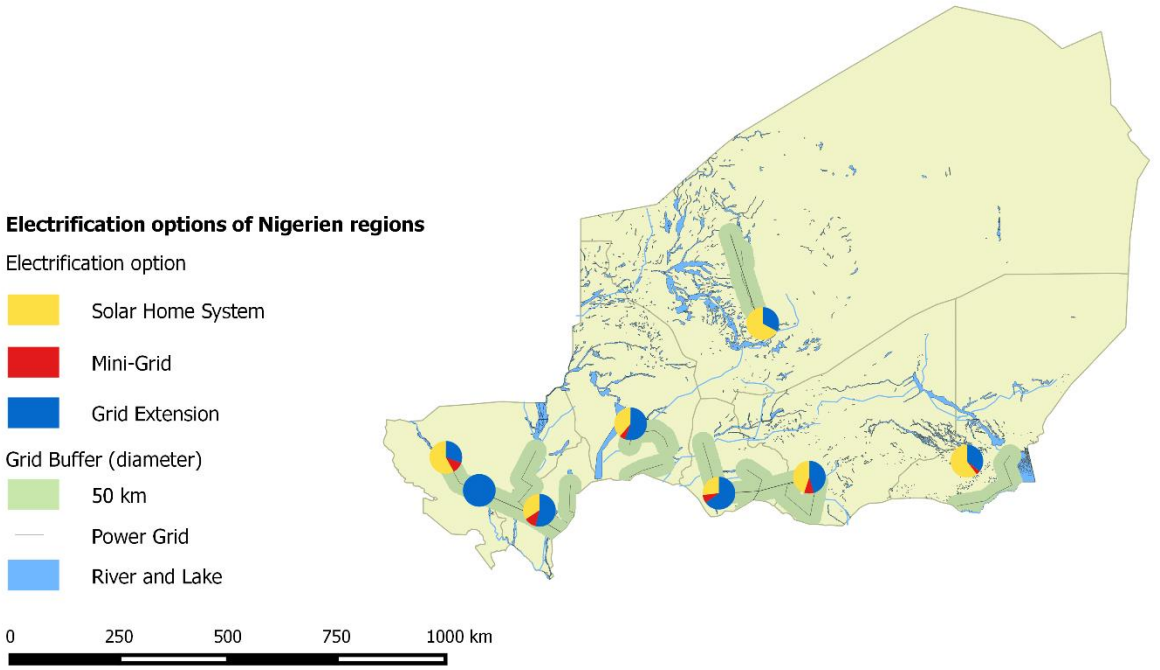
Night light emission and Population of Nigerien regions



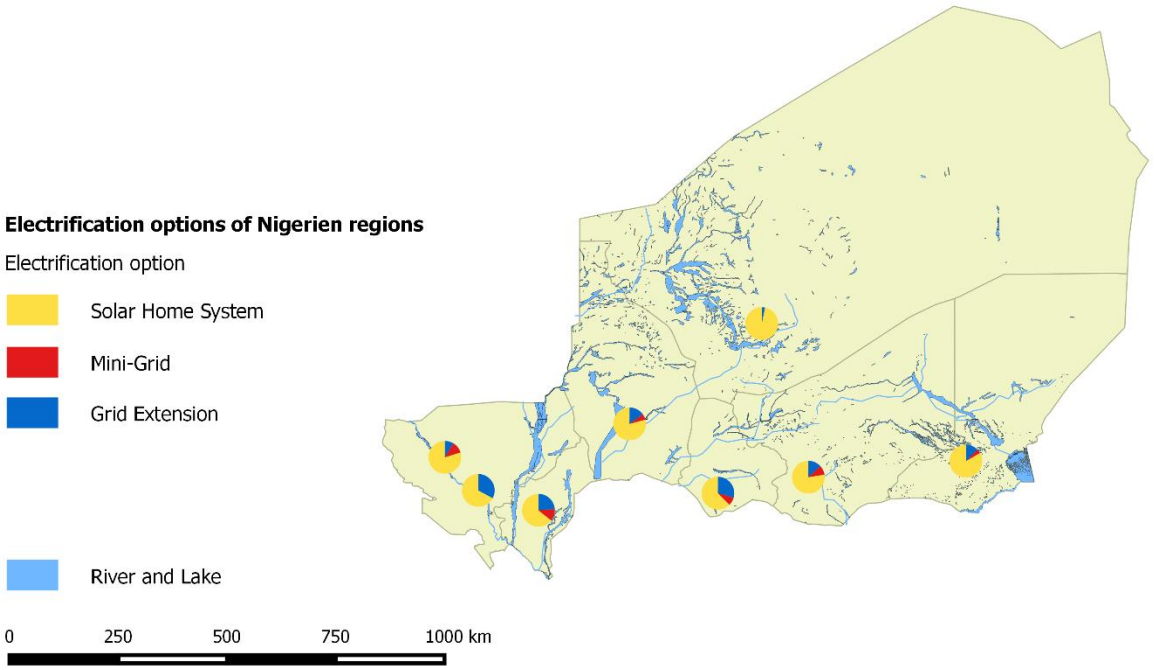


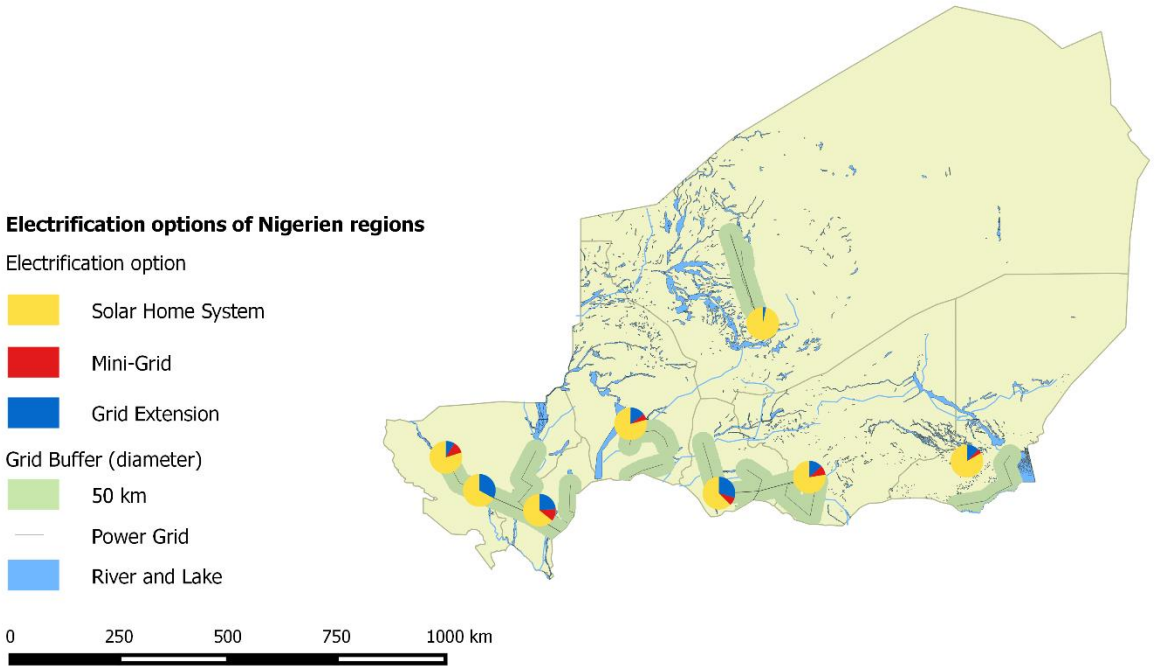
Electrification option in all Nigerien regions: GridBuilt-GridDom



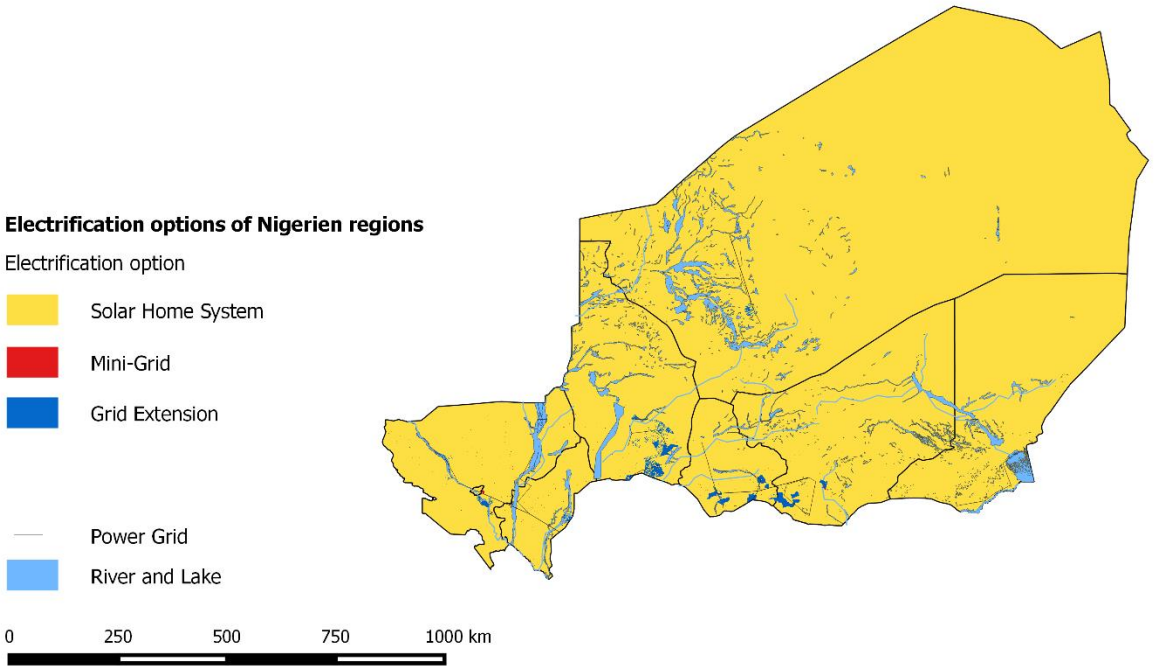


Electrification option in all Nigerien regions: GridBuilt-SHSDom

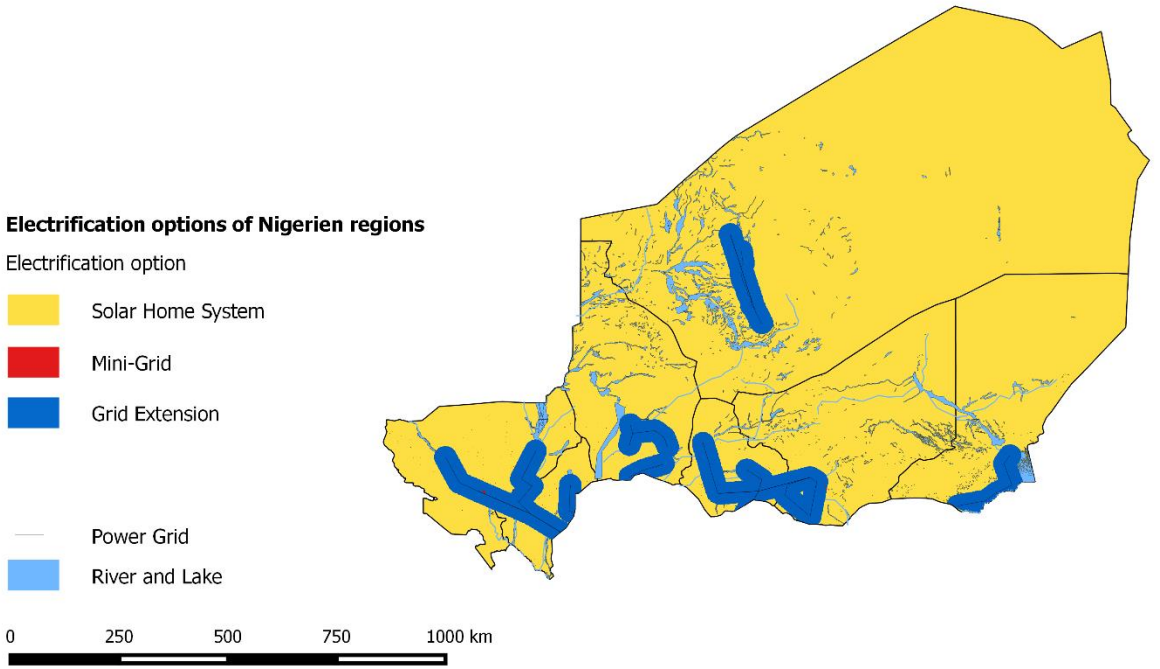




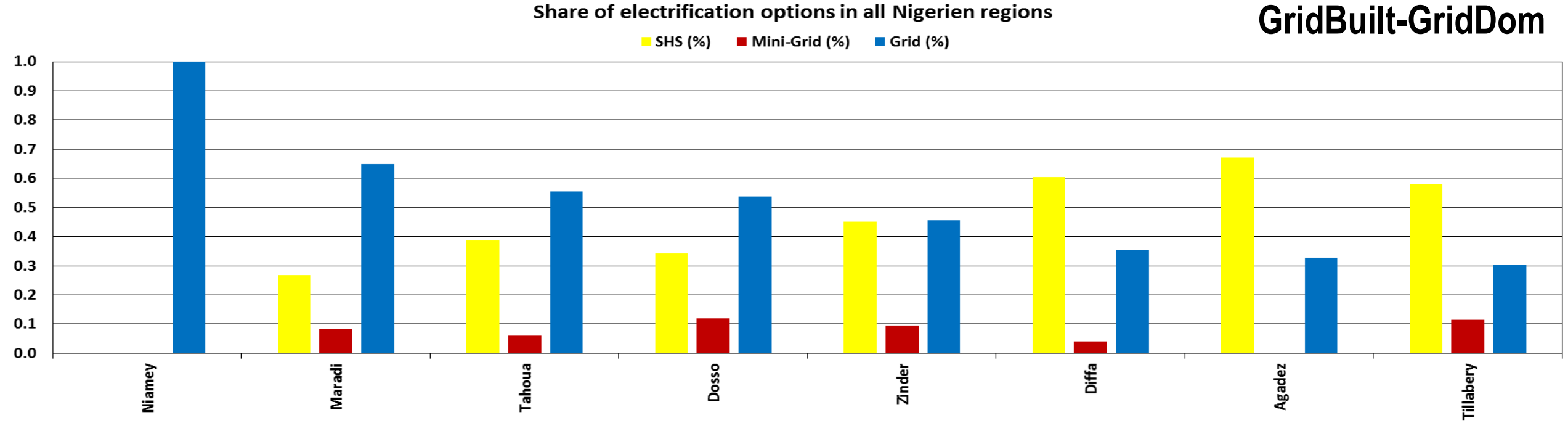
Electrification option: GridBuilt-SHSDom



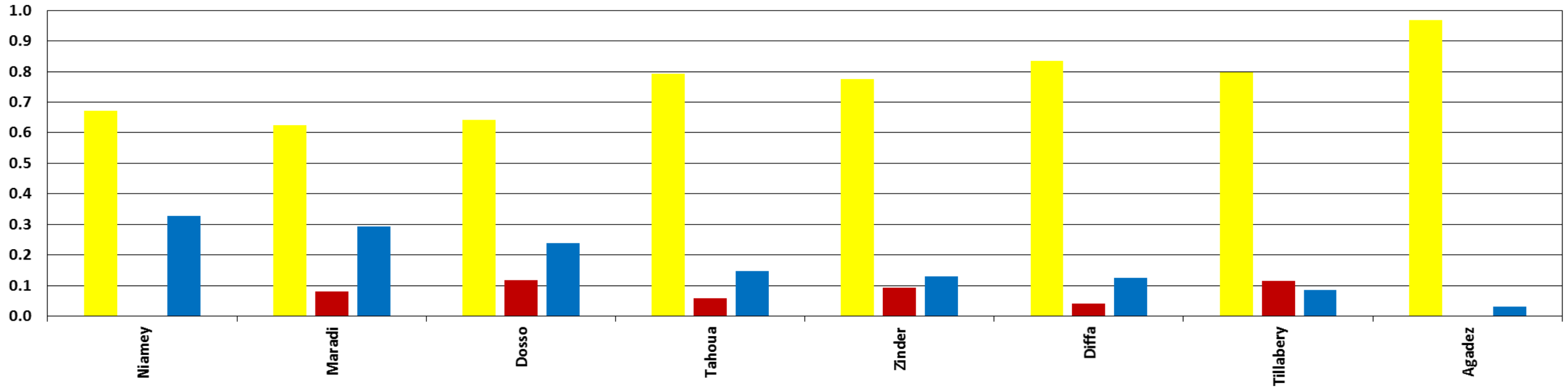
Electrification option: GridBuilt-GridDom



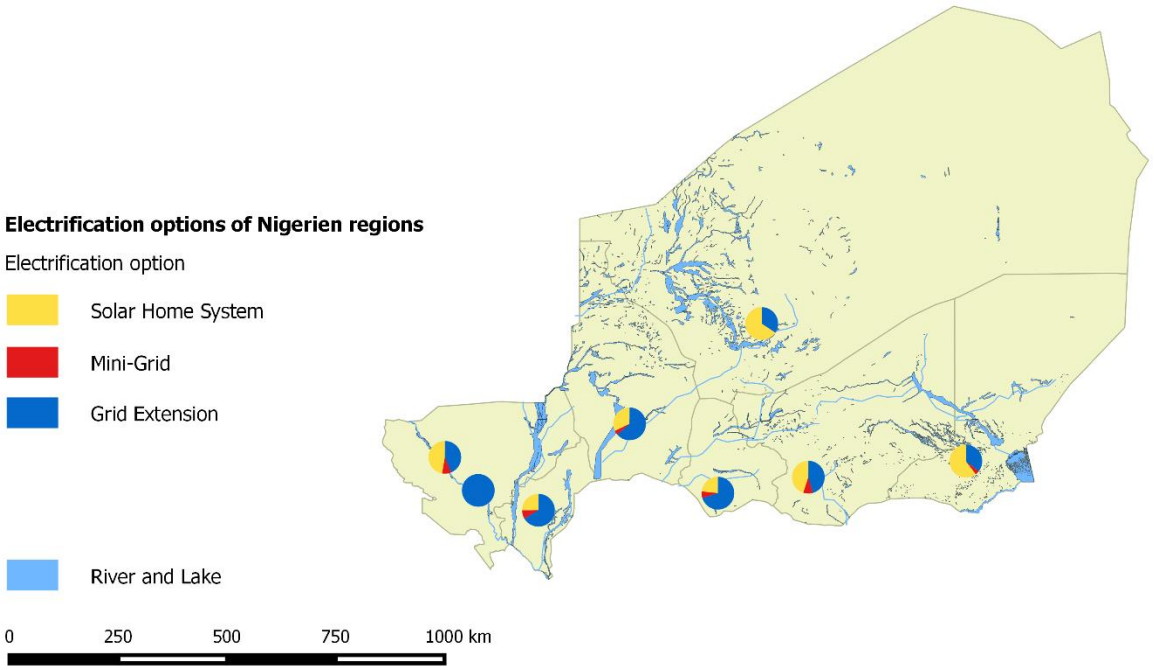
GridBuilt-GridDom

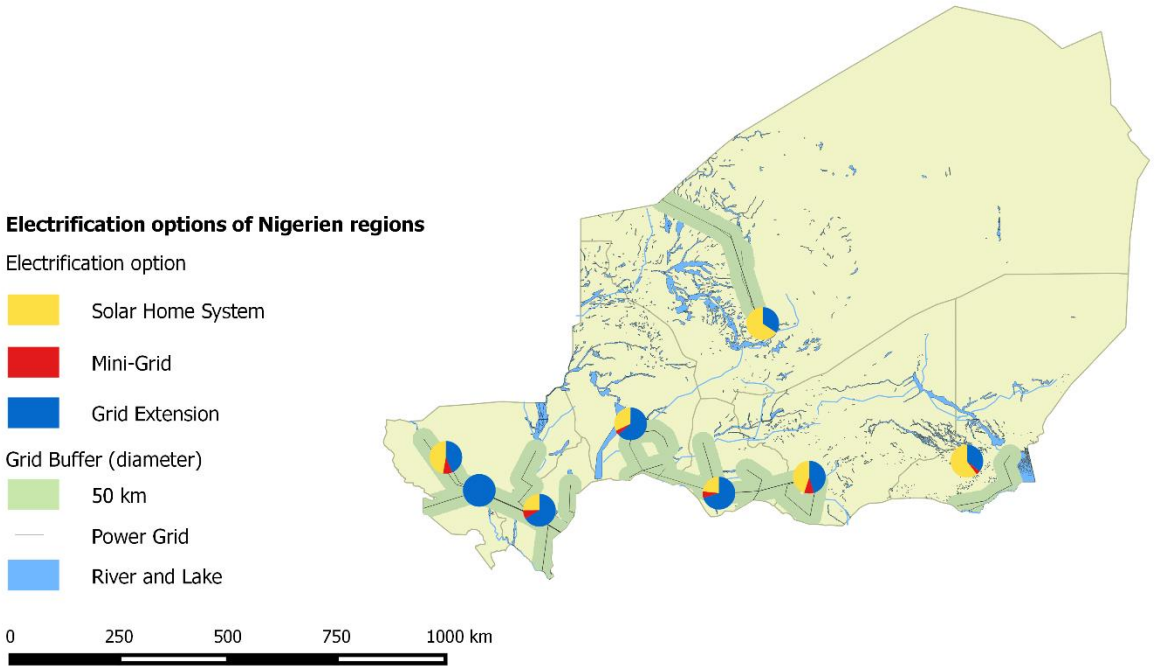


GridBuilt-SHSDom

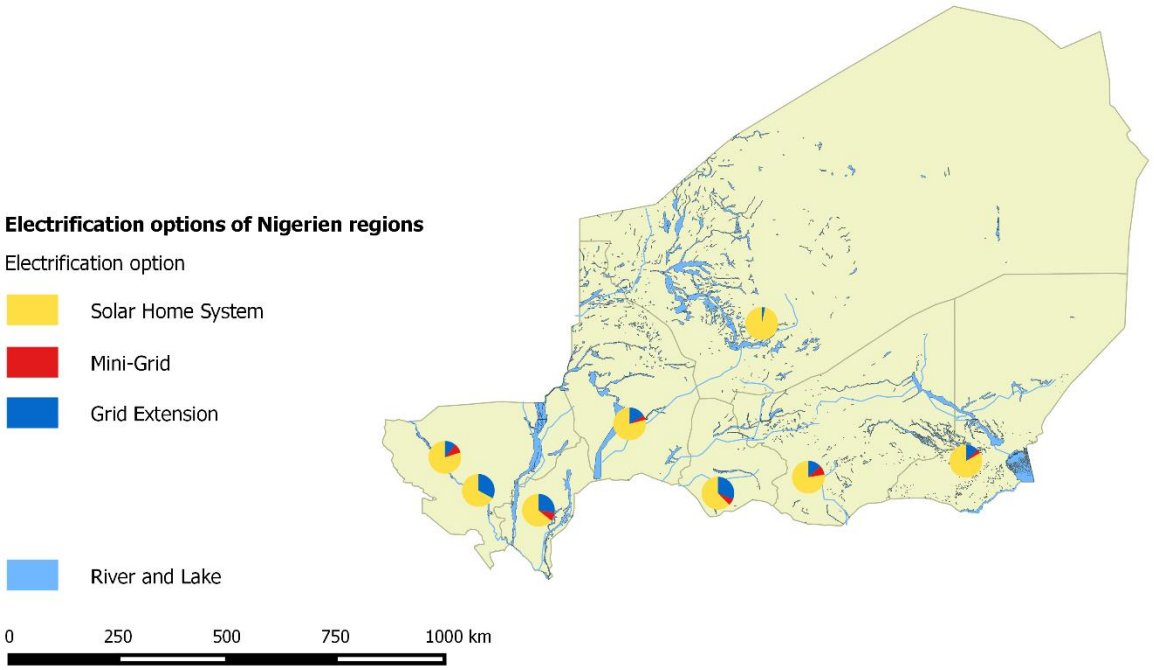


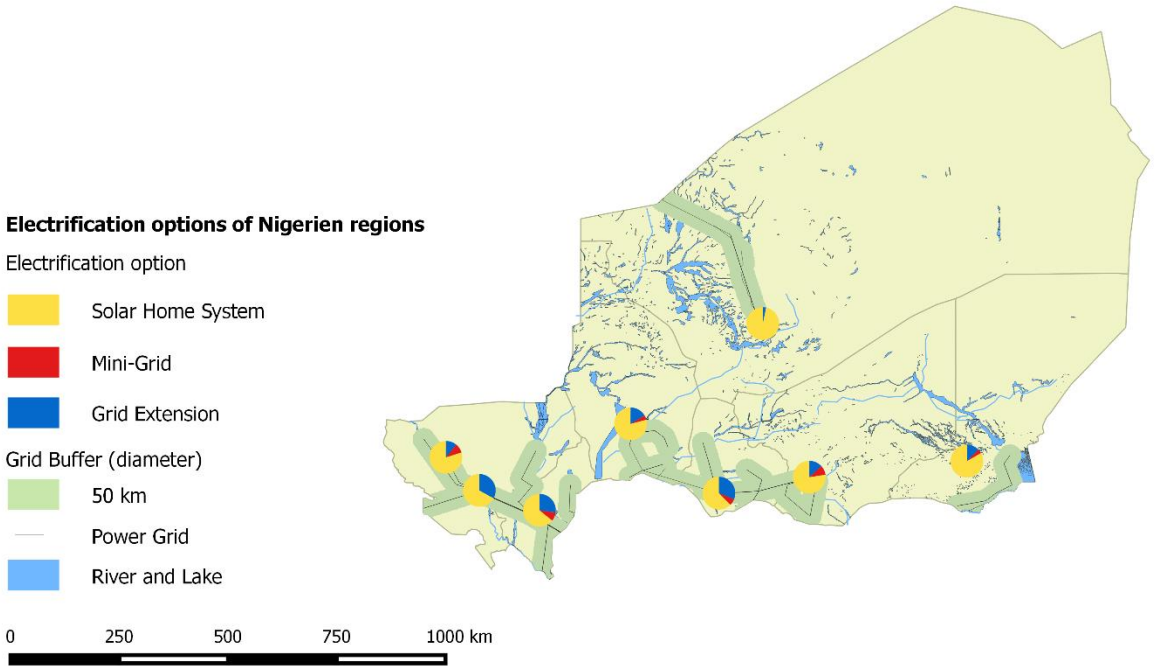
Electrification option in all Nigerien regions: GridPlanned-GridDom



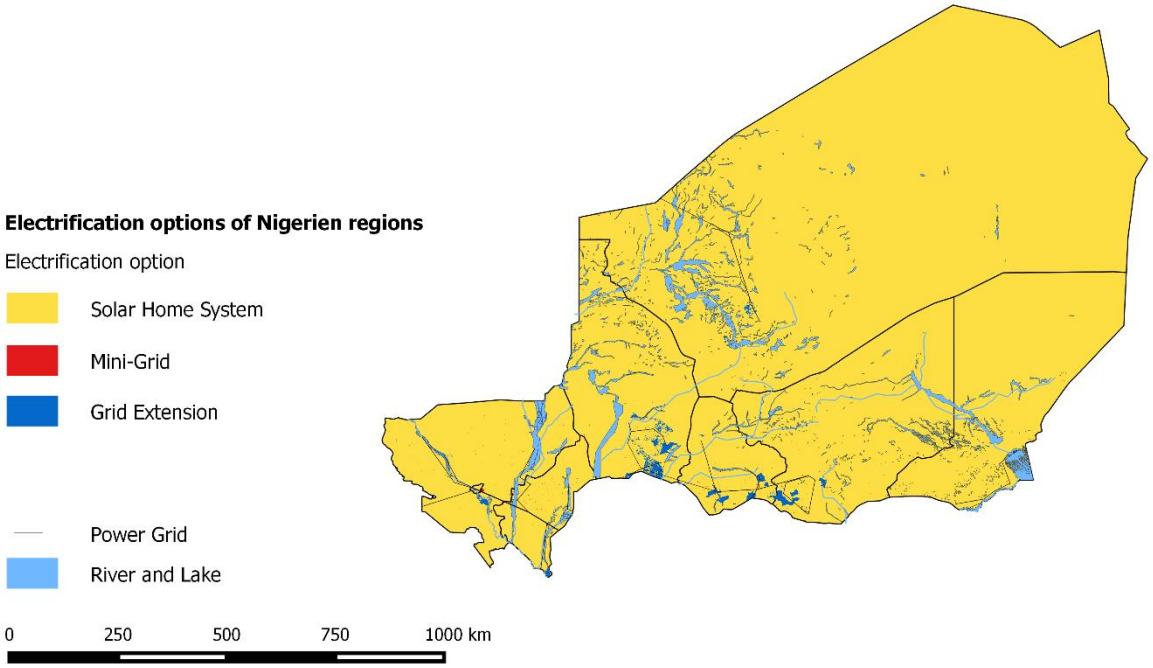


Electrification option in all Nigerien regions: GridPlanned-SHSDom

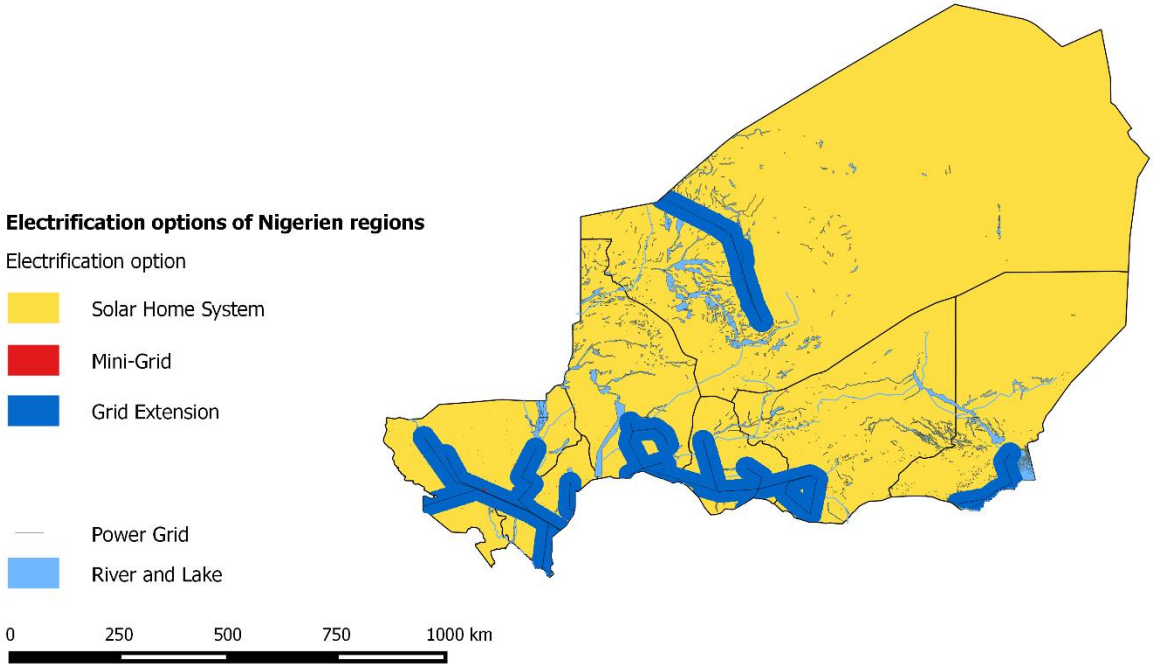




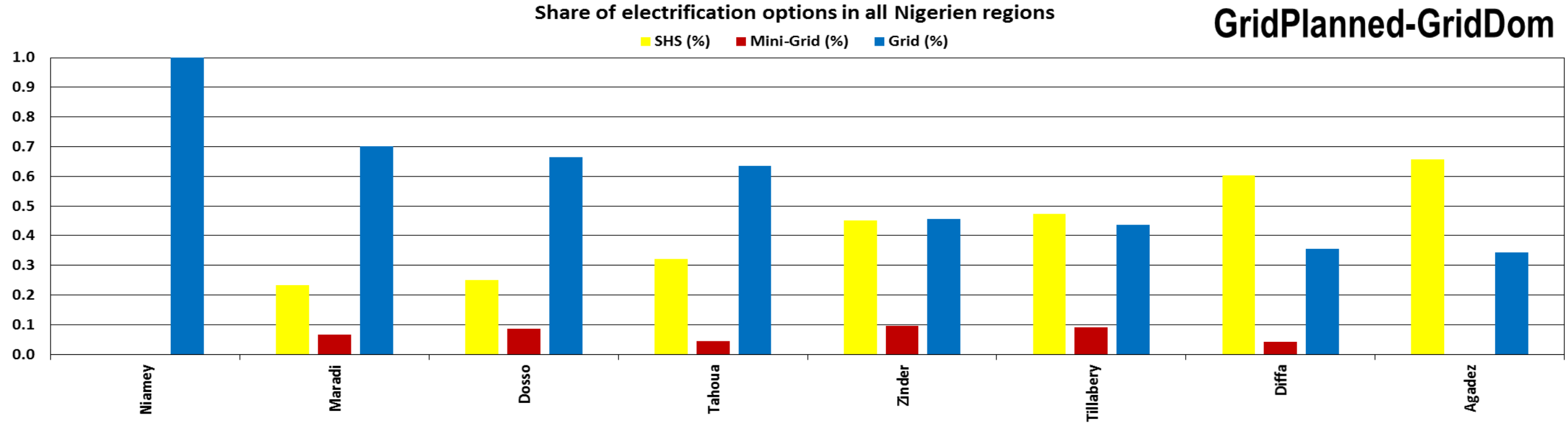
Electrification option: GridPlanned-SHSDom



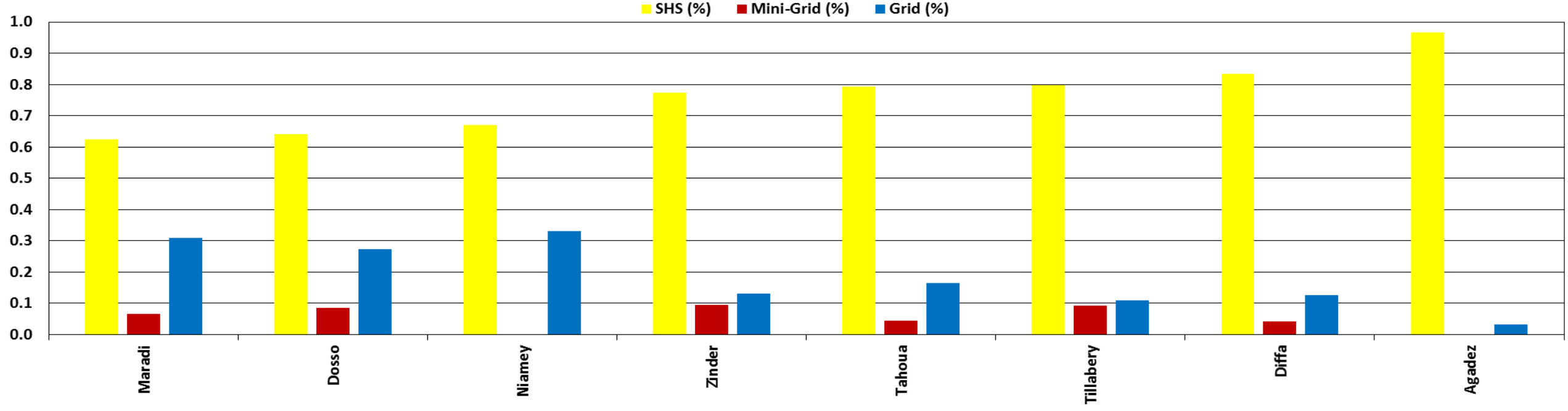
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom



GridPlanned-SHSDom



Nigeria

Night light emission and Population of Nigerian states

Night light emission in Nigeria

Detected night lights

yes

no

0 100 200 300 400 km

Population structure in Nigeria

Population density (people/750x750m^2)

0.0

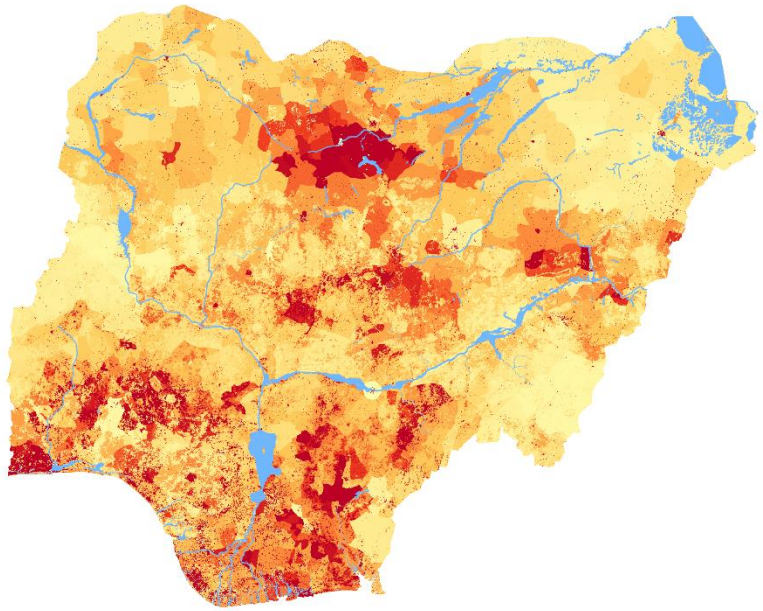
0.5

1.0

1.5

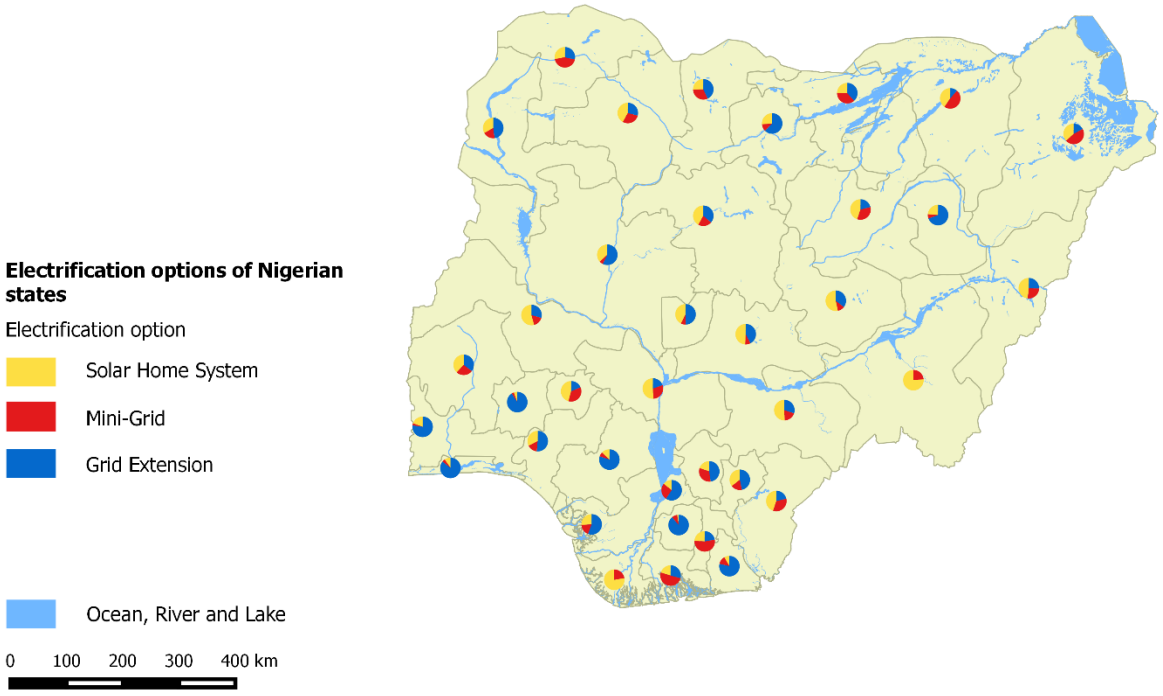
>2.0

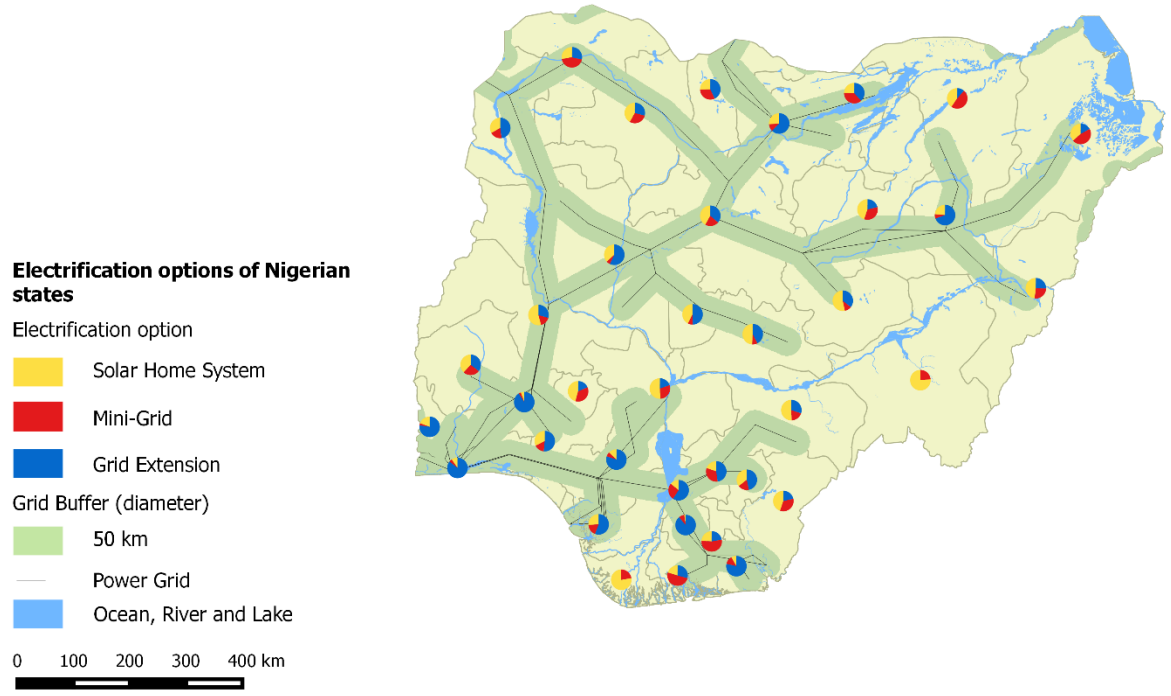
Ocean, River and Lake



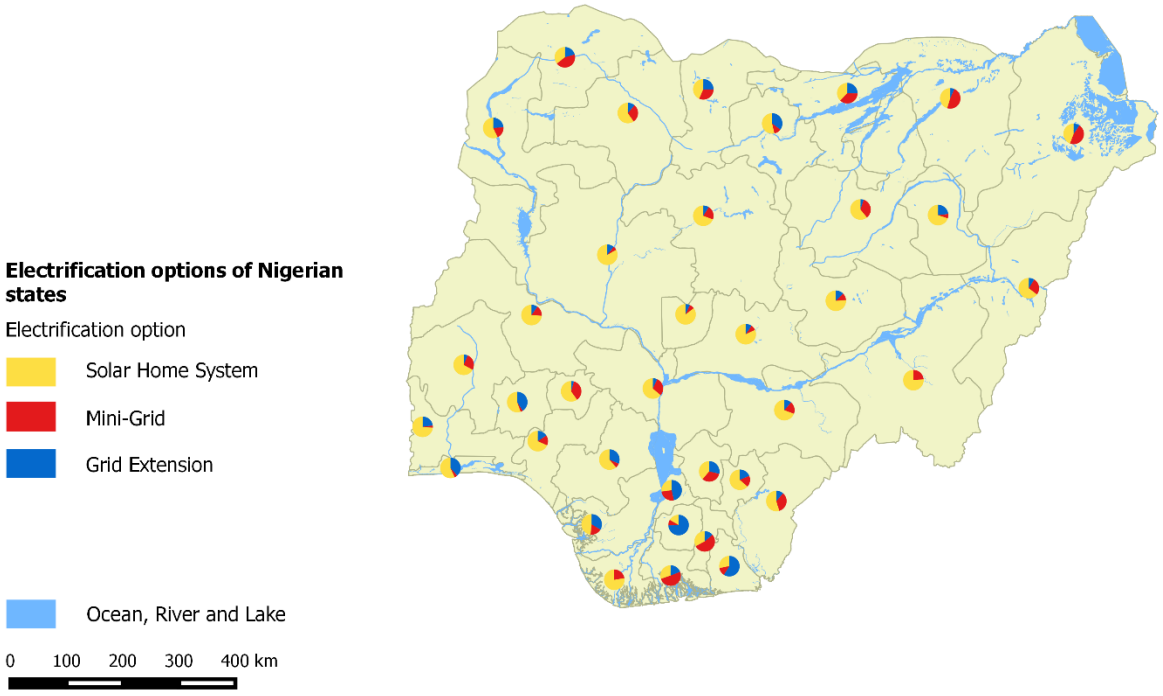
0 100 200 300 400 km

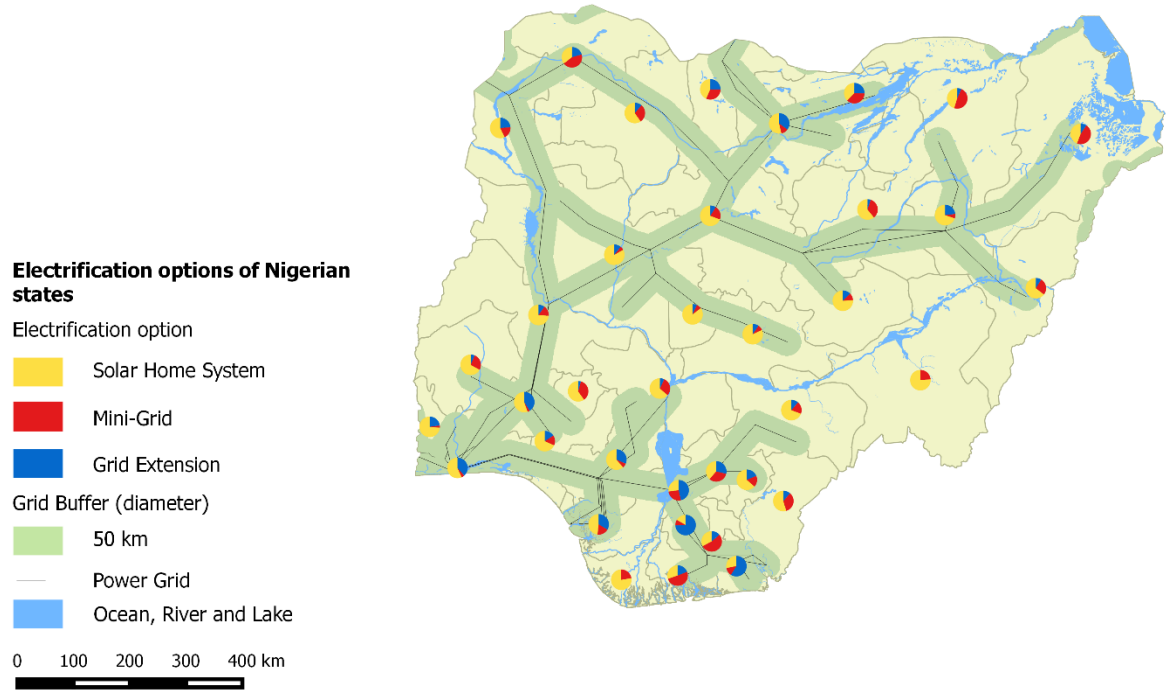
Electrification option in all Nigerian states: GridBuilt-GridDom



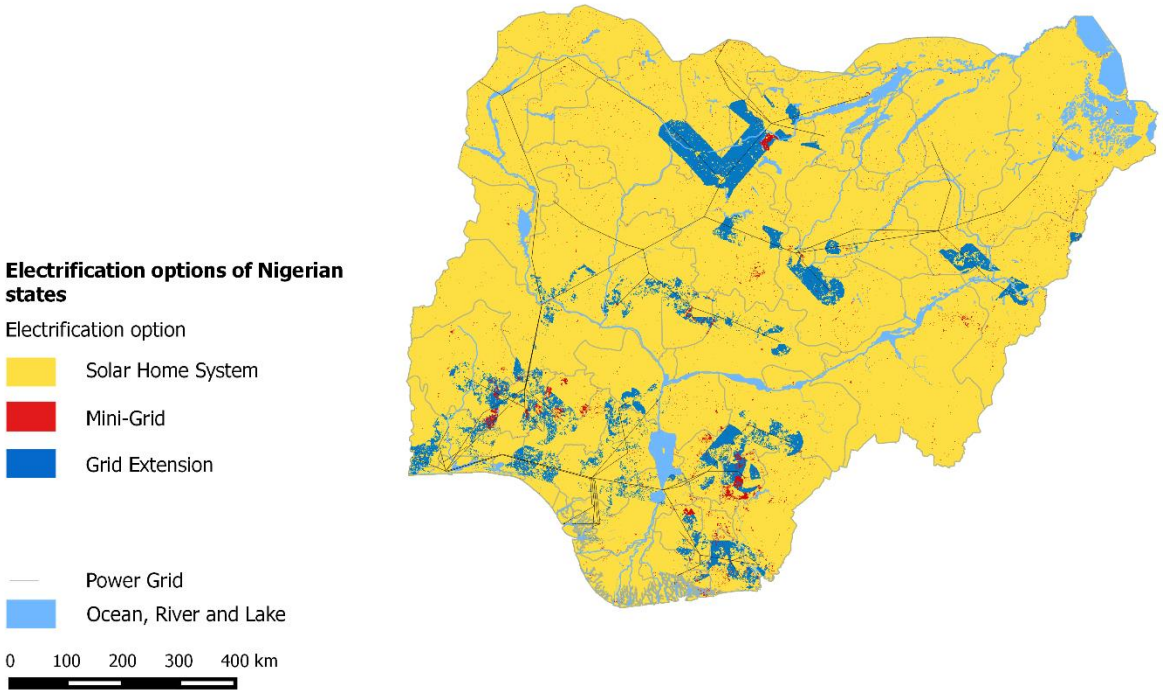


Electrification option in all Nigerian states: GridBuilt-SHSDom

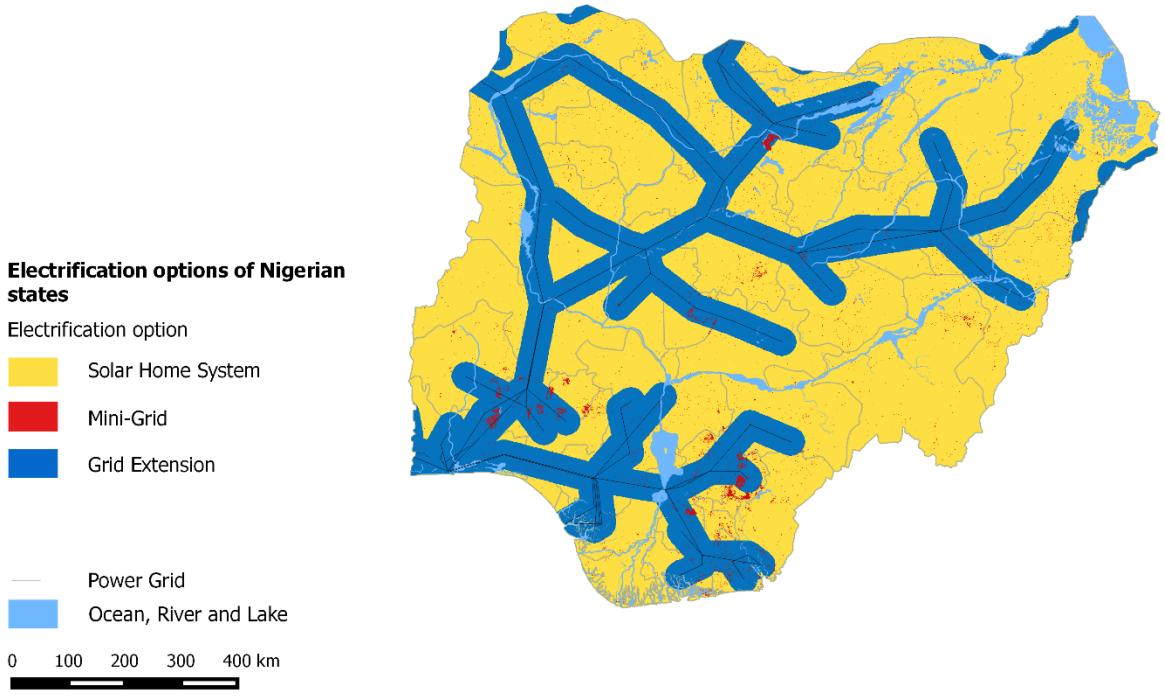




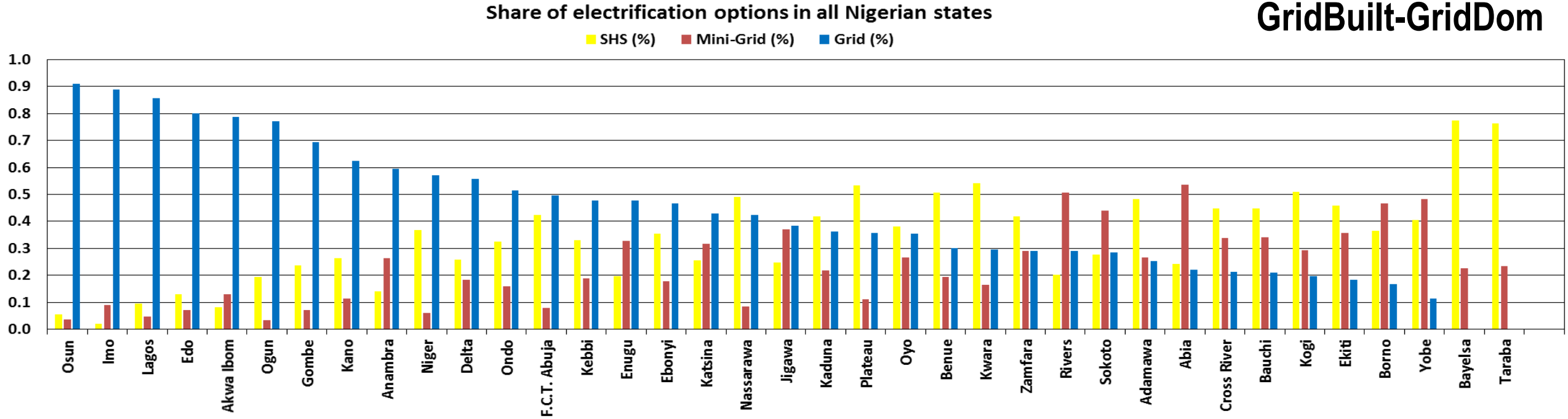
Electrification option: GridBuilt-SHSDom



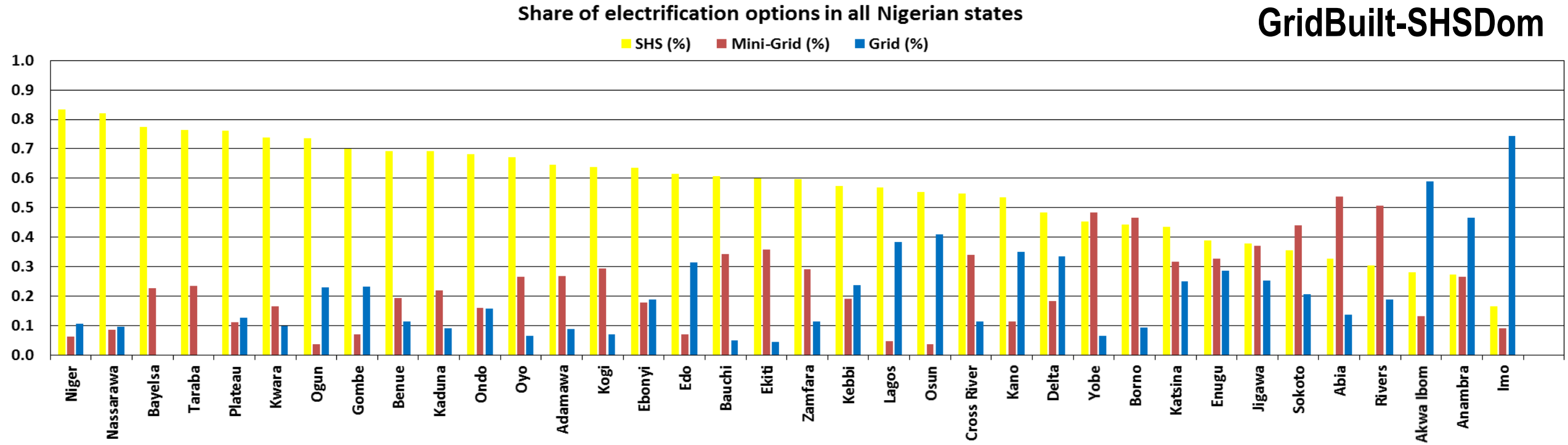
Electrification option: GridBuilt-GridDom



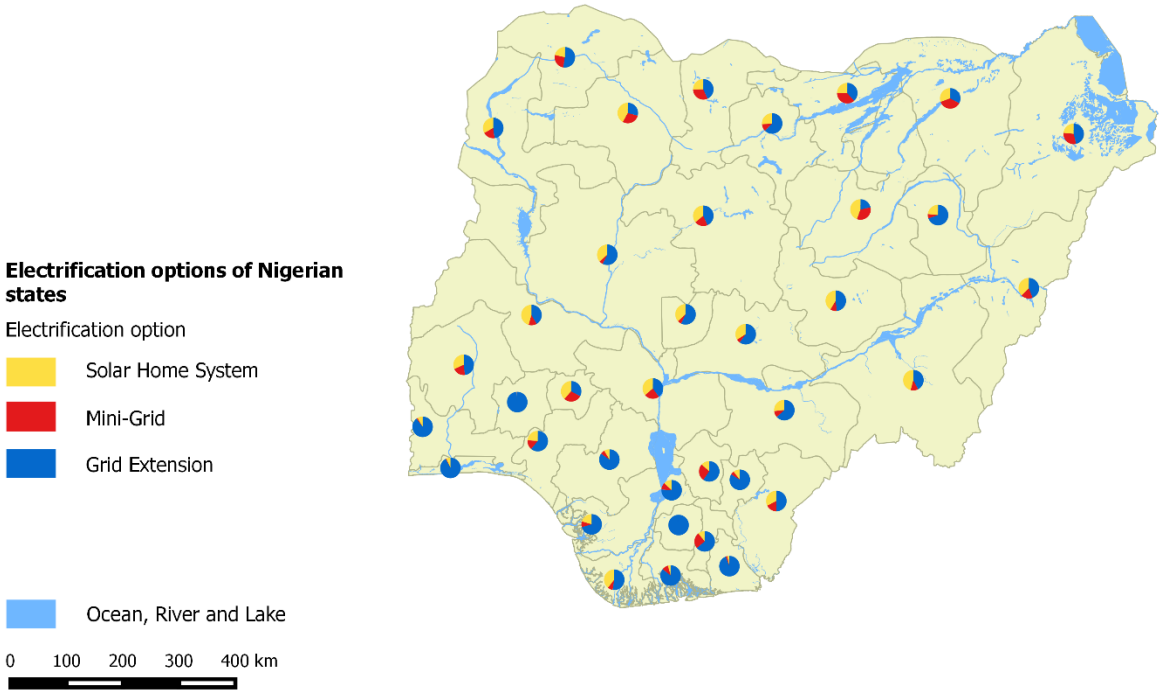
GridBuilt-GridDom

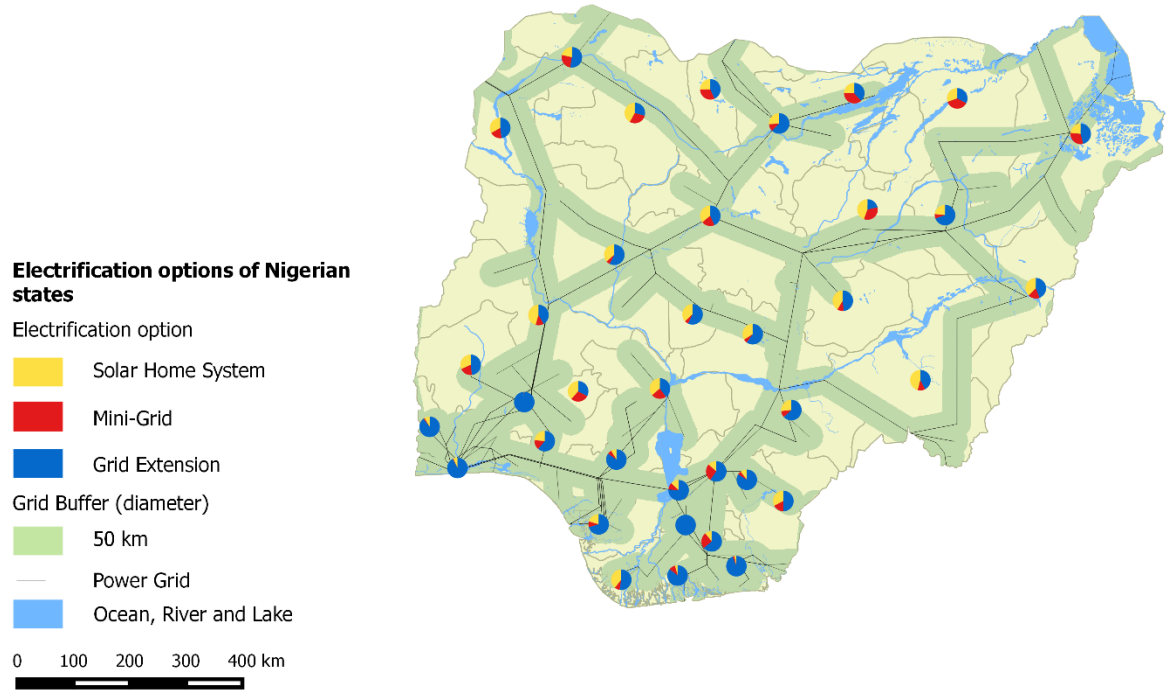


GridBuilt-SHSDom

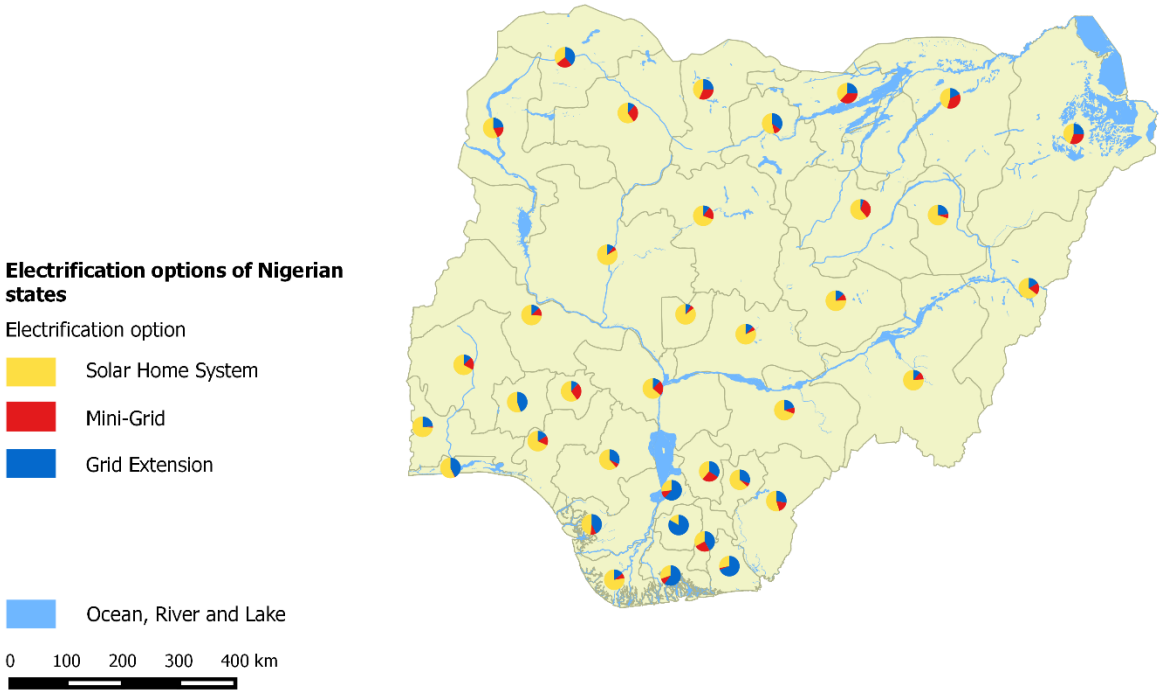


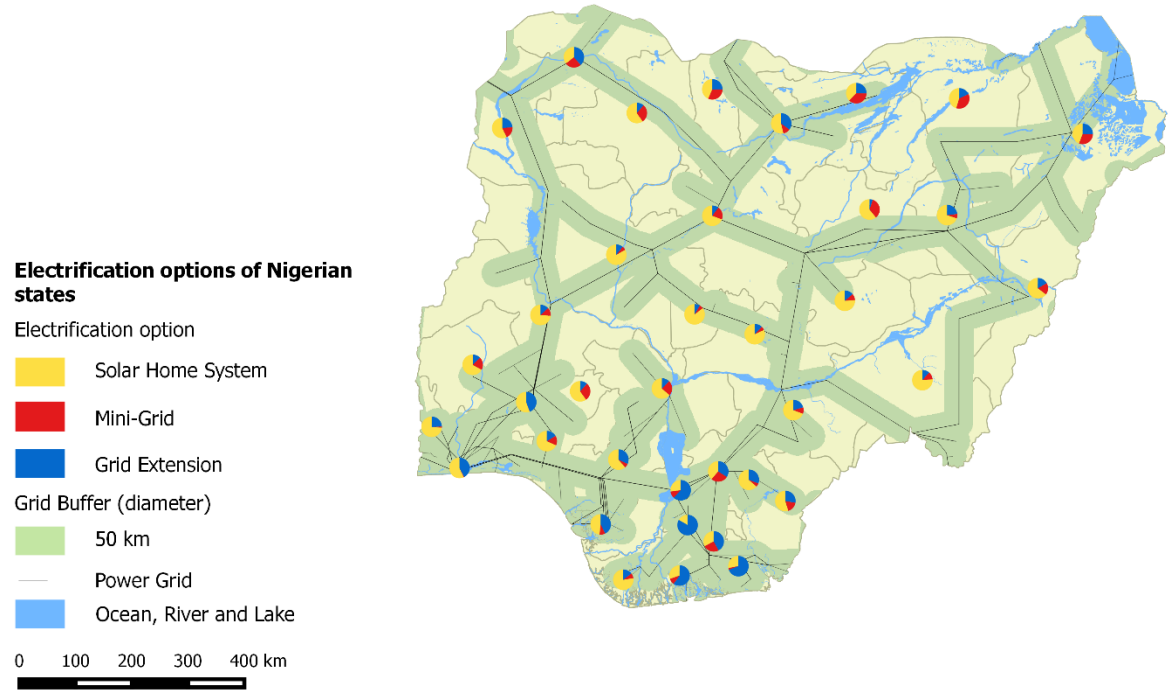
Electrification option in all Nigerian states: GridPlanned-GridDom



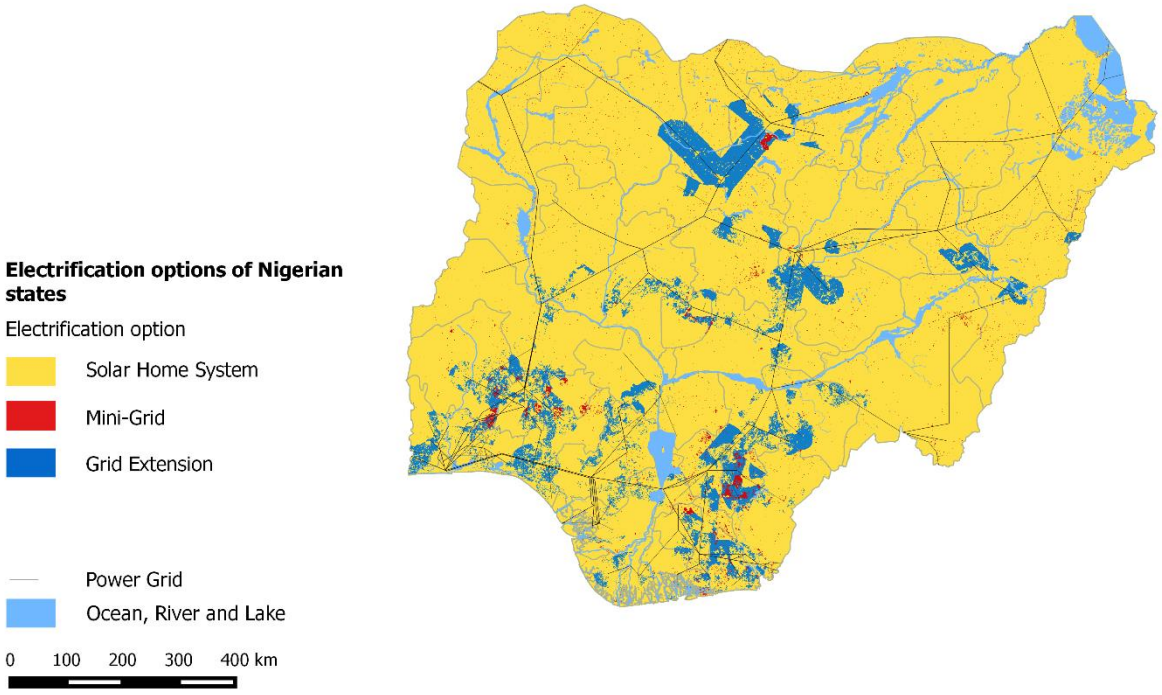


Electrification option in all Nigerian states: GridPlanned-SHSDom

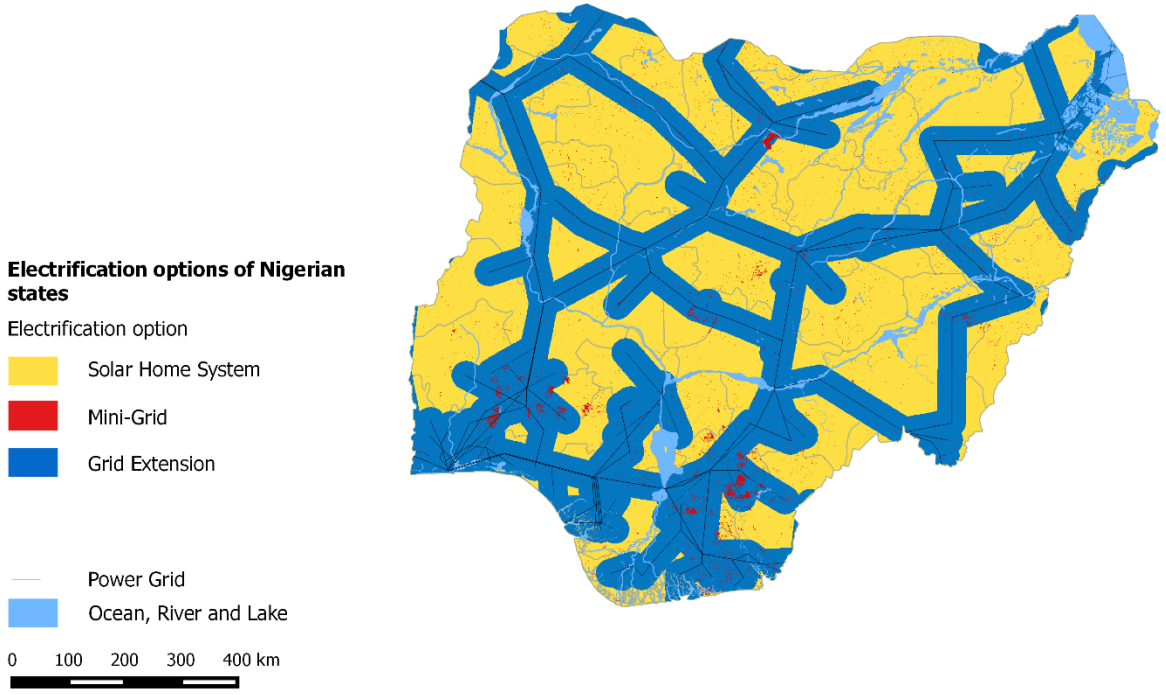




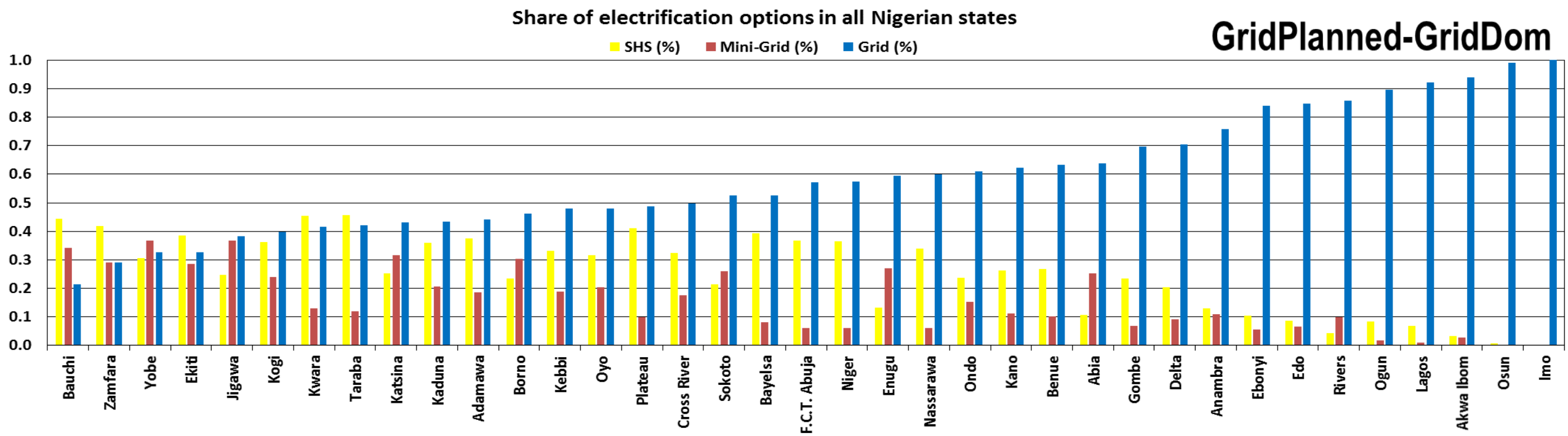
Electrification option: GridPlanned-SHSDom



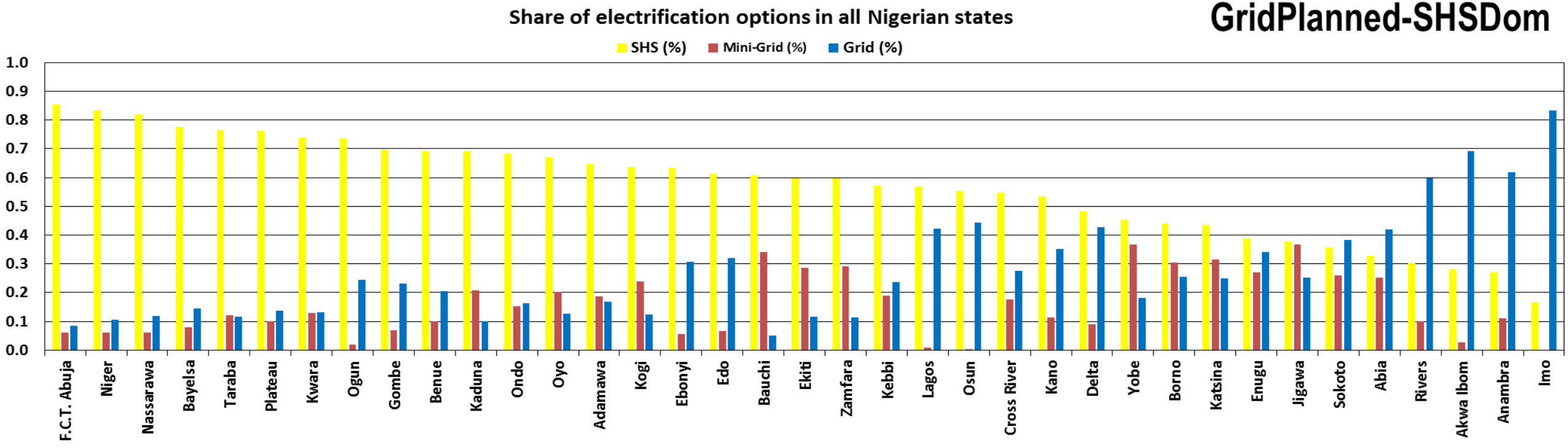
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom

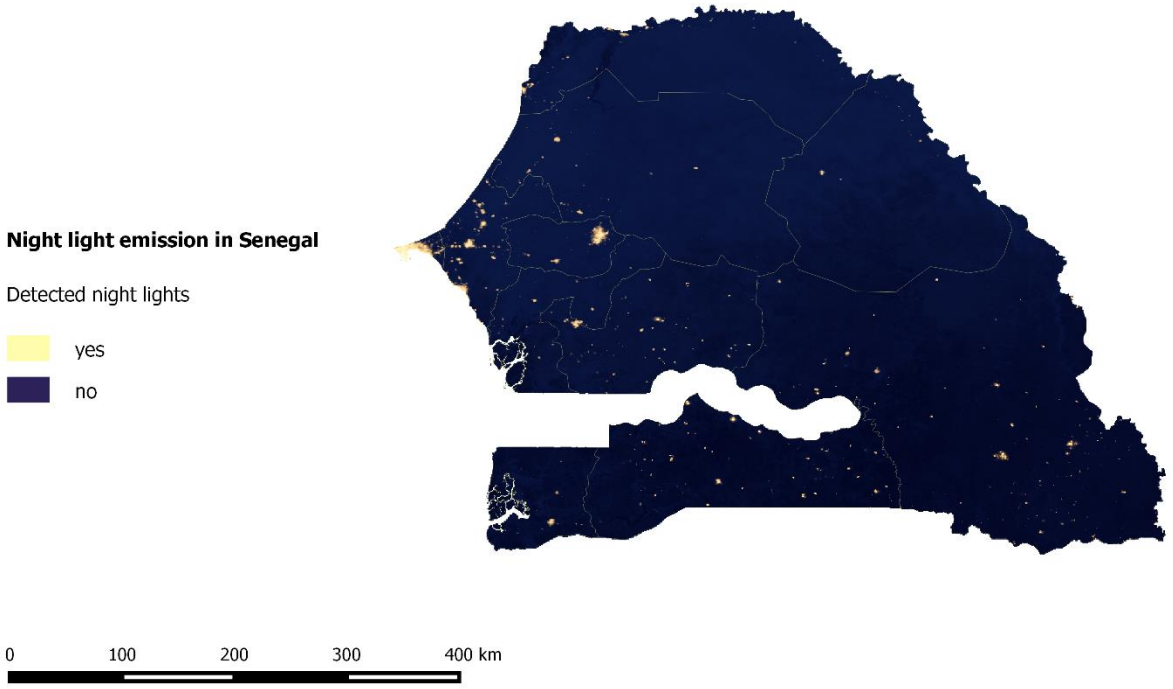


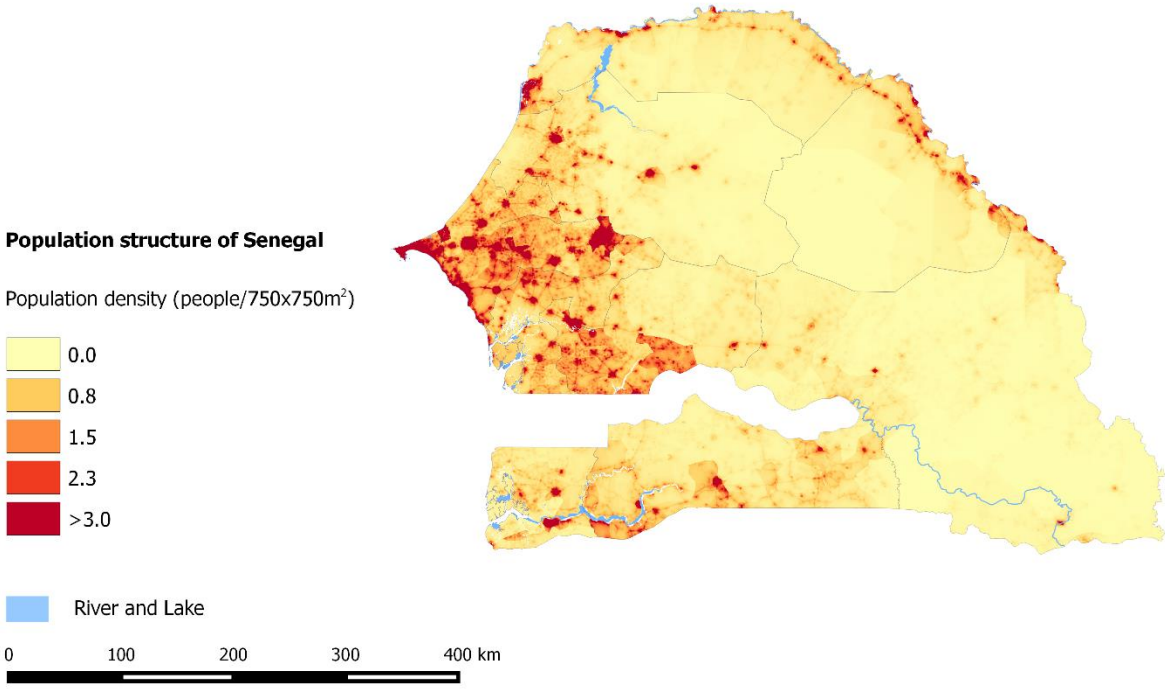
GridPlanned-SHSDom



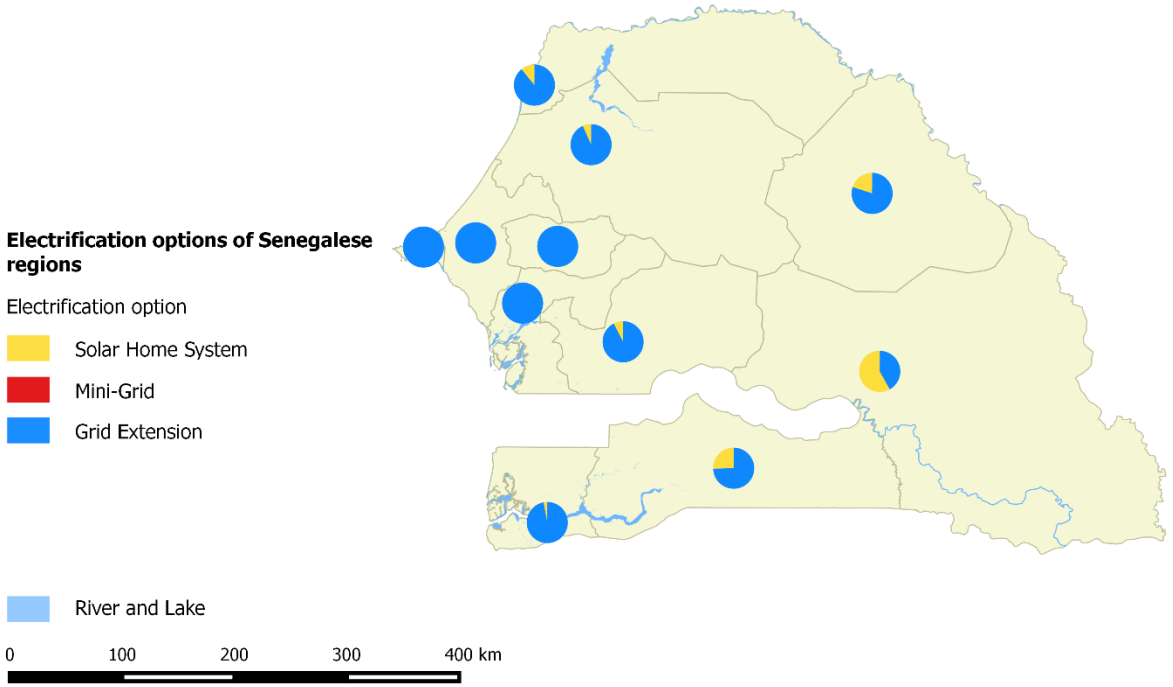
Senegal

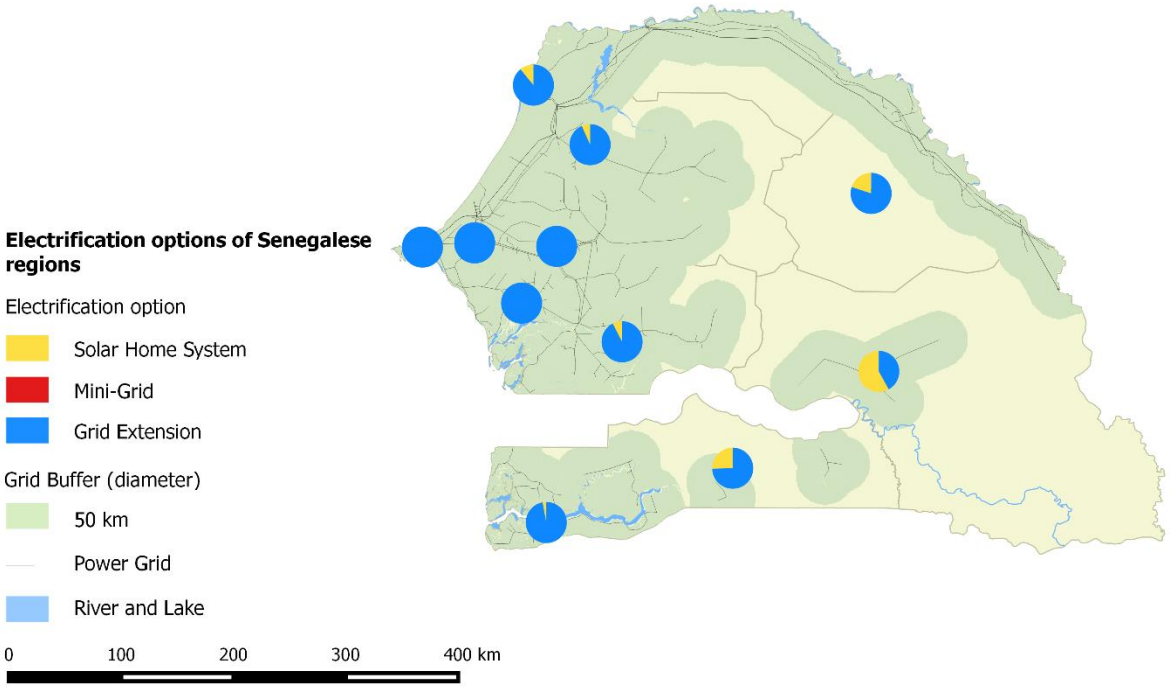
Night light emission and Population of Senegalese regions



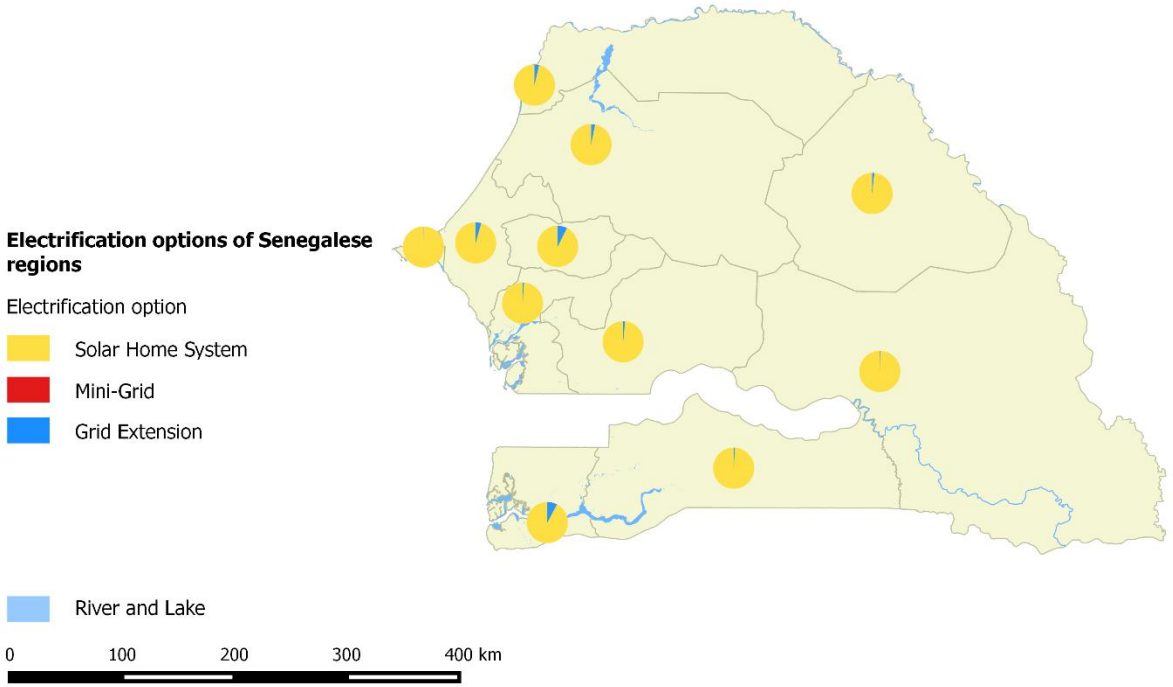


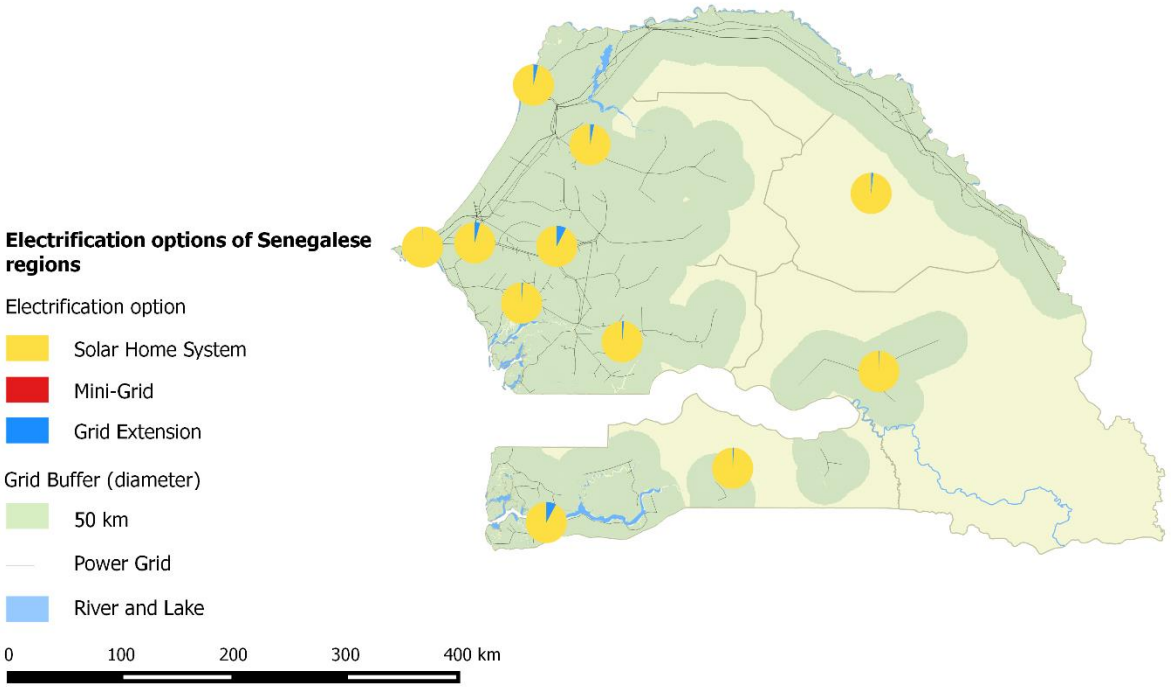
Electrification option in all Senegalese regions: GridBuilt-GridDom



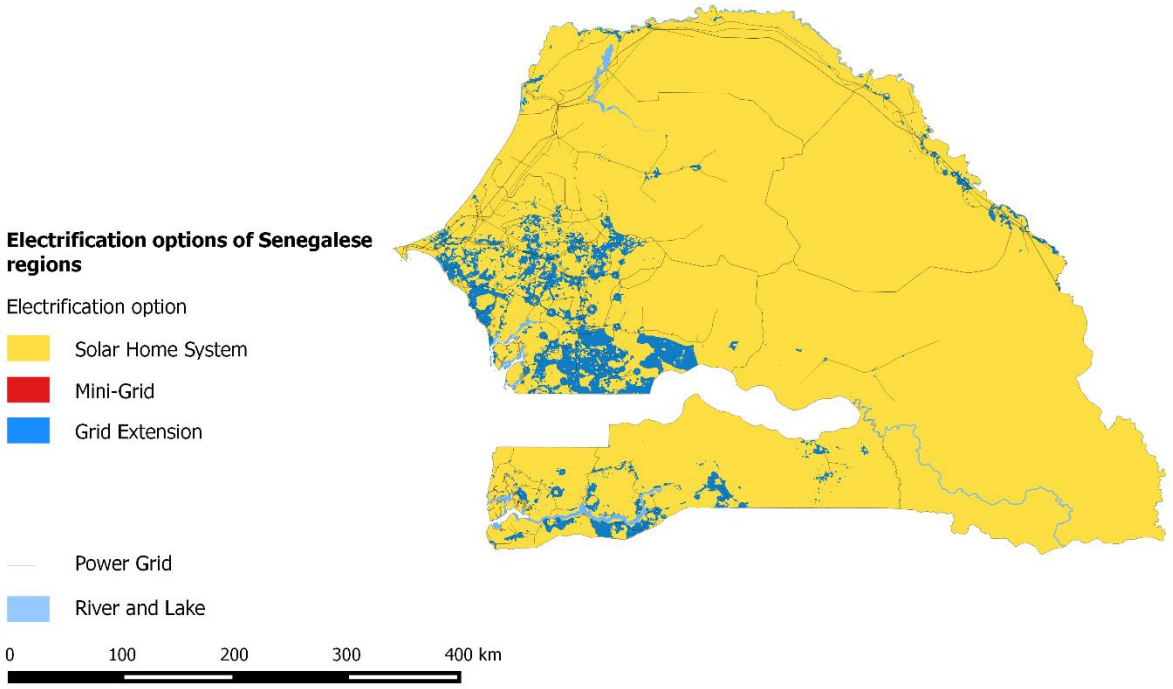


Electrification option in all Senegalese regions: GridBuilt-SHSDom

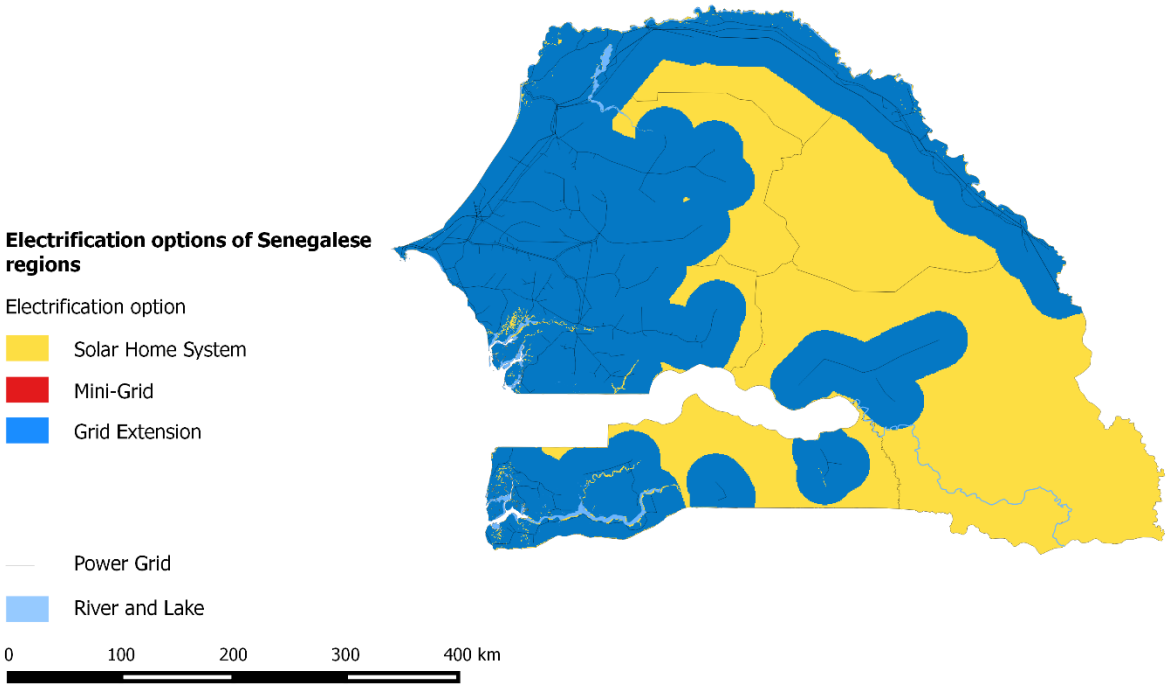


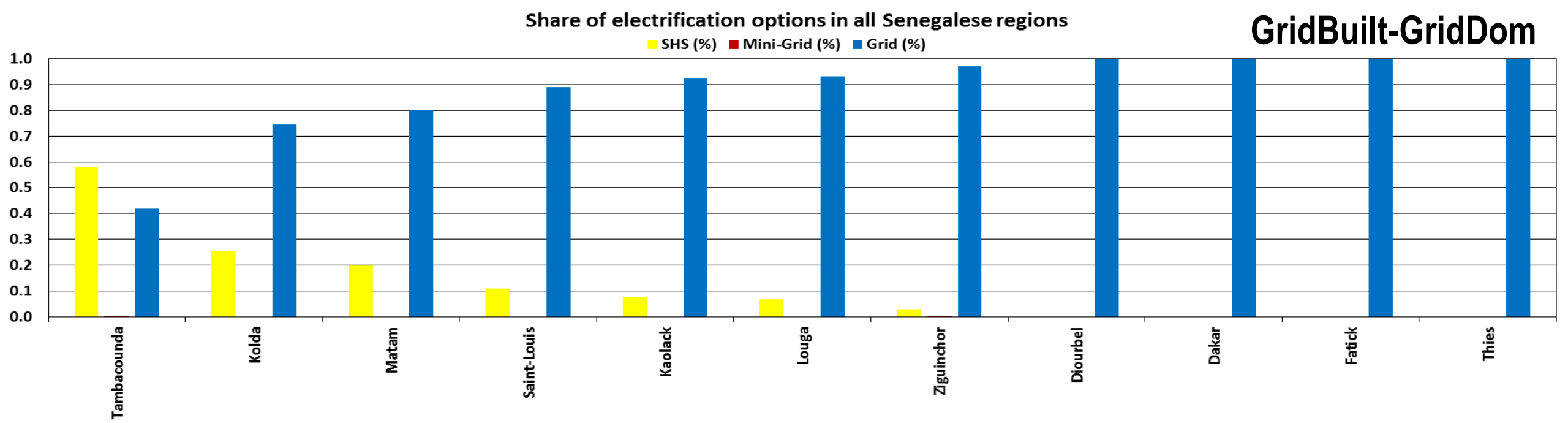


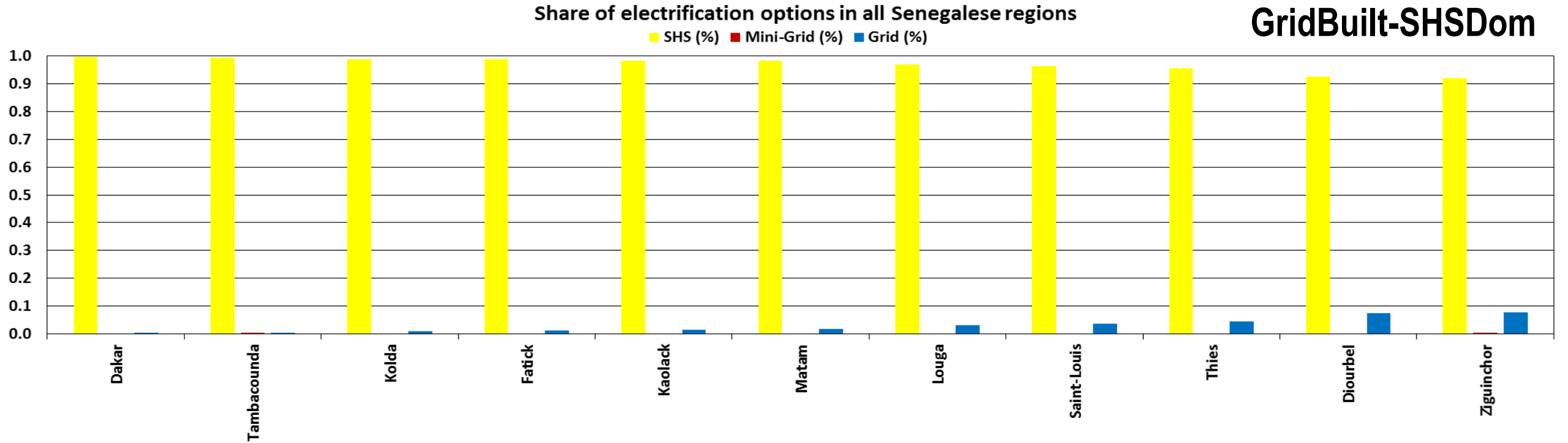
Electrification option: GridBuilt-SHSDom



Electrification option: GridBuilt-GridDom




Share of electrification options in all Senegalese regions
SHS (%)
Mini-Grid (%)
Grid (%)
GridBuilt-GridDom
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Tambacounda
Kolda
Matam
Saint-Louis
Kaolack
Louga
Zguinchor
Diourbel
Dakar
Fatick
Thies


Share of electrification options in all Senegalese regions
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1.0
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Dakar
Tambacounda
Kolda
Fatick
Kaolack
Matam
Louga
Saint-Louis
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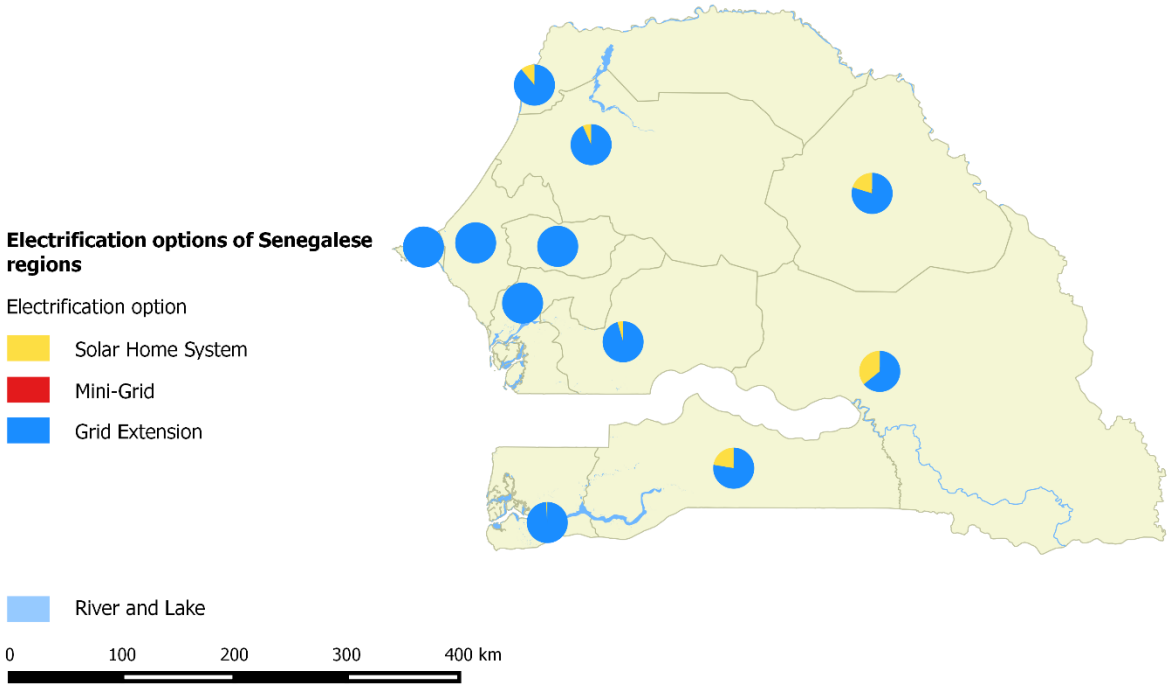
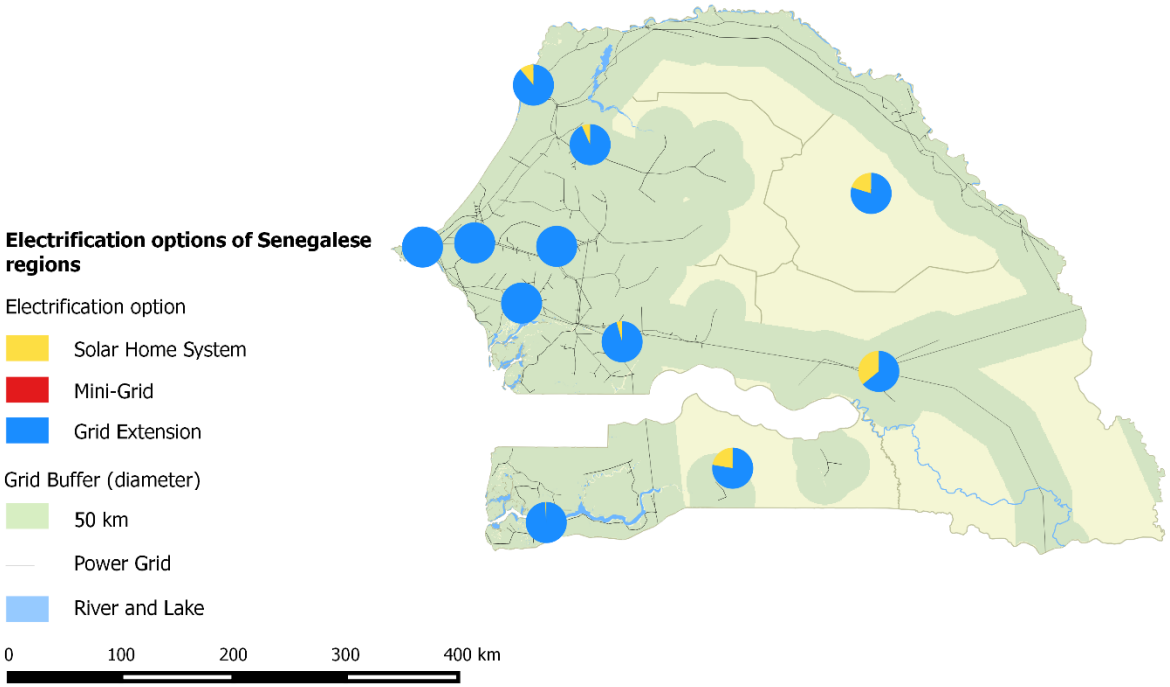
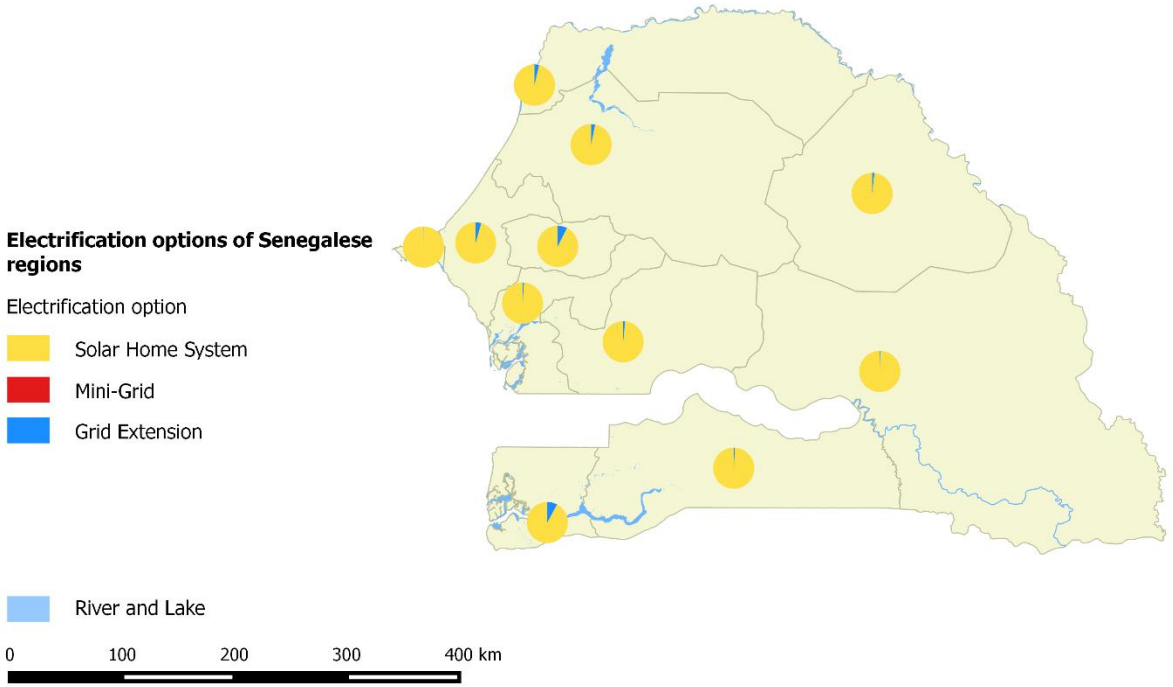
Diourbel
Zguinchor

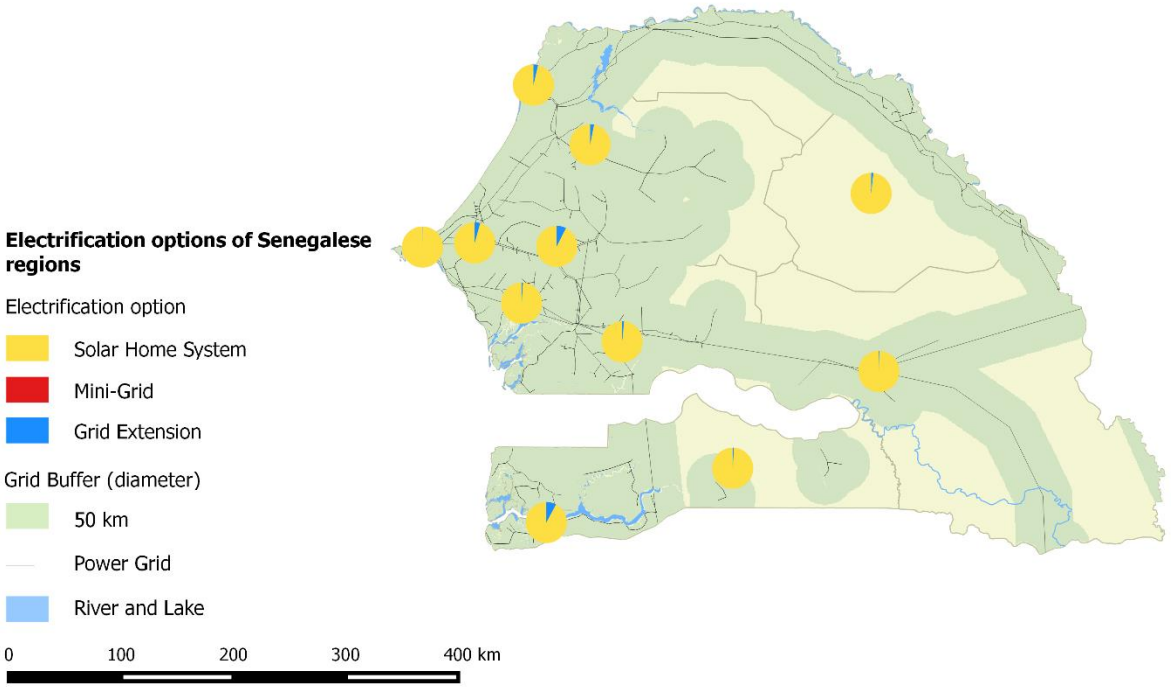
Electrification option in all Senegalese regions: GridPlanned-GridDom



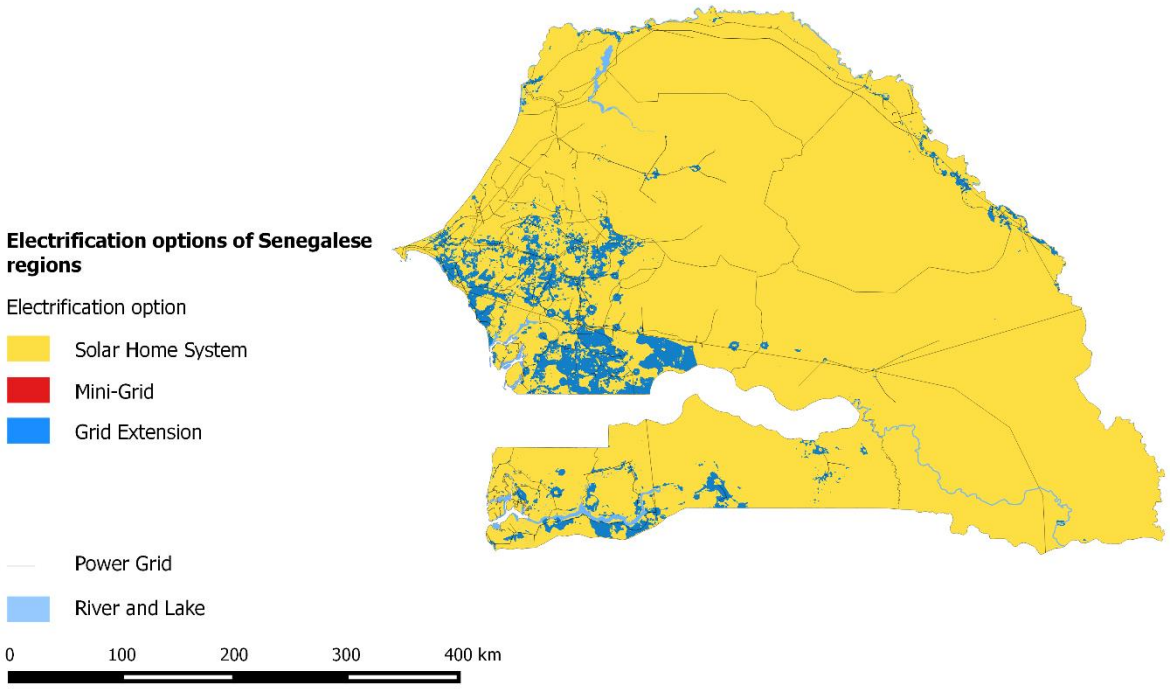


Electrification option in all Senegalese regions: GridPlanned-SHSDom

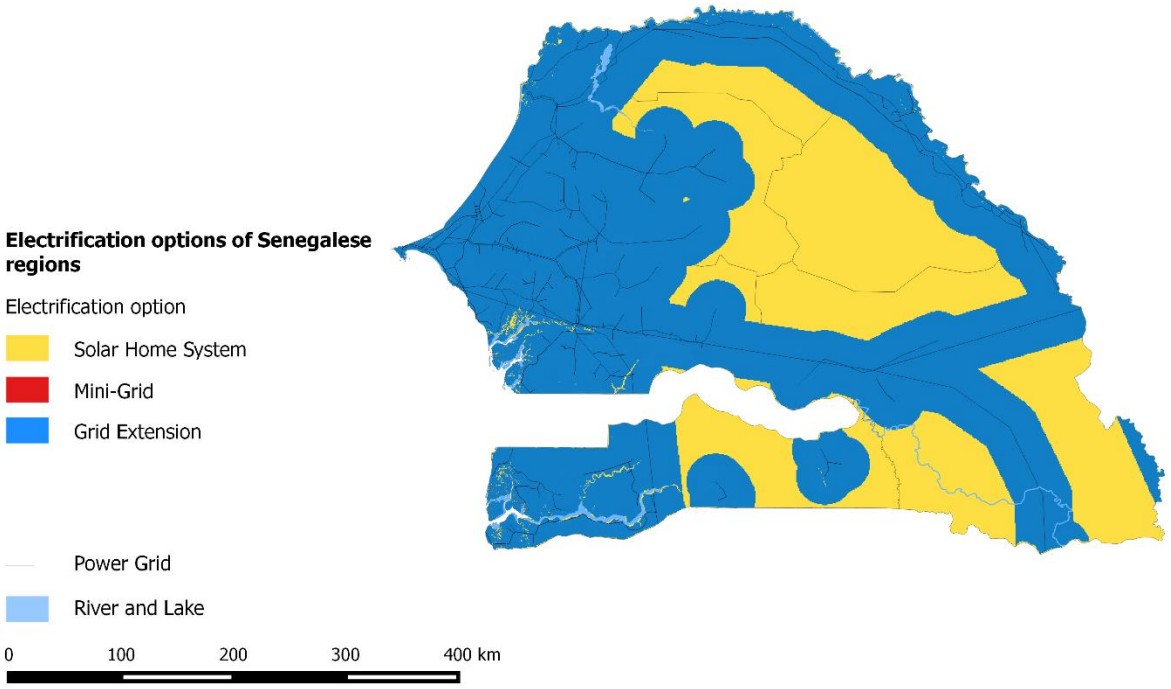




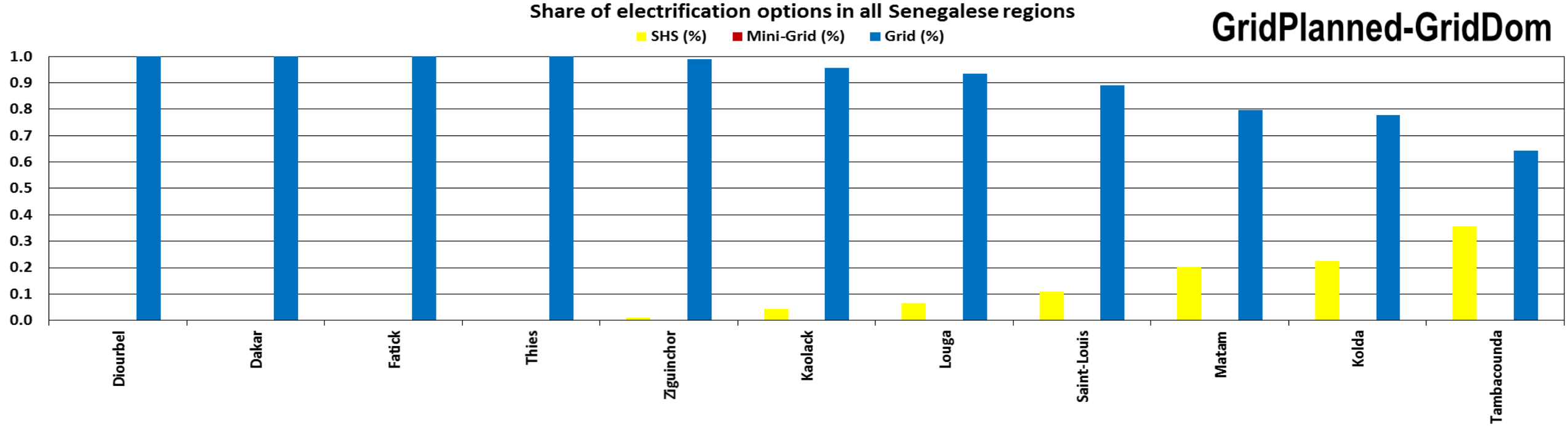
Electrification option: GridPlanned-SHSDom



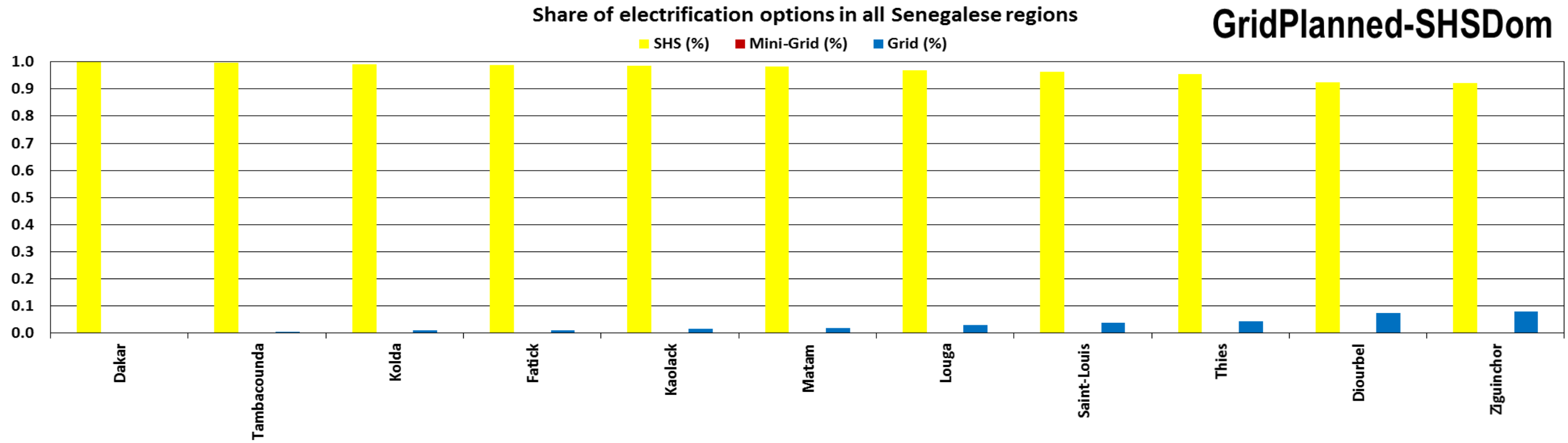
Electrification option: GridPlanned-GridDom



GridPlanned-GridDom

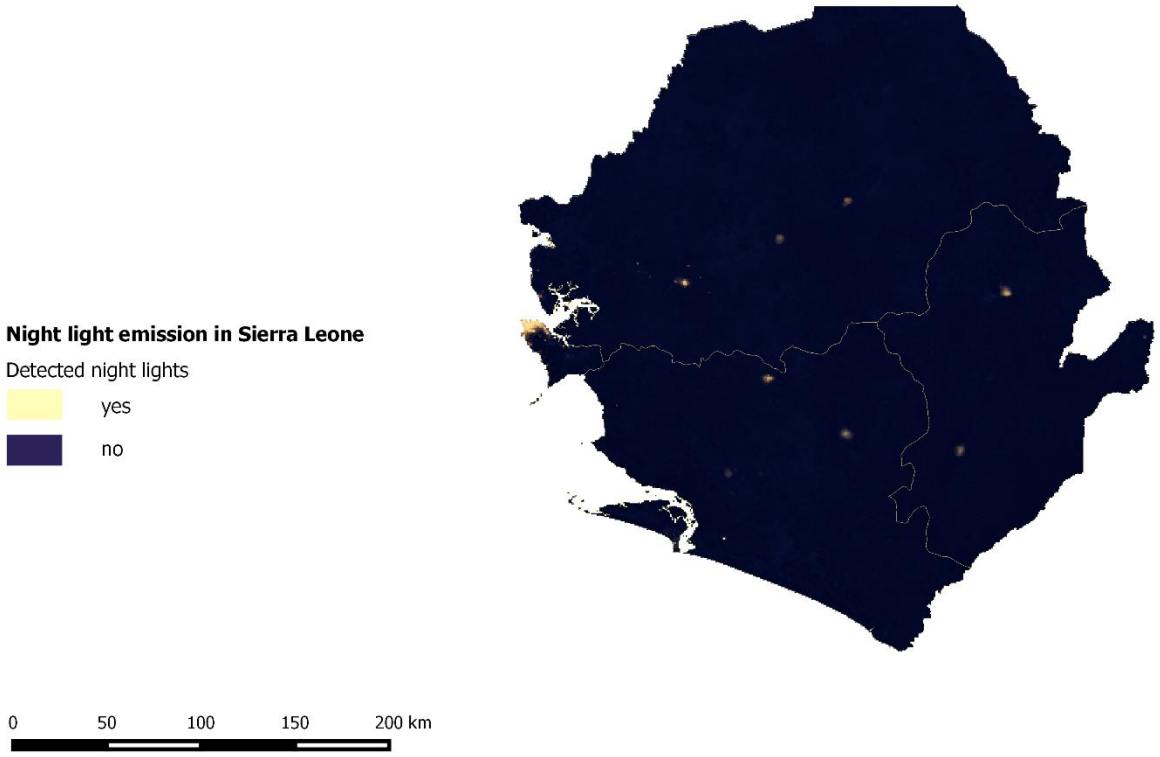


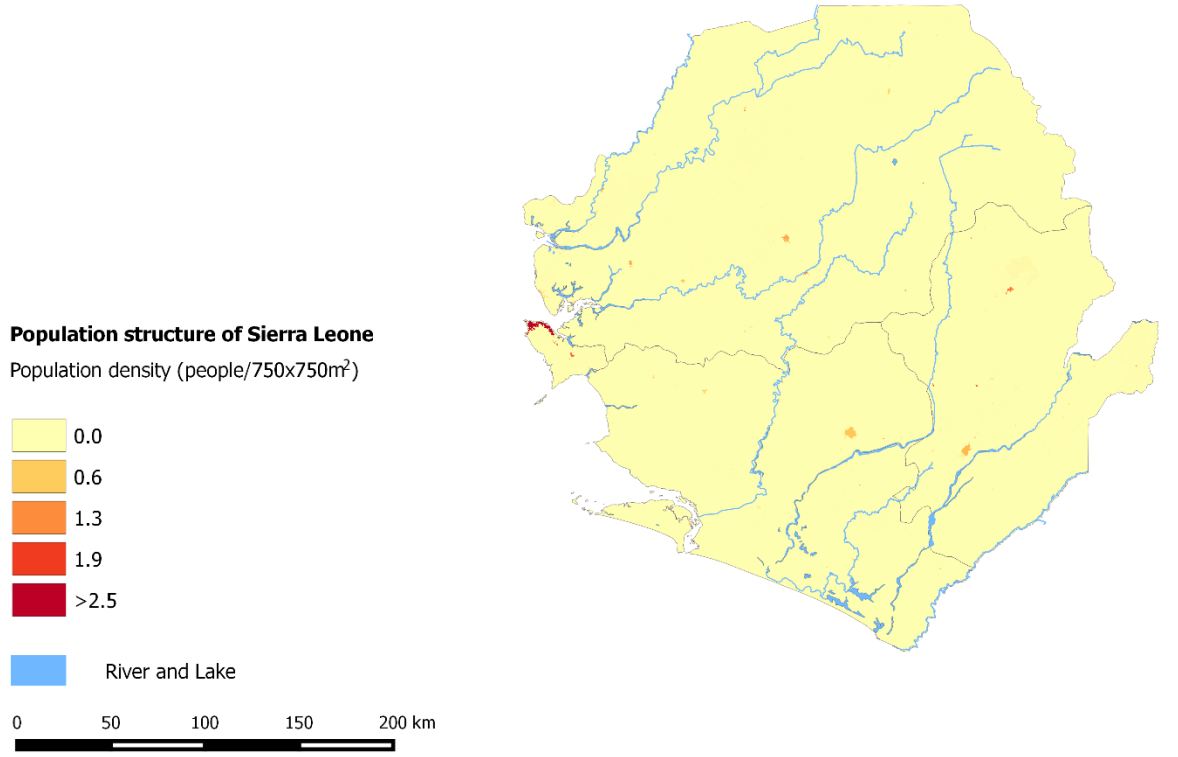
GridPlanned-SHSDom



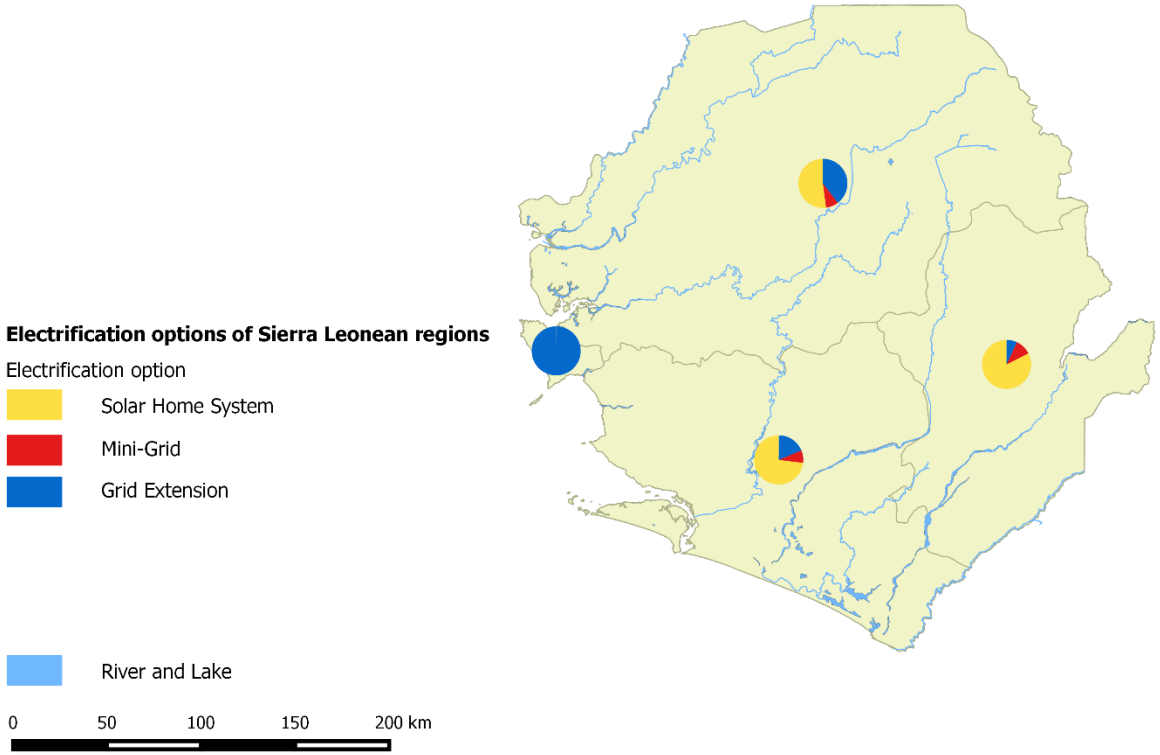
Sierra Leone

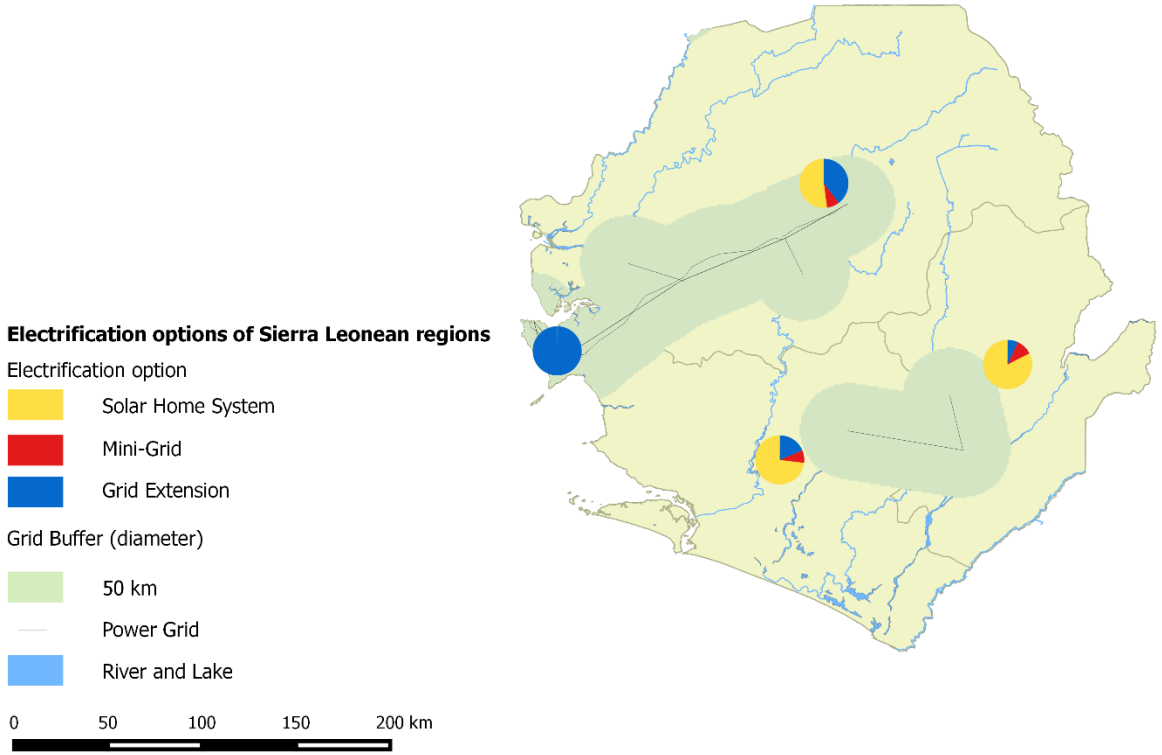
Night light emission and Population of Sierra Leonean regions



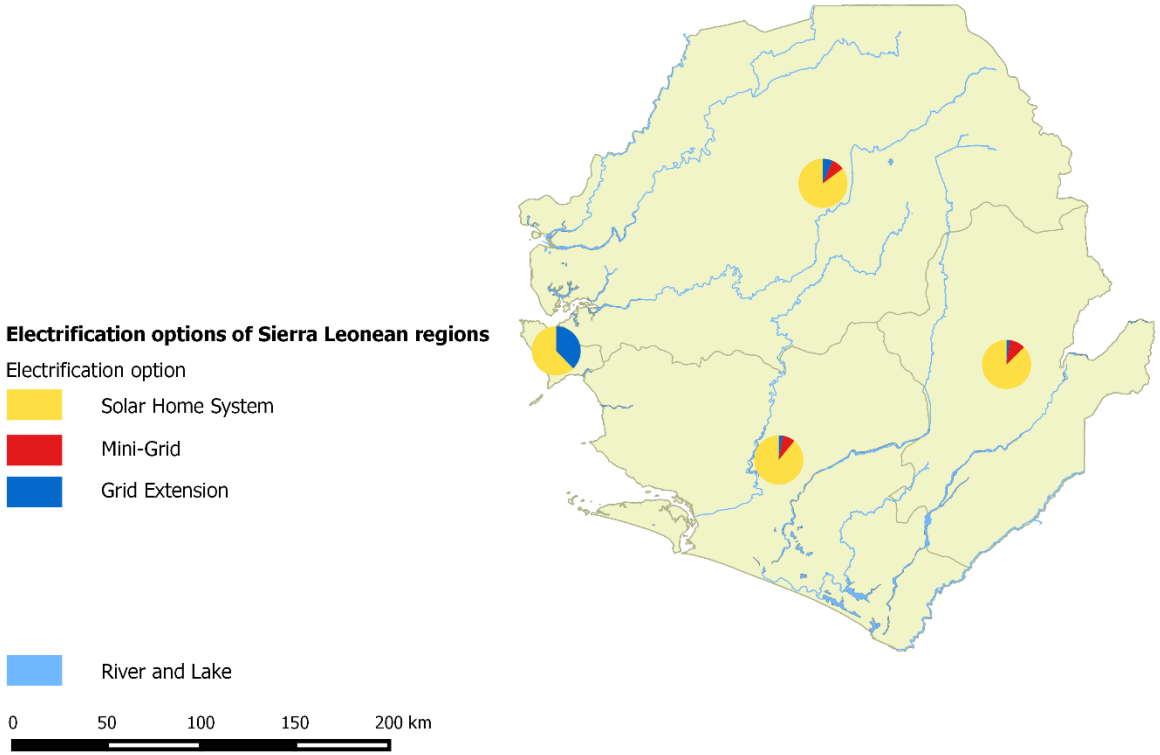


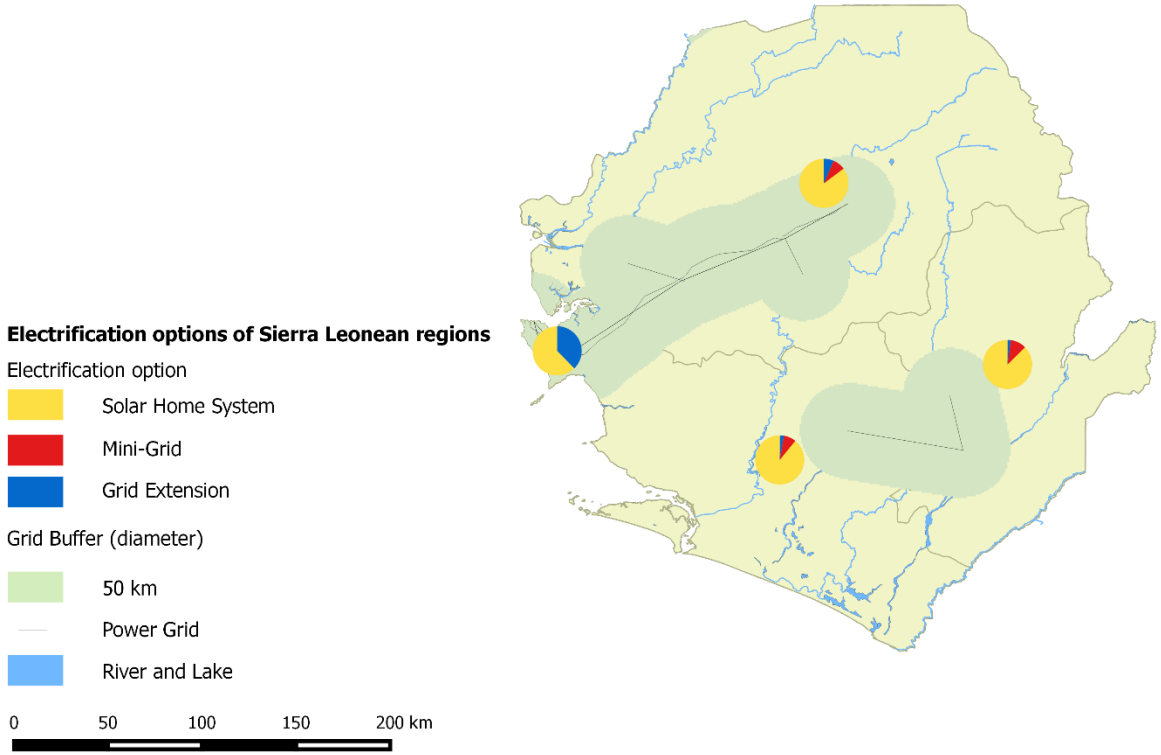
Electrification option in all Sierra Leonean regions: GridBuilt-GridDom



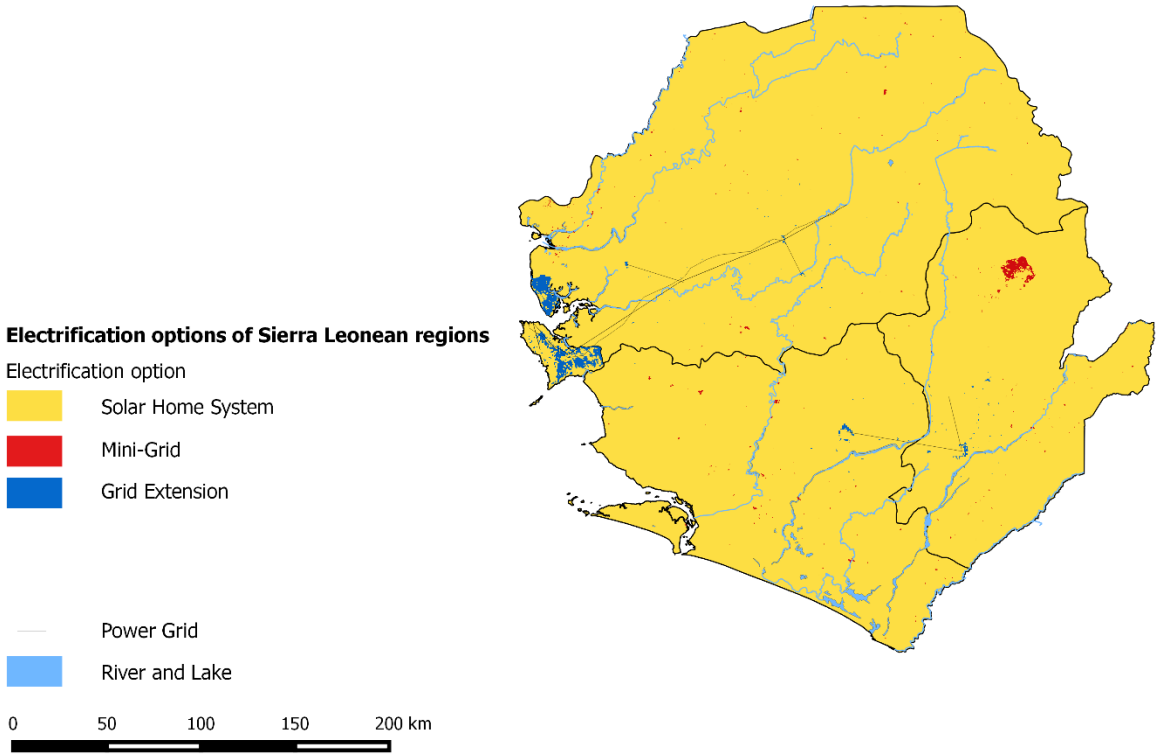


Electrification option in all Sierra Leonean regions: GridBuilt-SHSDom

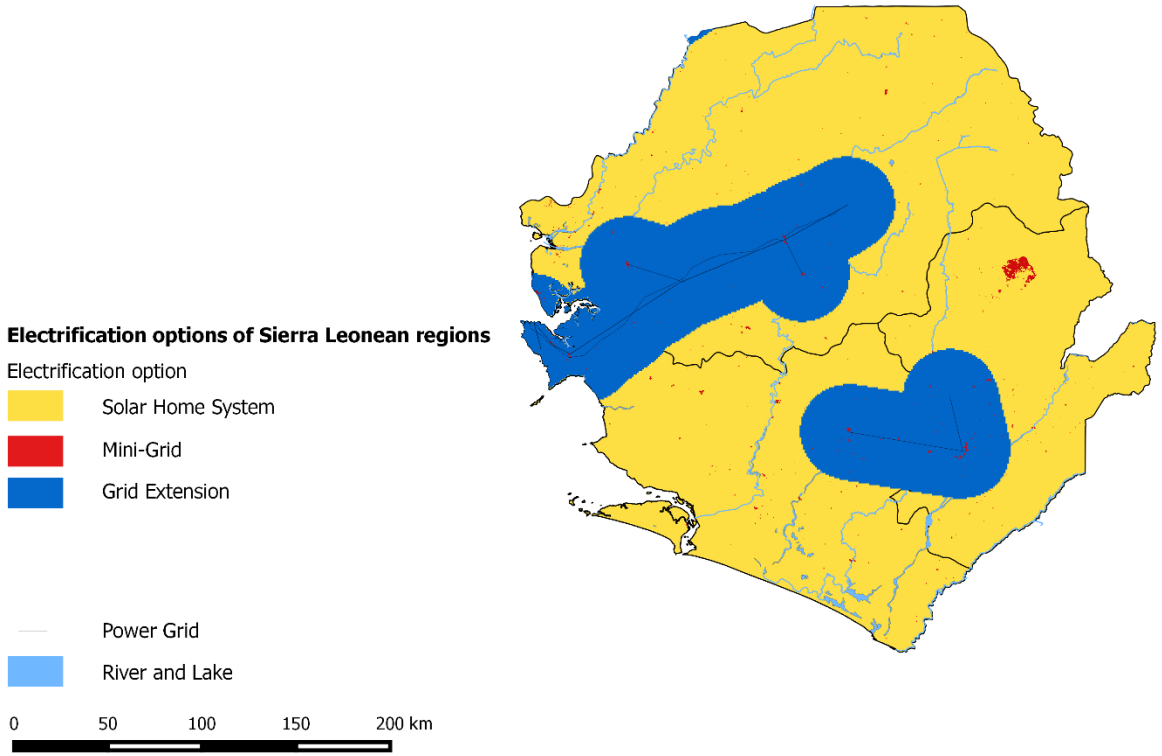




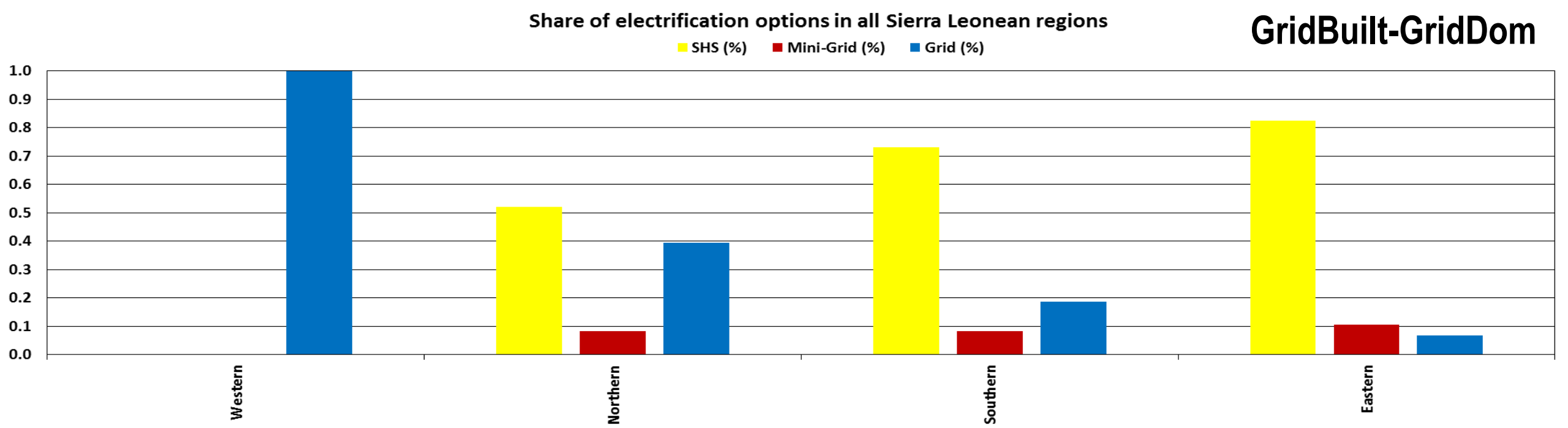
Electrification option: GridBuilt-SHSDom



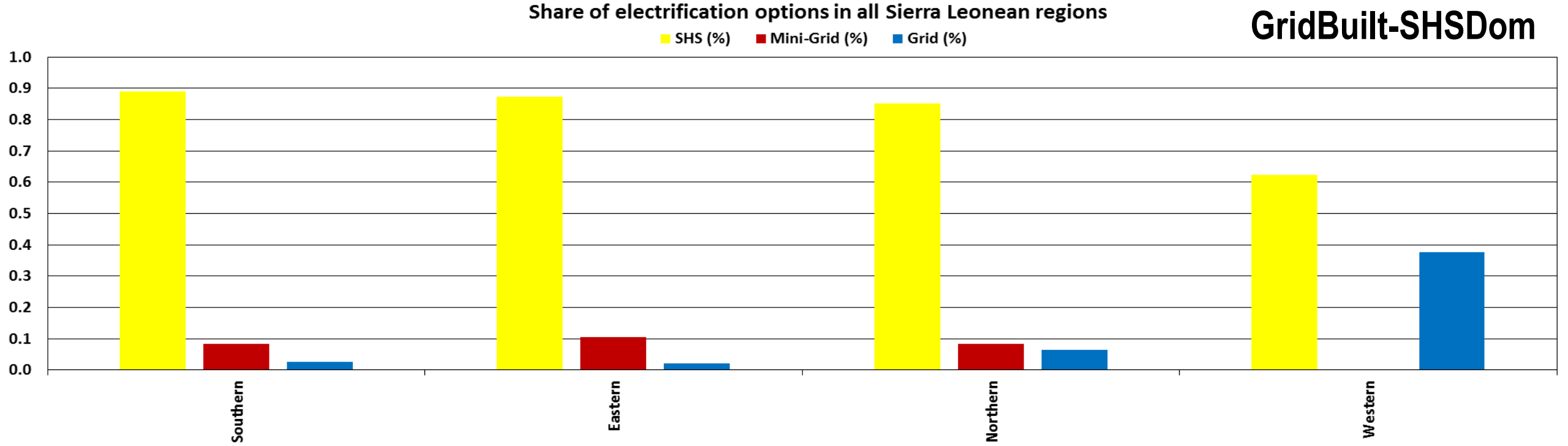
Electrification option: GridBuilt-GridDom



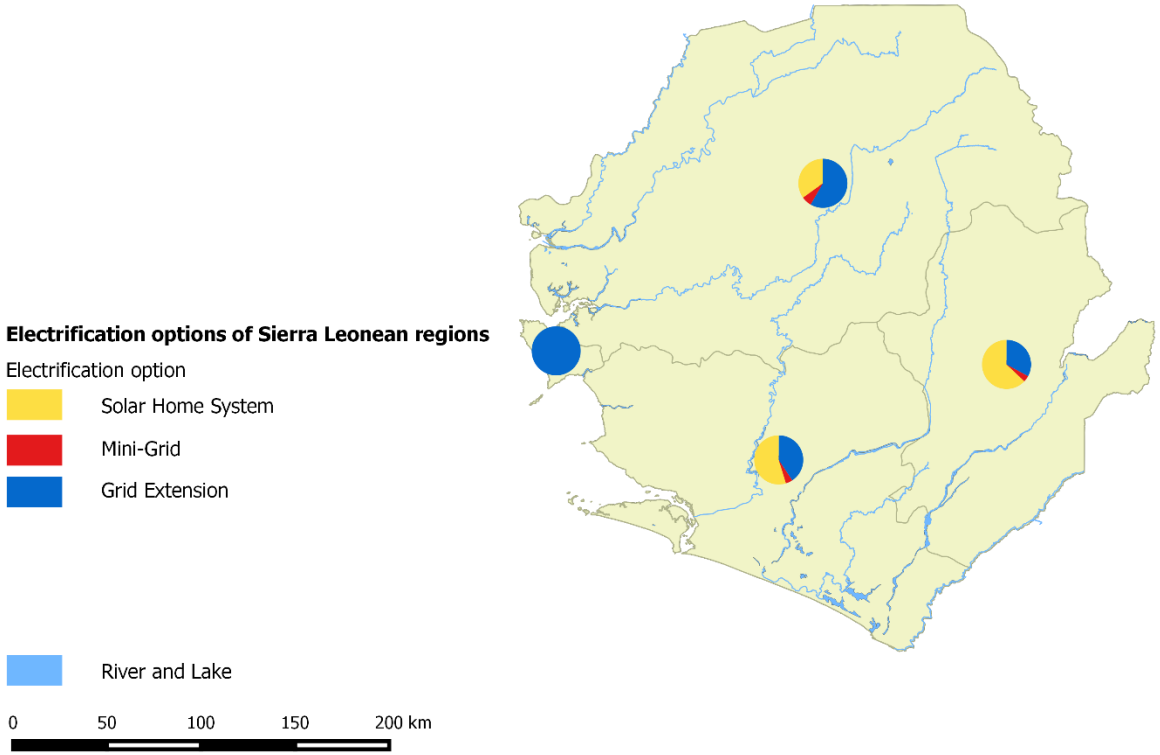
GridBuilt-GridDom

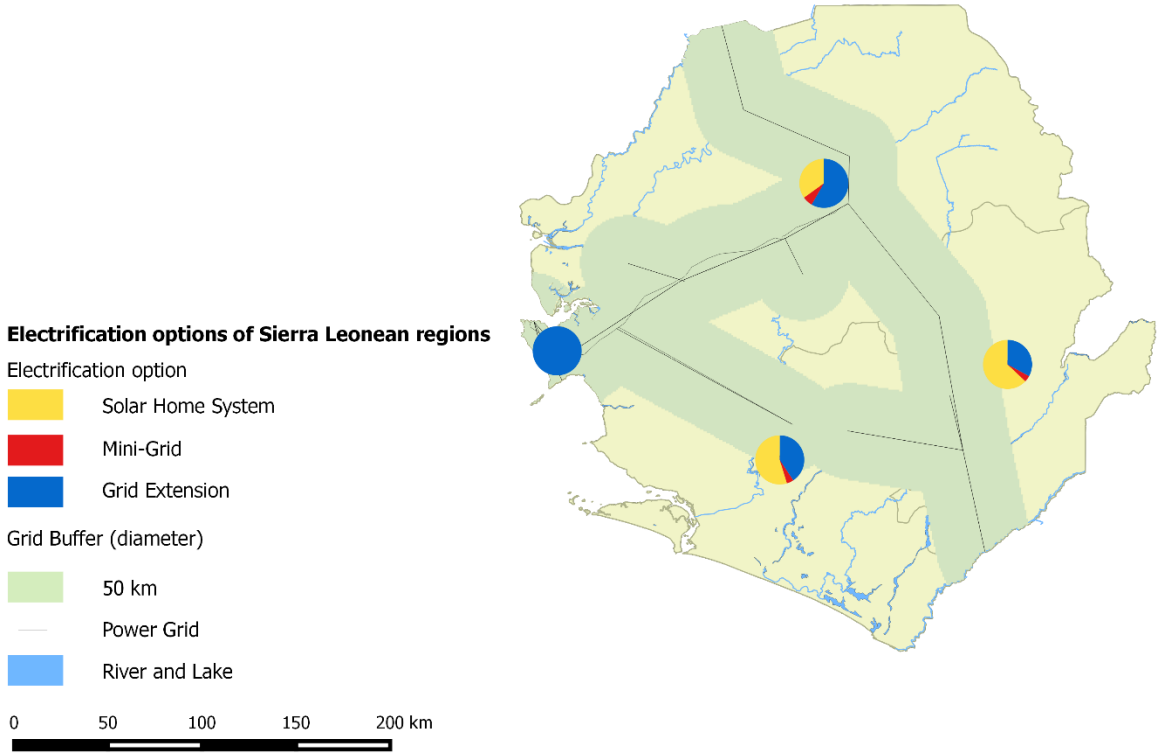


GridBuilt-SHSDom

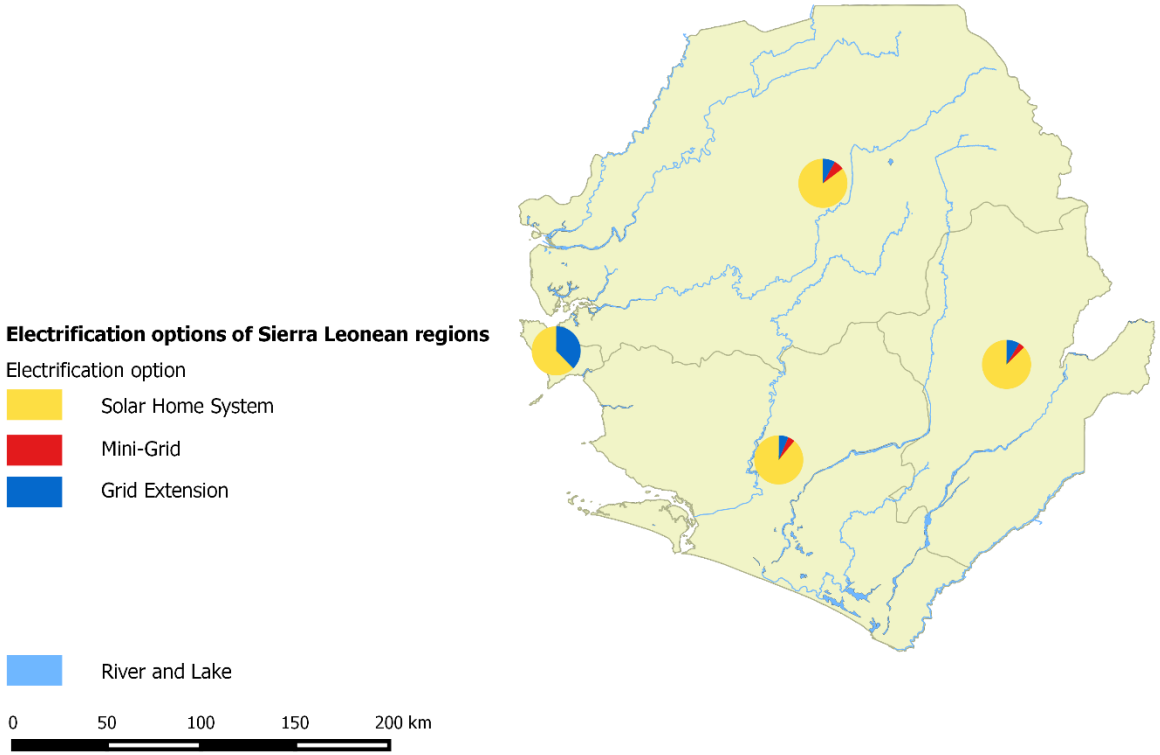


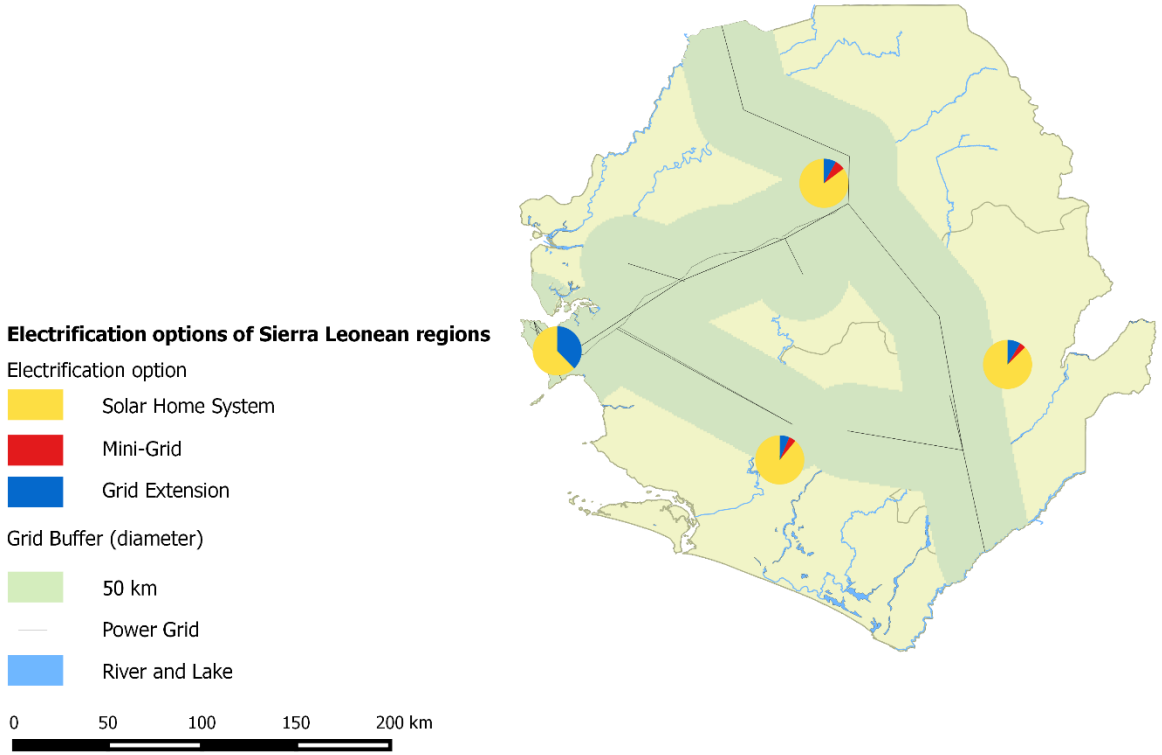
Electrification option in all Sierra Leonean regions: GridPlanned-GridDom



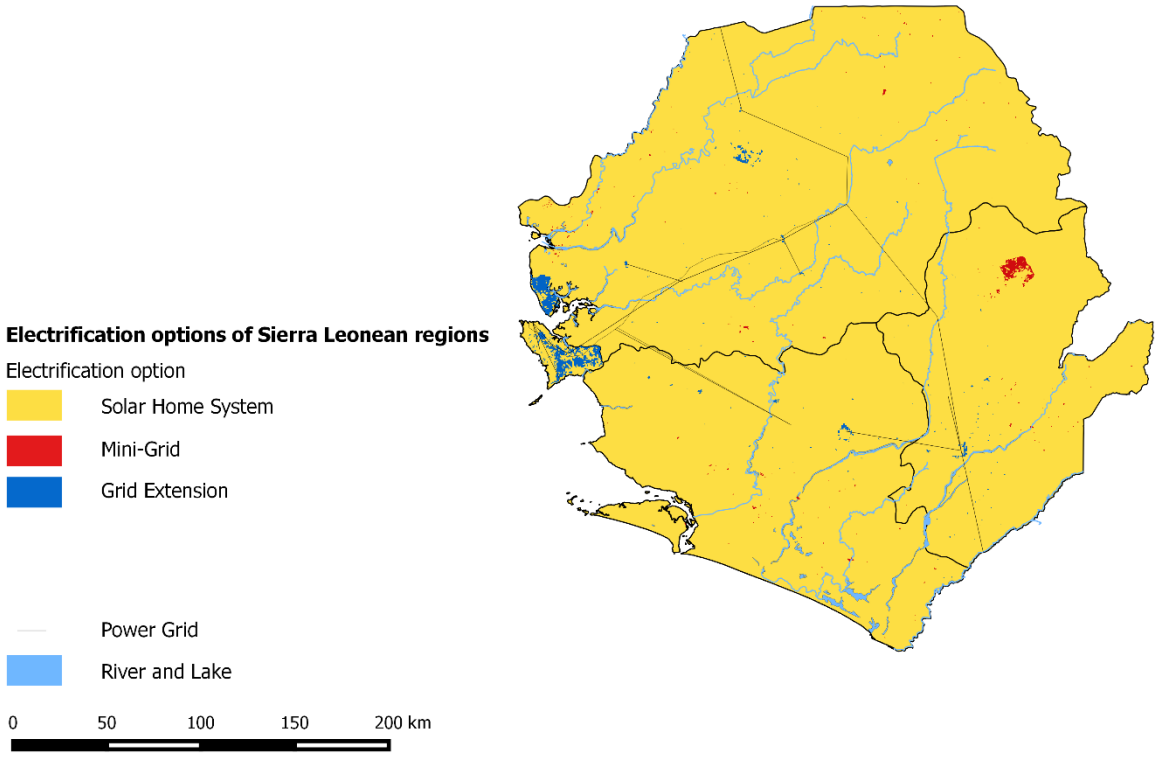


Electrification option in all Sierra Leonean regions: GridPlanned-SHSDom

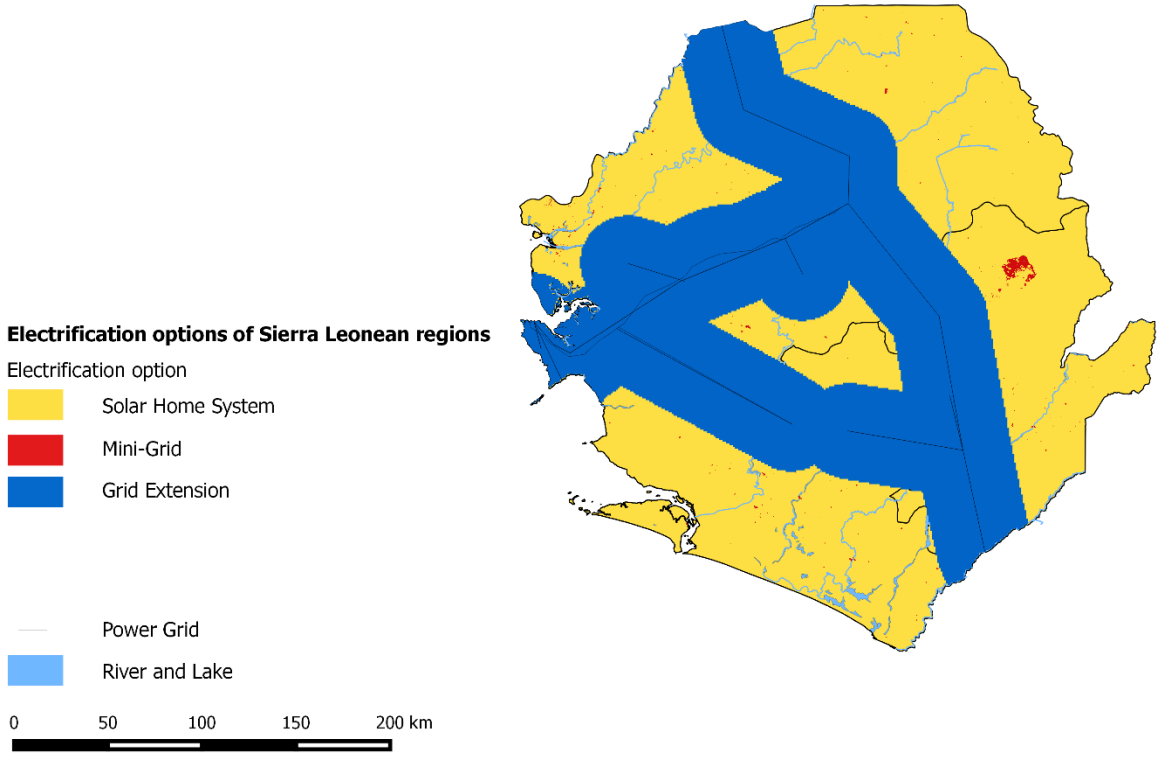


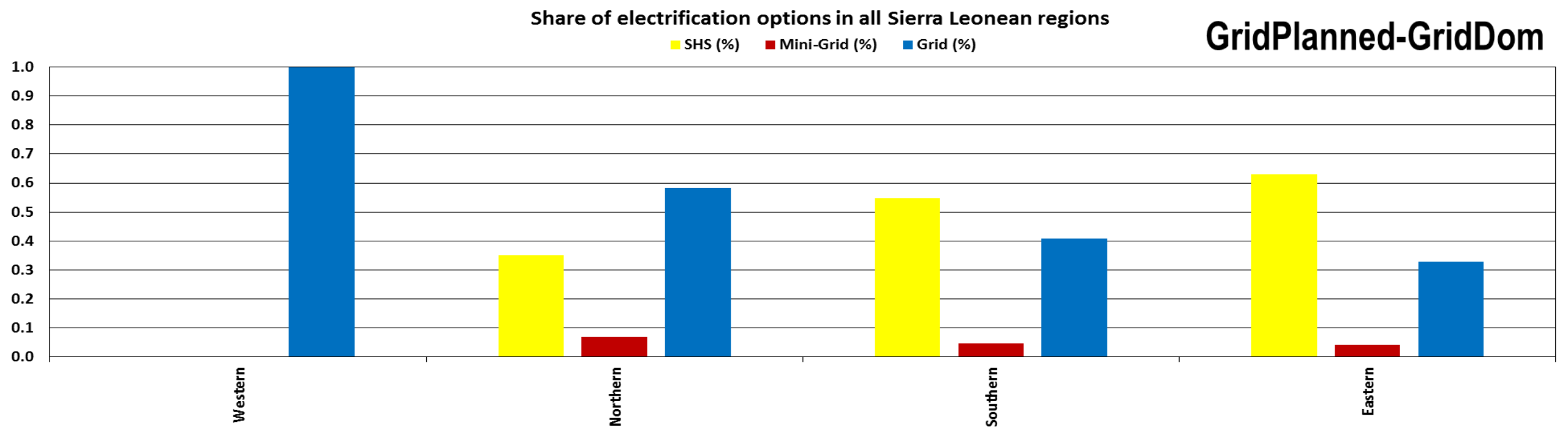


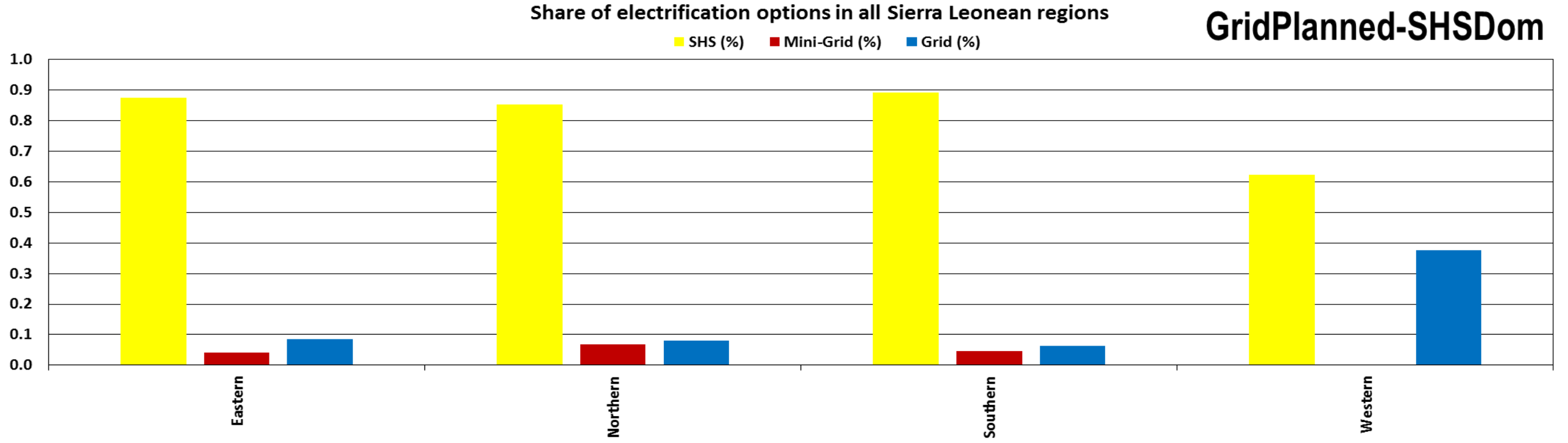
Electrification option: GridPlanned-SHSDom



Electrification option: GridPlanned-GridDom




Share of electrification options in all Sierra Leonean regions
SHS (%)
Mini-Grid (%)
Grid (%)
GridPlanned-GridDom
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Western
Northern
Southern
Eastern


Share of electrification options in all Sierra Leonean regions
SHS (%)
Mini-Grid (%)
Grid (%)
GridPlanned-SHSDom
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Eastern
Northern
Southern
Western

Togo

Night light emission and Population of Togolese regions

Night light emission in Togo

Detected night lights

yes

no

0 75 150 225 300 km

Population structure of Togo

Population density (people/750x750m^2)

0.0

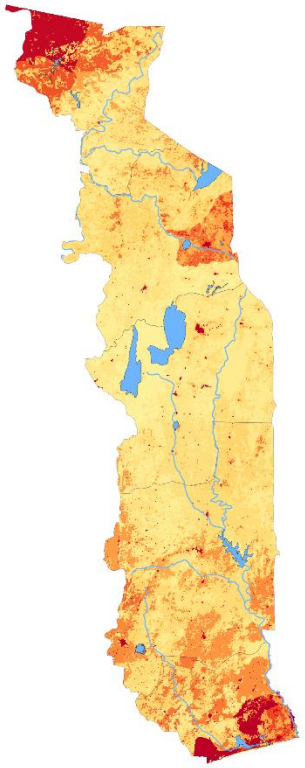
0.5

1.0

1.5

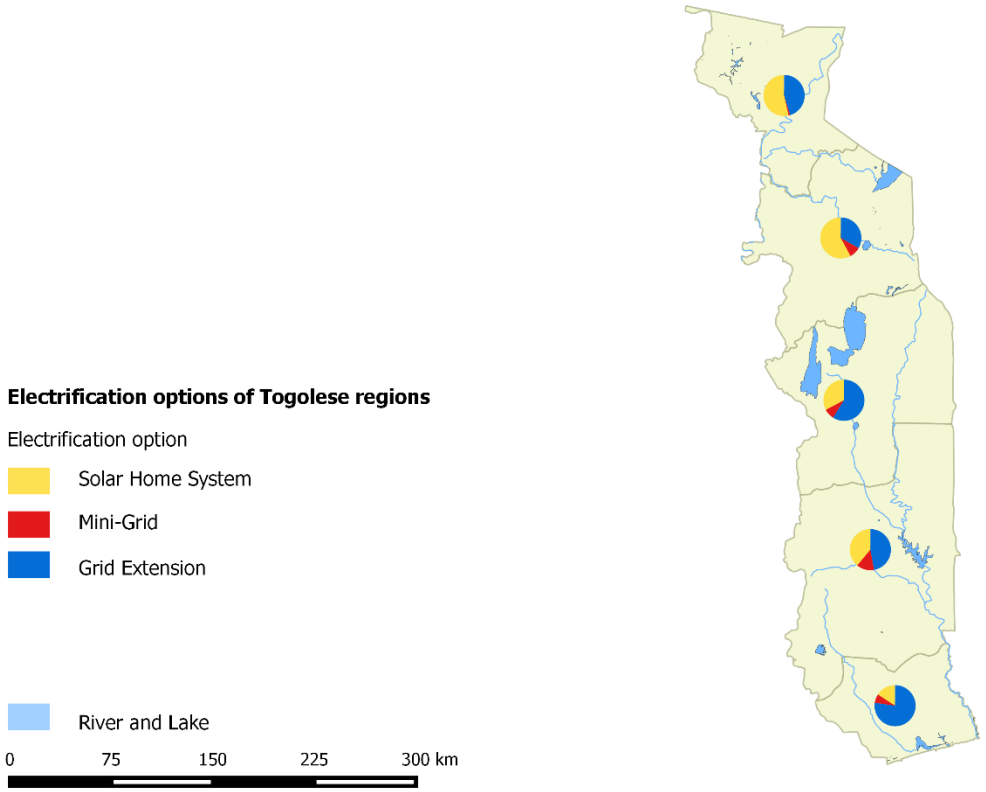
>2.0

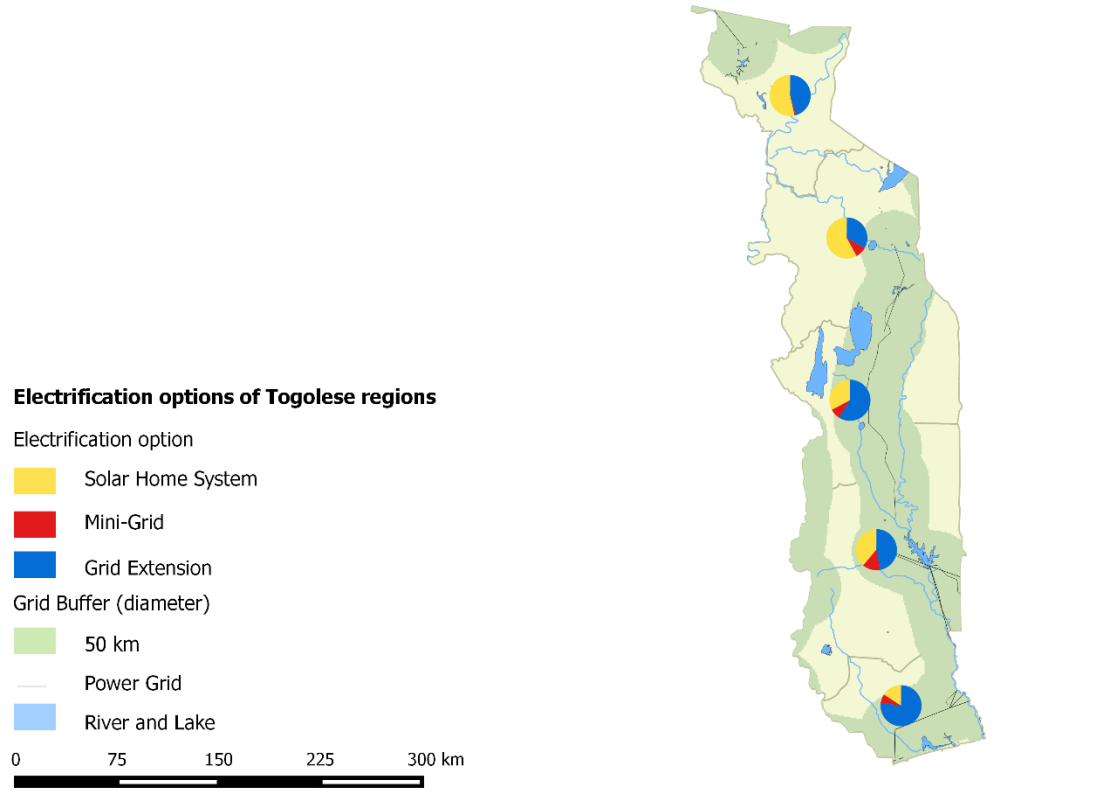
River and Lake



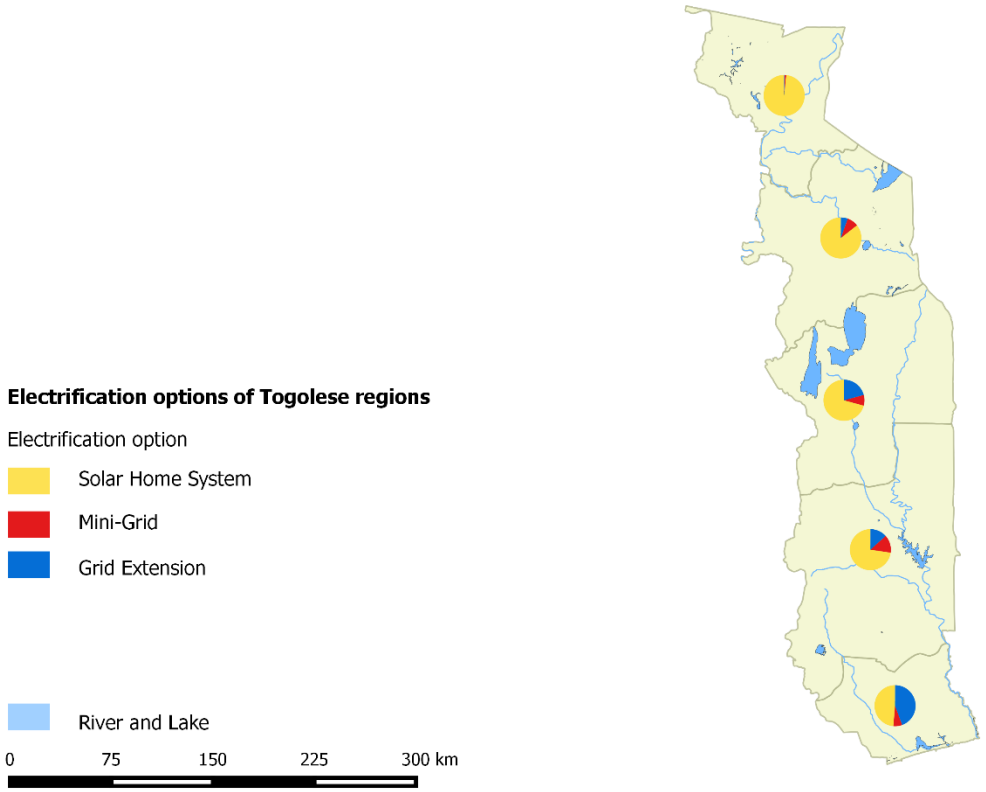
0 75 150 225 300 km

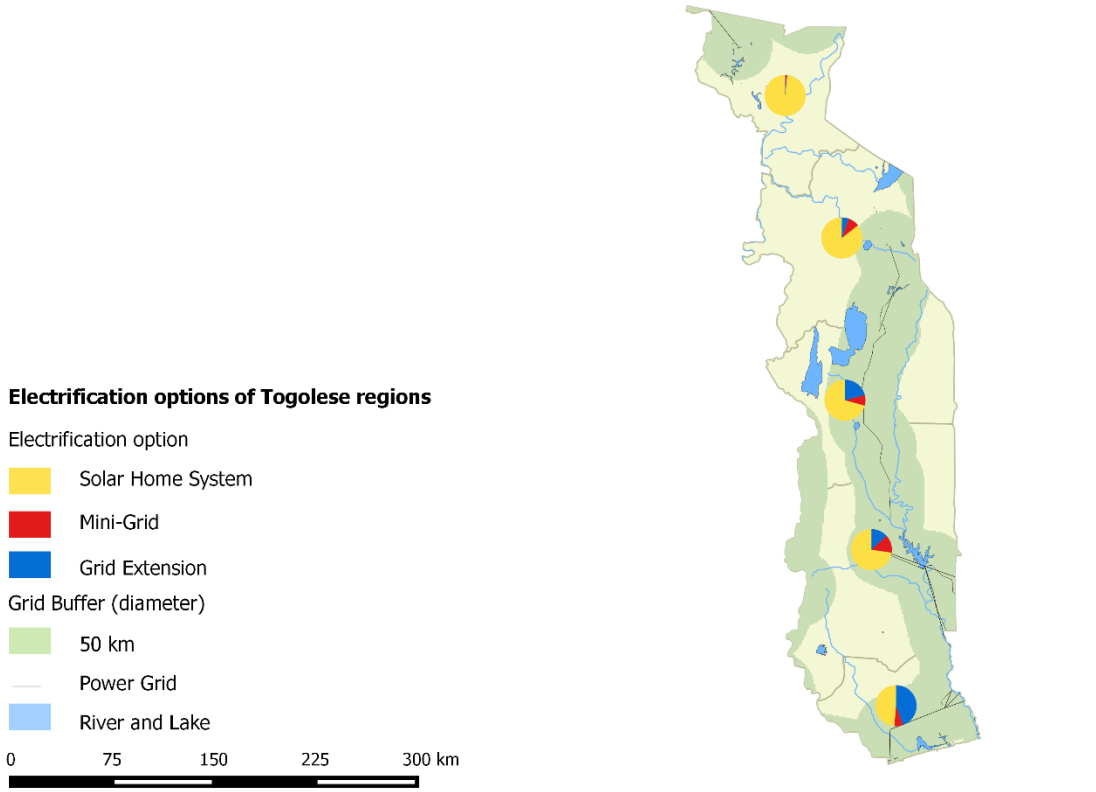
Electrification option in all Togolese regions: GridBuilt-GridDom



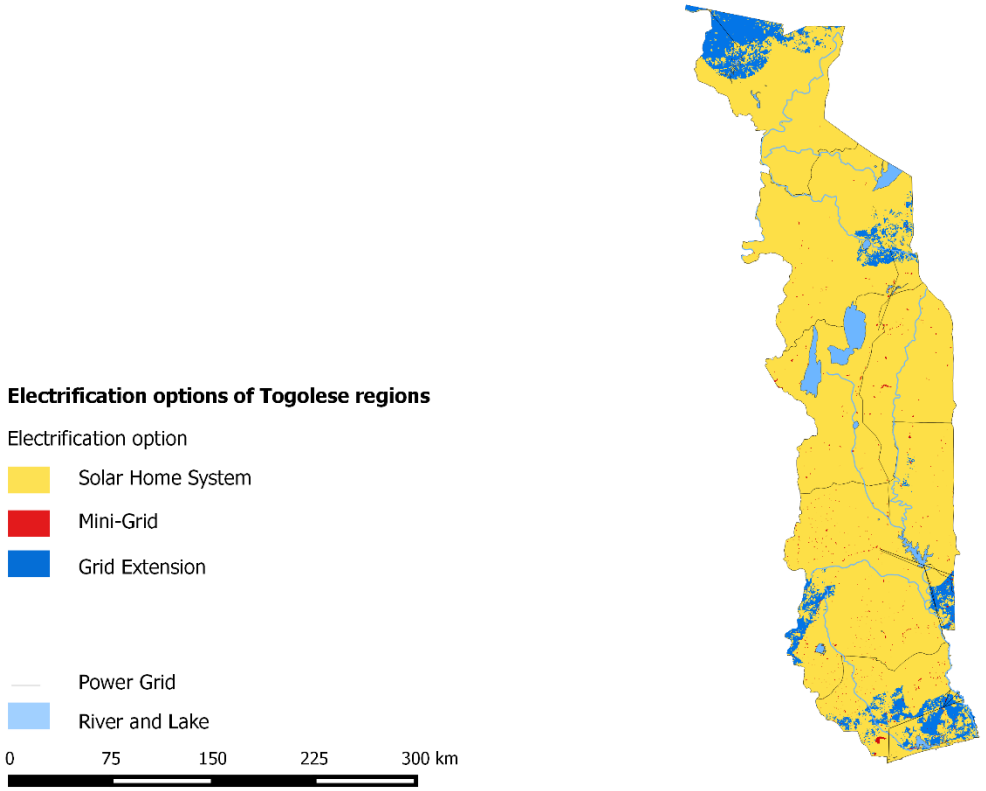


Electrification option in all Togolese regions: GridBuilt-SHSDom

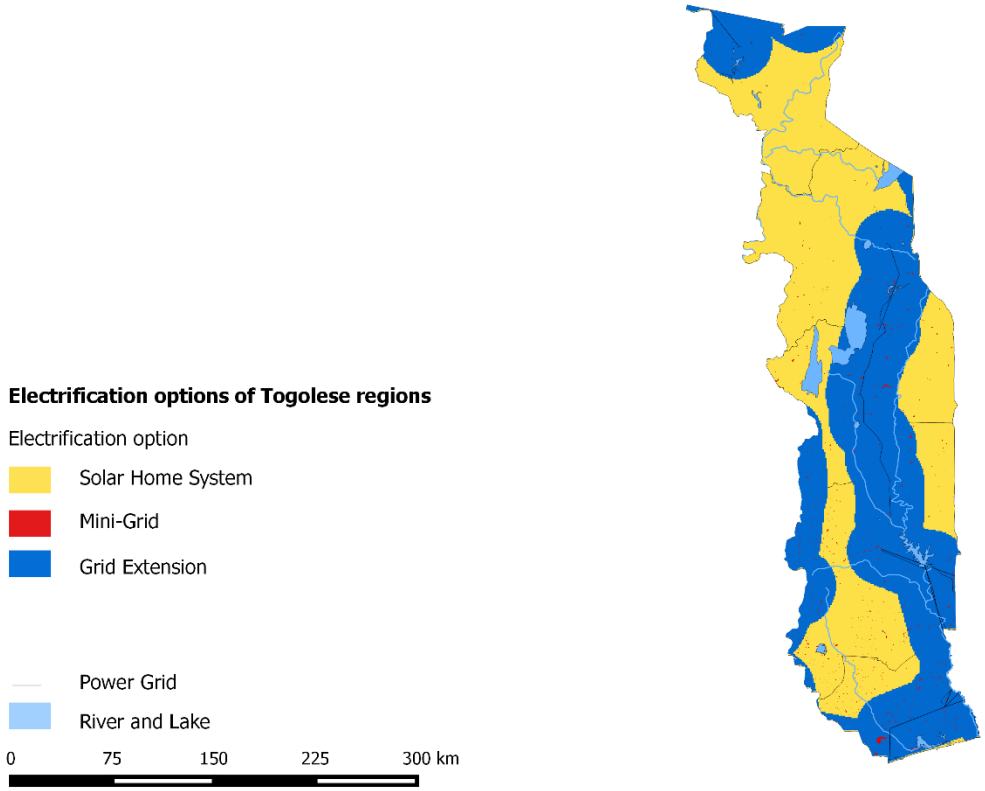




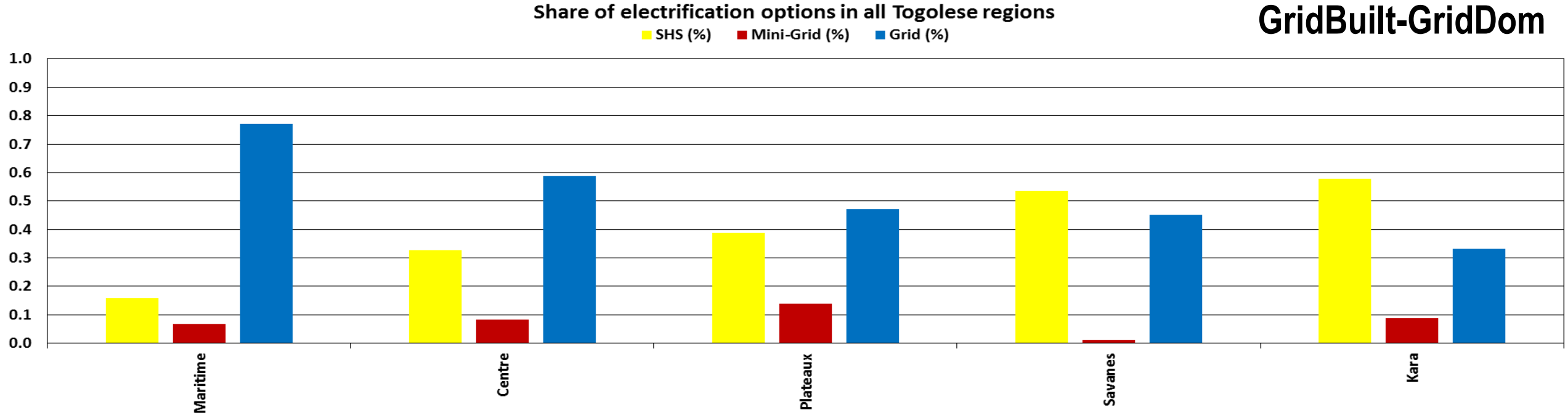
Electrification option: GridBuilt-SHSDom



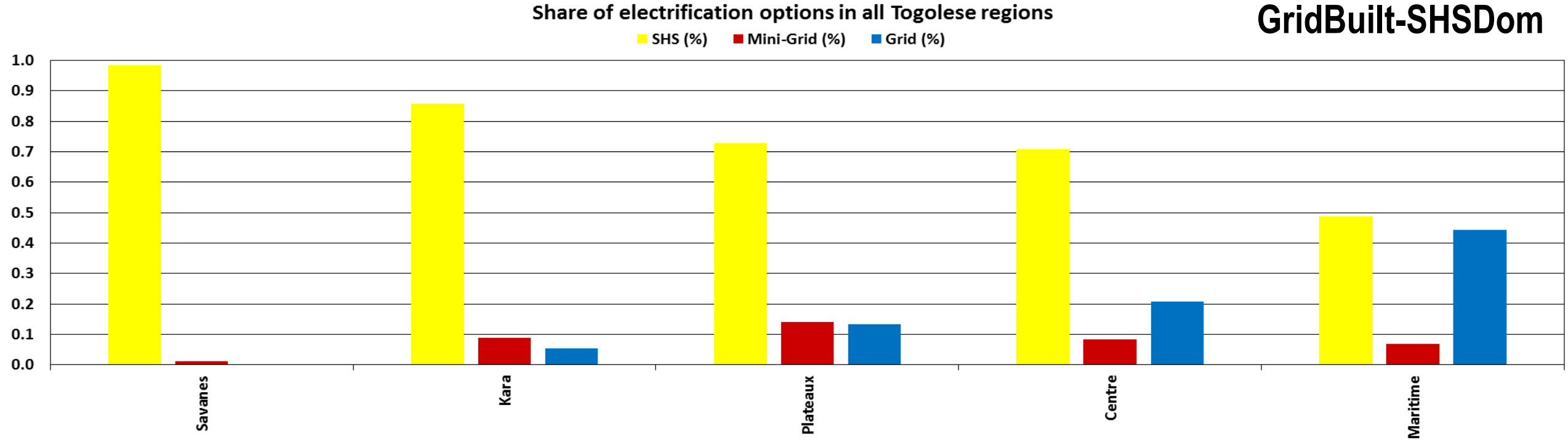
Electrification option: GridBuilt-GridDom



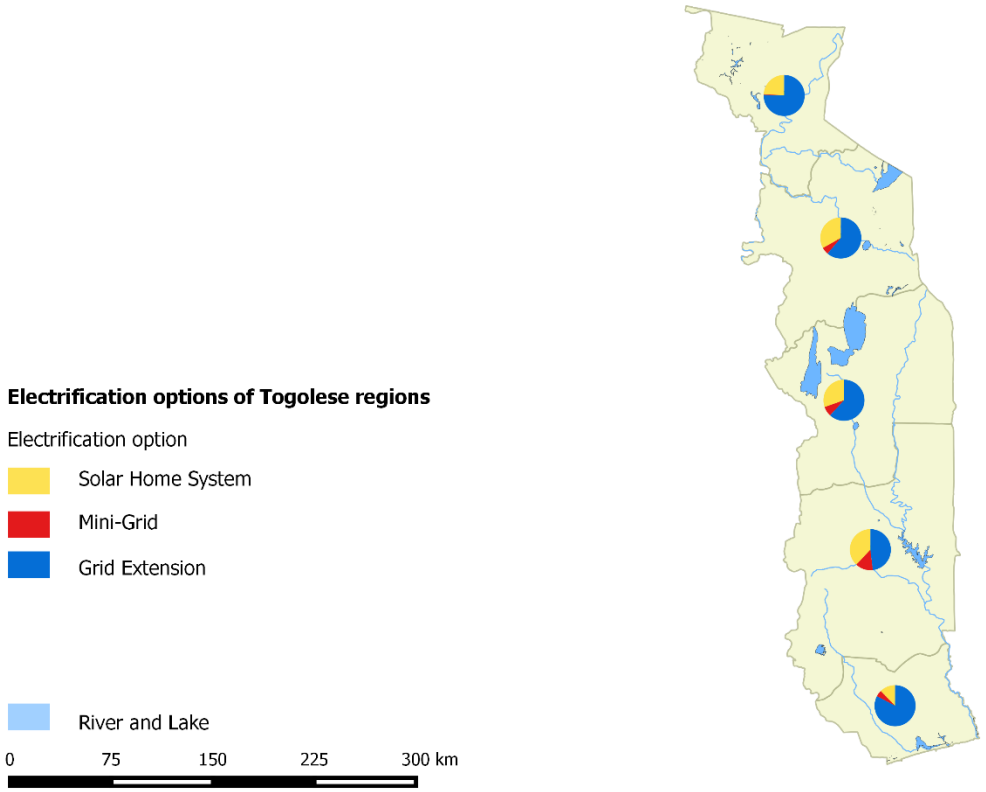
GridBuilt-GridDom

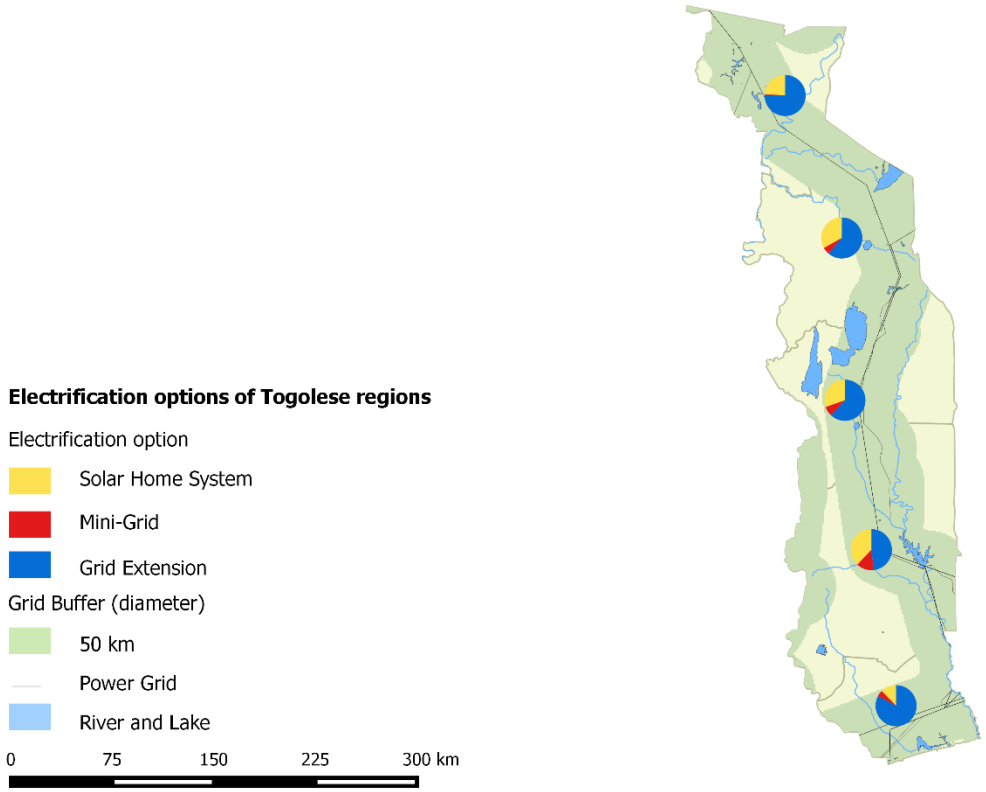


GridBuilt-SHSDom



Electrification option in all Togolese regions: GridPlanned-GridDom





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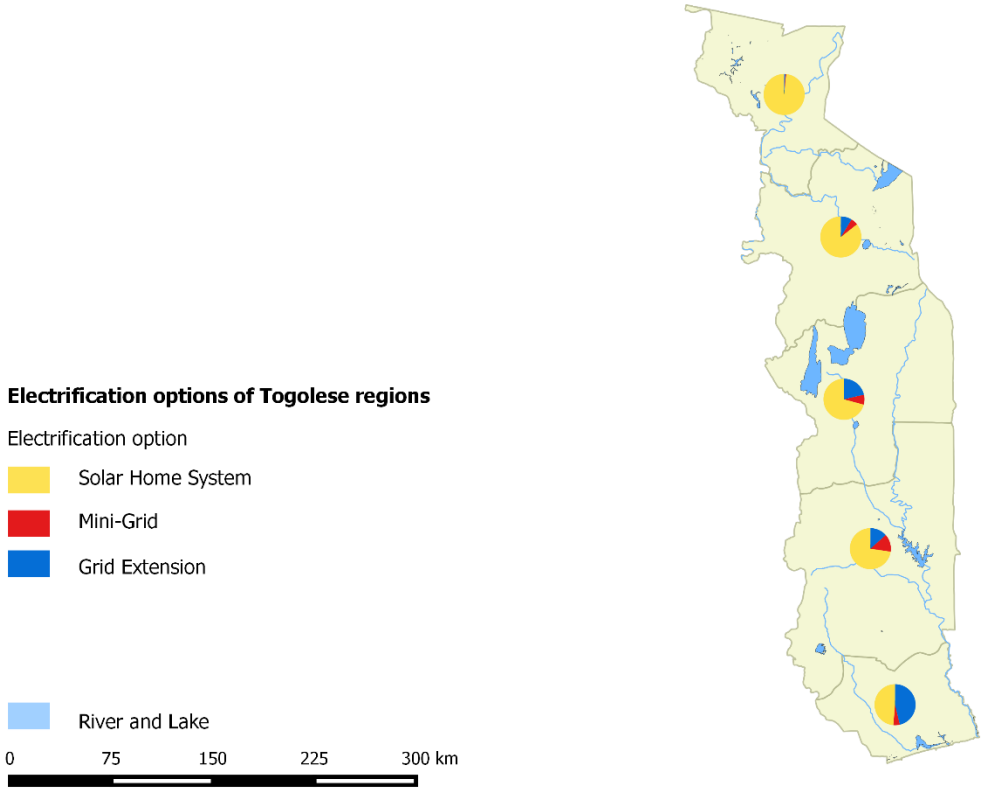
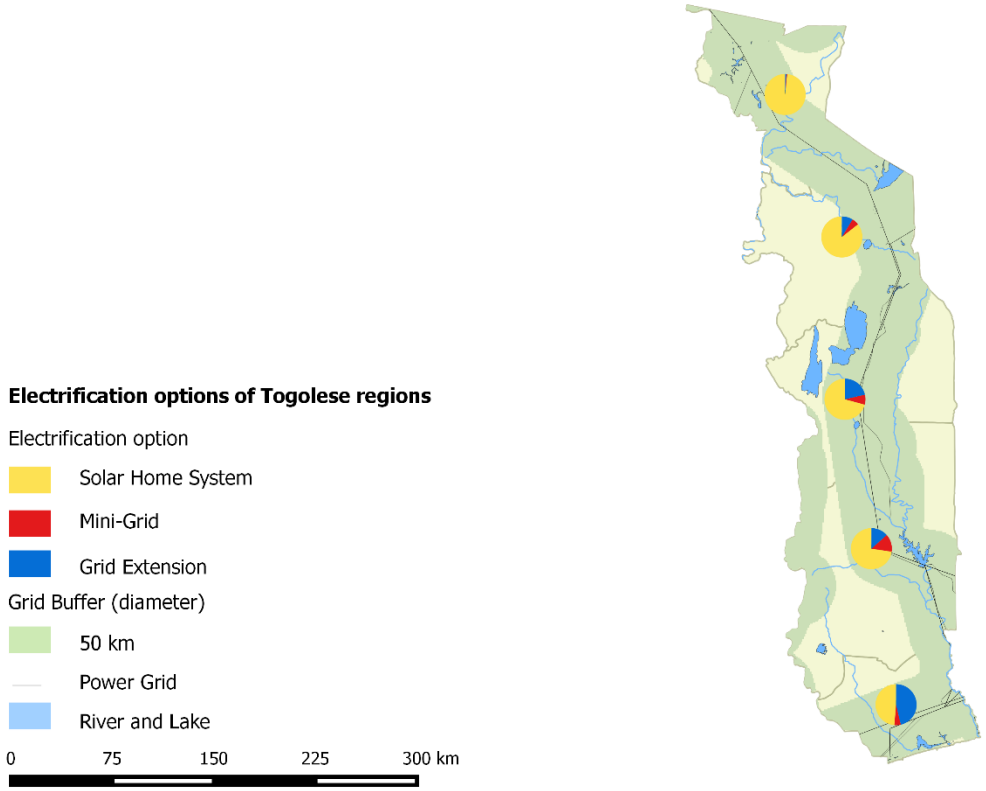
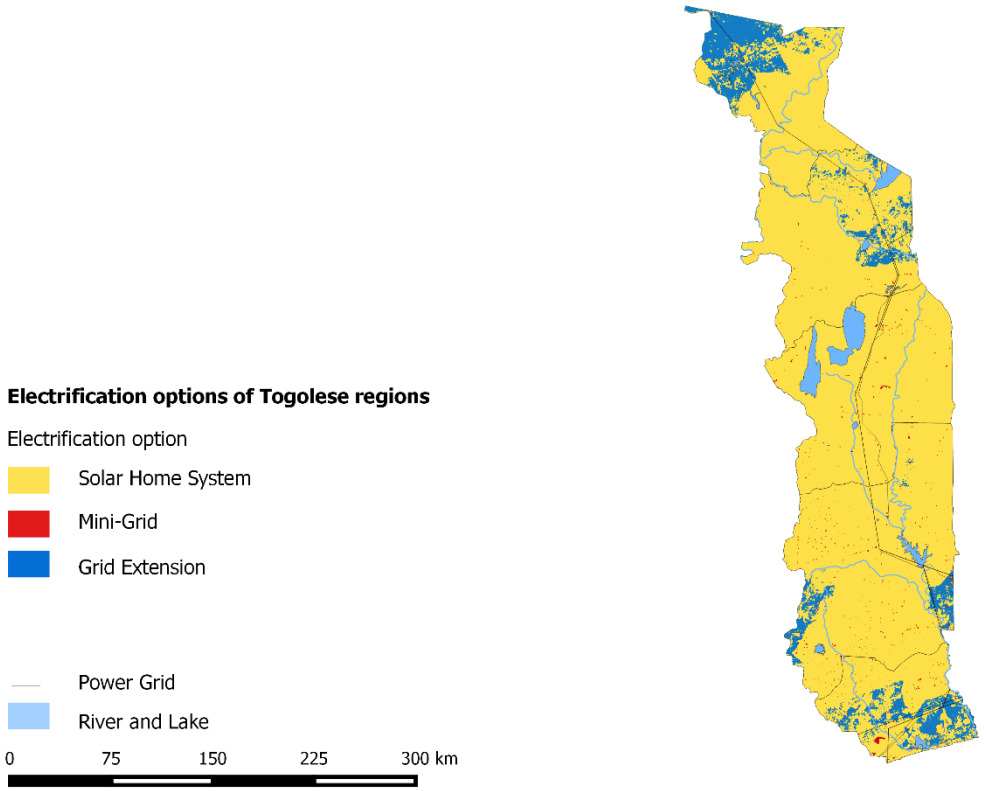
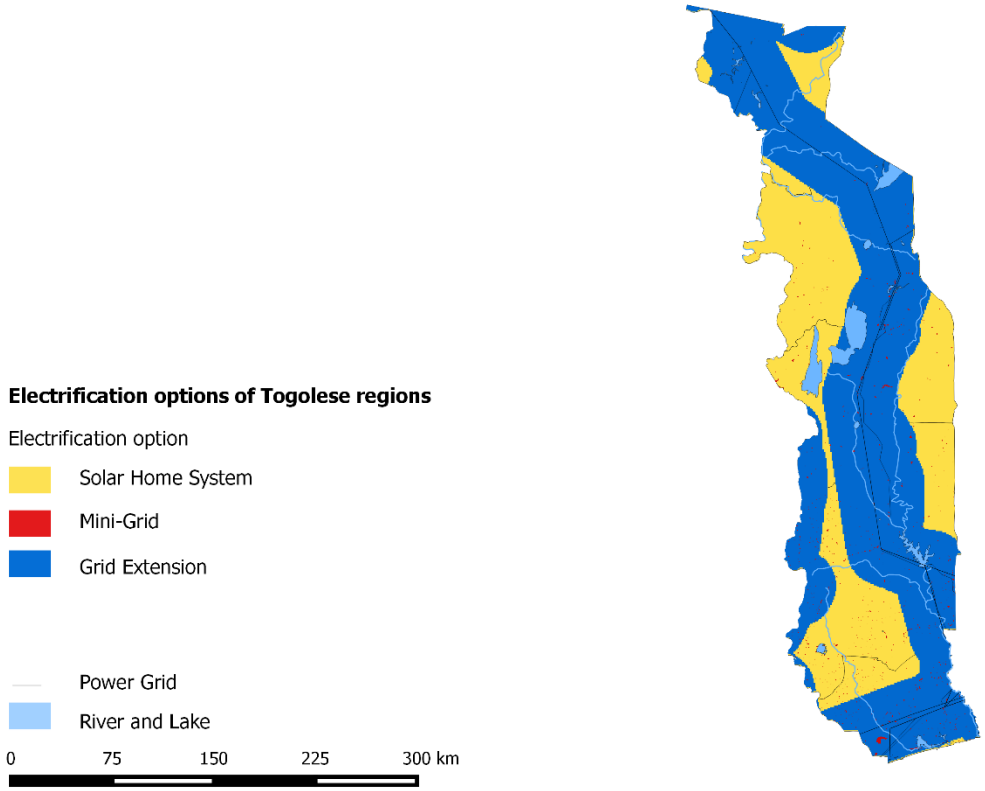




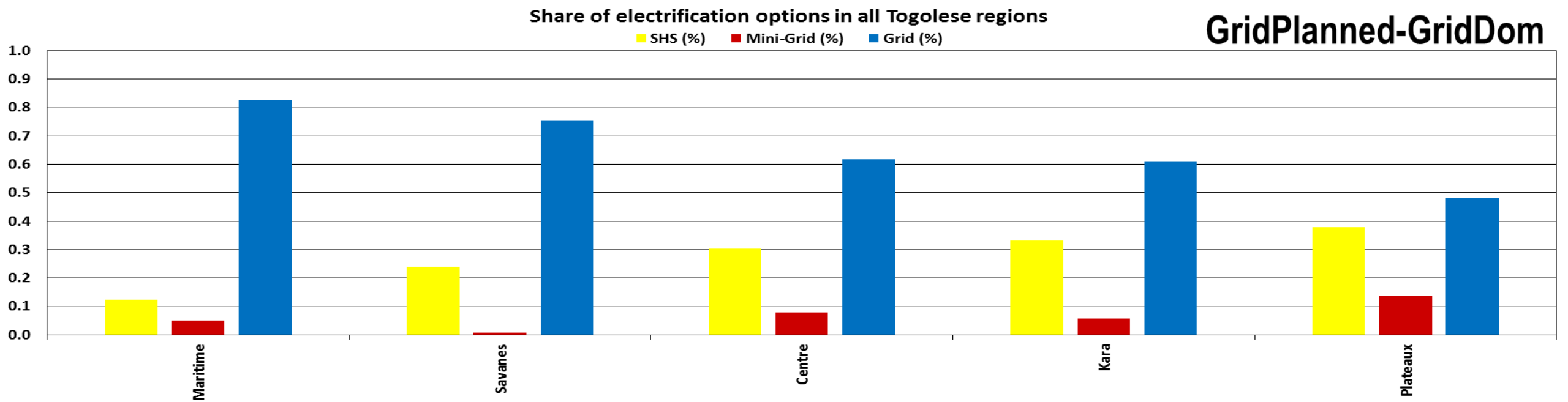
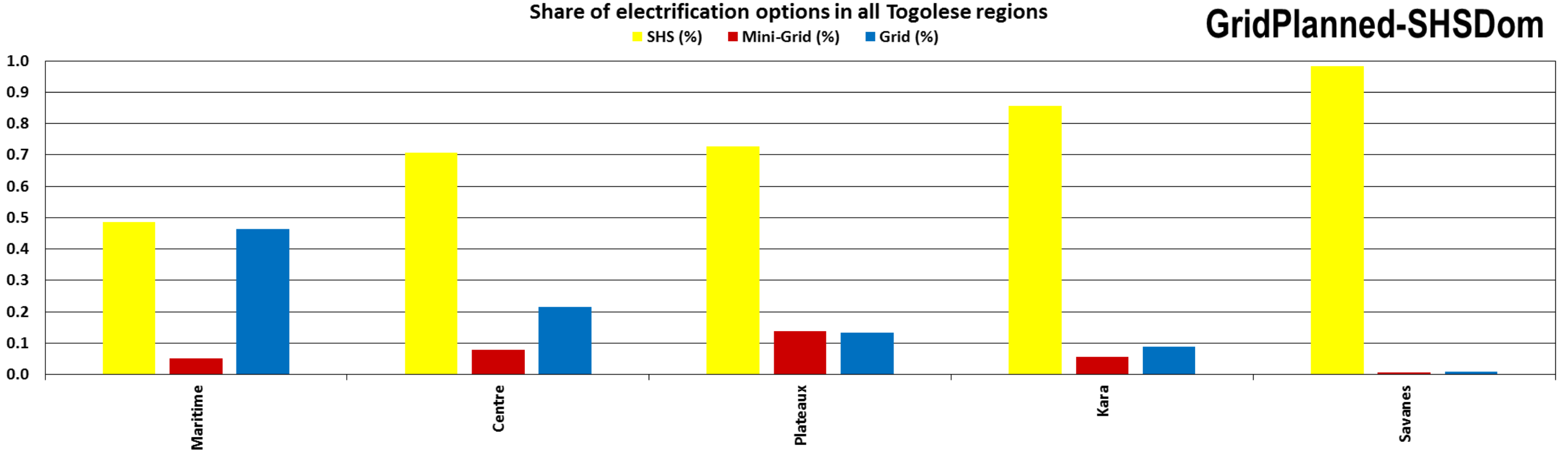
Electrification option: GridPlanned-SHSDom



Electrification option: GridPlanned-GridDom



GridPlanned-GridDom



GridPlanned-SHSDom