

Marxan – helping to plan for multiple benefits from REDD+

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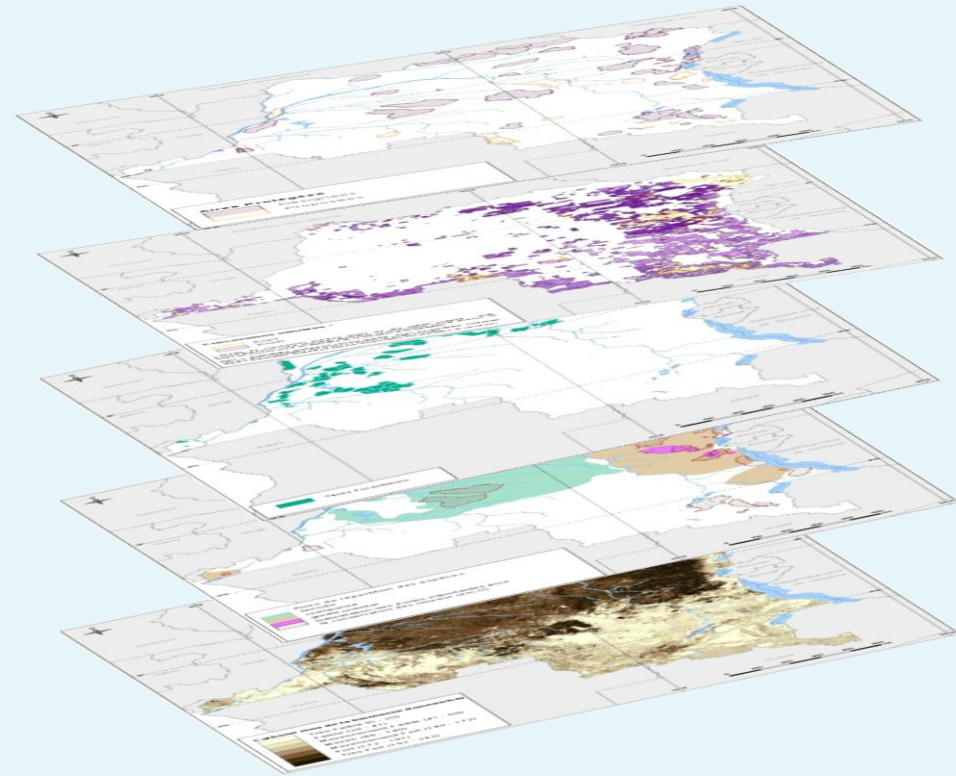
Spatial decision-support software

- Countries face complex challenges when designing REDD+ land-use plans



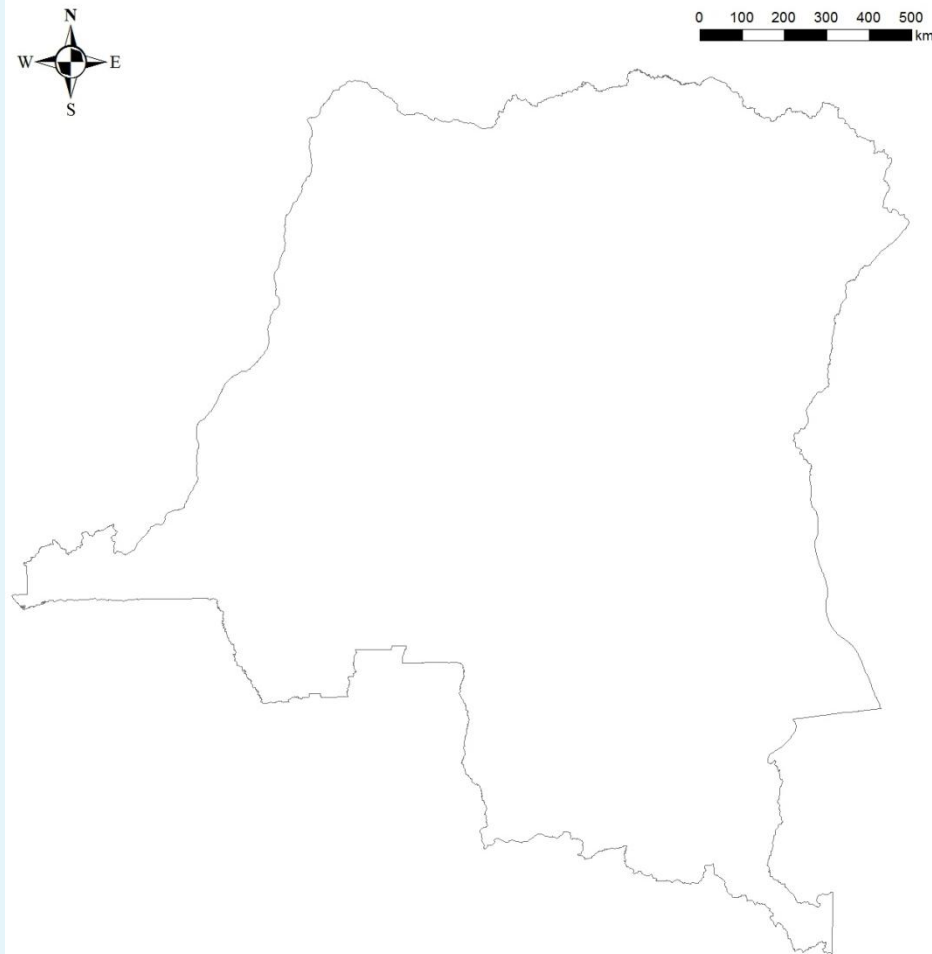
Spatial decision-support software

- Countries face complex challenges when designing REDD+ land-use plans
- Computer programmes (software) can be used to support land-use planning process



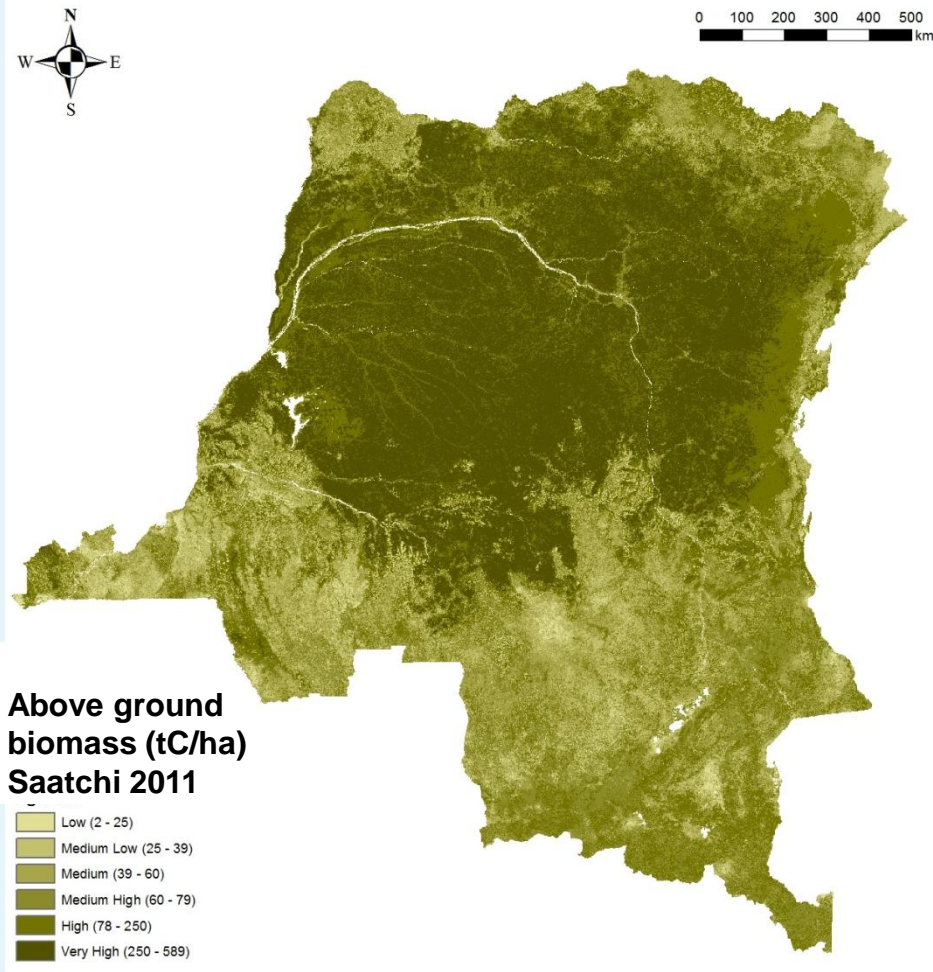
Marxan is a type of spatial planning software

- Marxan is a type of spatial decision-support software



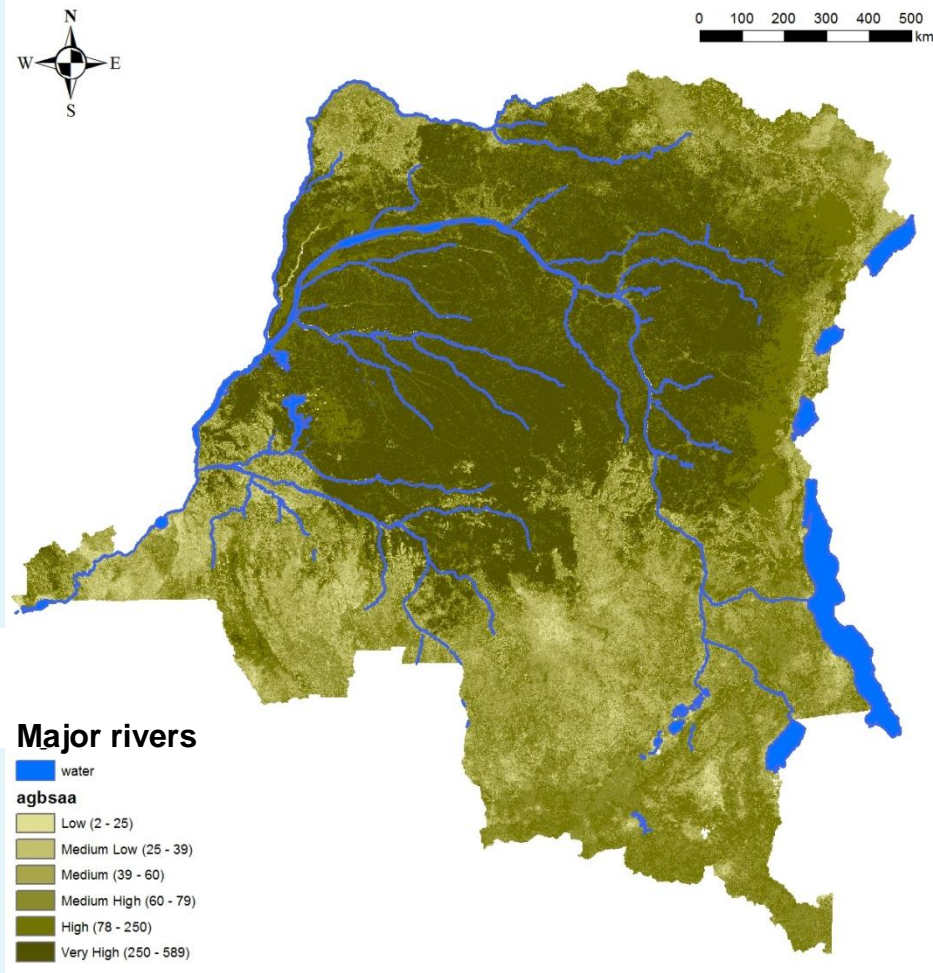
Marxan is a type of spatial planning software


- Marxan is a type of spatial decision-support software
- It can consider multiple spatial targets set by decision makers



Marxan is a type of spatial planning software

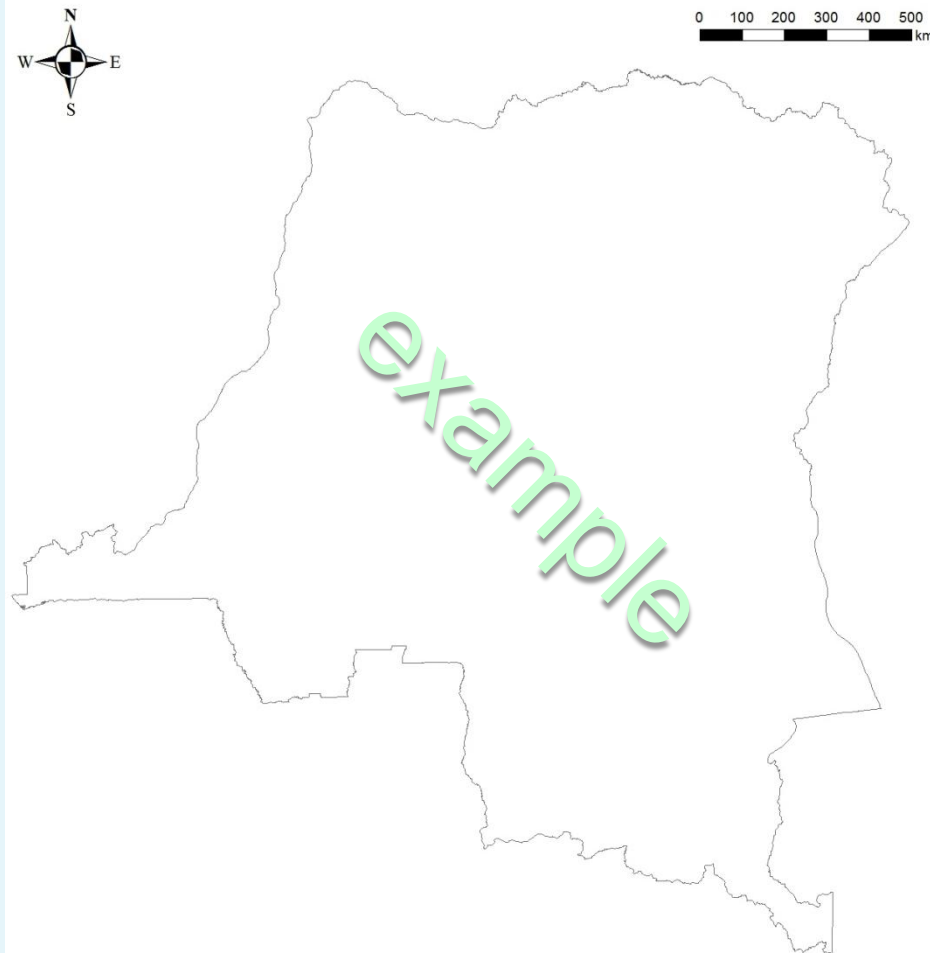
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Marxan is a type of spatial planning software

- Marxan is a type of spatial decision-support software
- It can consider multiple spatial targets set by decision makers
- Output - a REDD+ priority map indicating how these targets can be met at least cost





How should Marxan for REDD+ work?

Consultation on targets for REDD+ and desired cost layer,

Acquire datasets

Create planning units, target layers and cost layer

Run Marxan

Review results with stakeholders

- Critical to involve decision makers from the start



Marxan limitations

Consultation on targets for REDD+ and desired cost layer

Clearly defined targets needed



Acquire datasets

Create planning units, target layers and cost layer

Run Marxan

Review results with stakeholders



Marxan limitations

Consultation on targets for REDD+ and desired cost layer

Acquire datasets

Create planning units, target layers and cost layer

Run Marxan

Review results with stakeholders

Datasets not always available





Marxan limitations

Consultation on targets for REDD+ and desired cost layer

Acquire datasets

Create planning units, target layers and cost layer

Run Marxan

Review results with stakeholders

Technical GIS experts needed





Marxan limitations

Consultation on targets for REDD+ and desired cost layer

Acquire datasets

Create planning units, target layers and cost layer

Run Marxan

Review results with stakeholders

Can only consider one REDD+ activity at a time





Marxan limitations

Consultation on targets for REDD+ and desired cost layer

Acquire datasets

Create planning units, target layers and cost layer

Run Marxan

Review results with stakeholders

Need to consider additional targets?





Summary

- Spatial software like Marxan can be used to support land-use planning
- Marxan can be used for REDD+ to
 - Develop REDD+ plans consistent with the Cancun safeguards
 - Identify priority areas for multiple benefits from REDD+ at least cost
- Marxan and other land-use planning exercises require
 - Clearly defined targets to be set by a multi-stakeholder group
 - Decision makers involved at an early stage
 - Time and resources

Thank you for listening!

