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# Global Gross Forest Cover Loss and Carbon Release, 2000-2005

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Geographic Information Science Center of Excellence

South Dakota State University

<http://www.globalmonitoring.sdstate.edu/projects/gfm>

NASA LCLUC program Grant #NNG06GD

# Summary

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# Methods

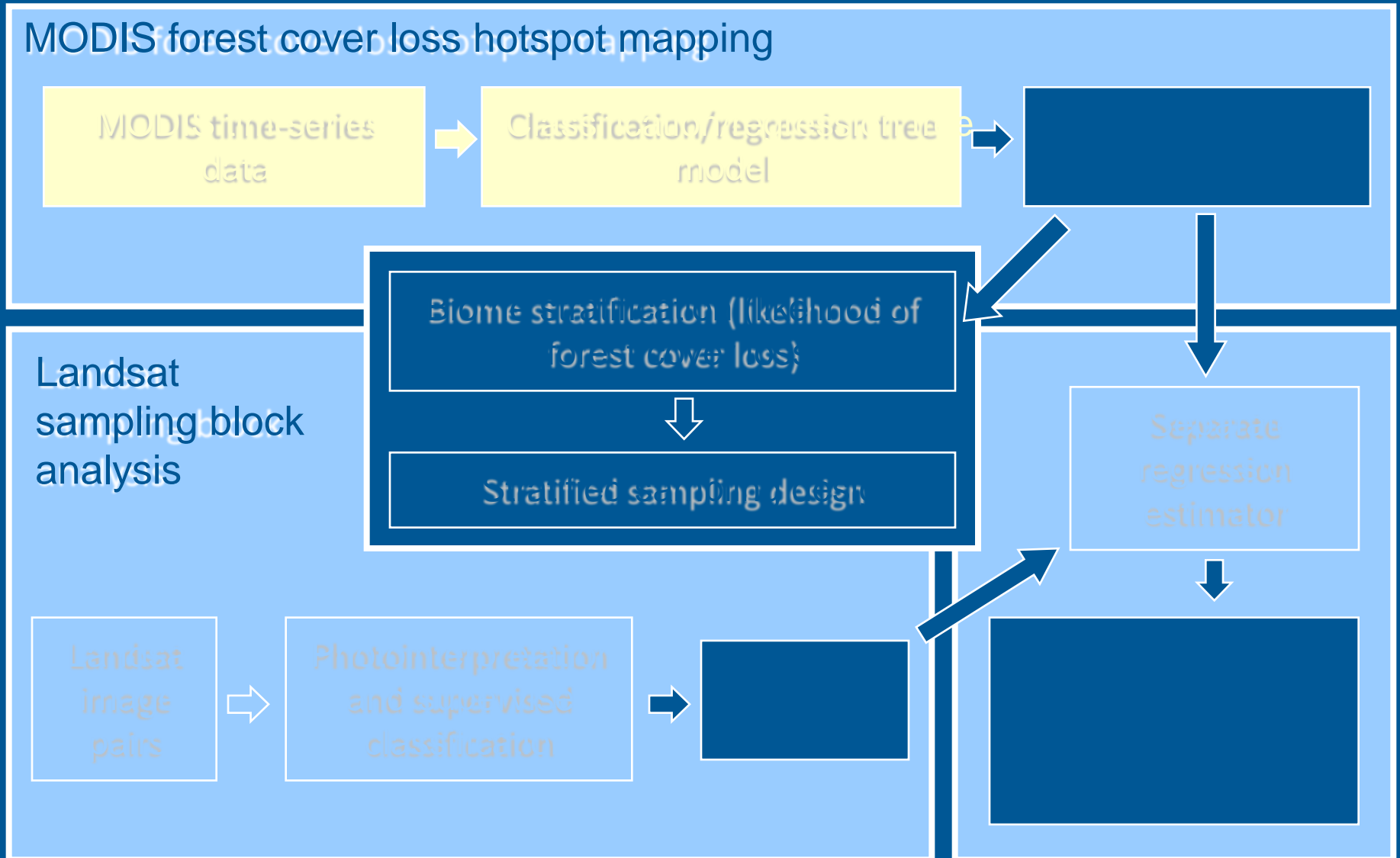
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# Methods

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## Biomewide forest cover loss analysis workflow



# Methods

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# Stratified sampling design

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# Stratified sampling design

Biome	Total sampling blocks within biome	No. of blocks sampled	Low change stratum	Medium change stratum	High change stratum	Forest cover loss, Mha	Forest cover loss standard error, Mha
Humid Tropical	57137	183	87	40	56	27.2	+/- 2.3
Dry Tropical	76041	120	65	25	30	20.4	+/- 3.3
Temperate	52055	120	40	40	40	18.4	+/- 3.5
Boreal	62625	118	43	25	50	35.1	+/- 4.0

# Stratified sampling design

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# Biome boundaries and sample block locations

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# Percent forest cover, 2000

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# Percent forest cover, 2000

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# Percent forest cover loss, 2000 to 2005

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# Percent forest cover loss, 2000 to 2005

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# Above-ground carbon release, 2000 to 2005

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# Above-ground carbon release, 2000 to 2005

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# Results

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# Conclusion

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