

Treeline Shift predicted under Climate Change Scenarios in and near Bhutan

Summary

This data shows how climate change-induced treeline shift may change the extent of the alpine zone in and near Bhutan.

Description

The file represents treeline shift projections under climate change to the year 2100 (Forrest et al. 2012) clipped to a map extent surrounding Bhutan.

Attributes:

0 = Alpine Zone - No Change

1 = Change under high emissions (A2)

2 = Change under moderate emissions (A1B) [+ high emissions]

3 = Change under low emissions (B1) [+moderate and high emissions]

4 = Current Forest Zone – No change anticipated

Credits

Forrest J.L., Wikramanayake E., Shrestha R., Areendran G., Gyeltshen K., Maheshwari A., Mazumdar S., Naidoo R., Thapa G. J., Thapa K. 2012. Conservation and climate change: Assessing the vulnerability of snow leopard habitat to treeline shift in the Himalaya. *Biological Conservation* 150 (129).