

Treeline Shift predicted under Climate Change Scenarios in and near the Karakoram-Pamir Landscape, Pakistan

Summary

This data shows how climate change-induced treeline shift may change the extent of the alpine zone in and near the Karakoram-Pamir Landscape, Pakistan (KKP).

Description

The file represents treeline shift projections under climate change to the year 2100 (Forrest et al. 2012) clipped to a map extent encompassing the KKP. The treeline shift data does not extent to the eastern-most part of the landscape.

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).