

## Classifications using Vegetation Structure

Based on:

- 1. plant physiognomy (trees vs. no trees)
- 2. degree of canopy closure 3. may include number of vegetation strata

Brown and Lomolino, 1998

Prof. J. Hicke

## Example of six types of vegetation:

Everest: Sites dominated by trees and a generally continuous canopy

<u>Woodland:</u> Sites typified by widely spaced trees allowing for substantial areas dominated by shrubs, grasses, or herbs

Shrubland: Sites dominated by a relatively continuous canopy of shrubs

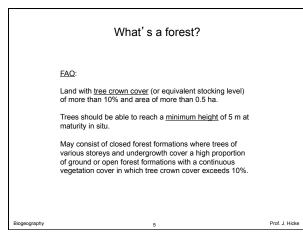
Grassland: Sites dominated by grasses and herbs

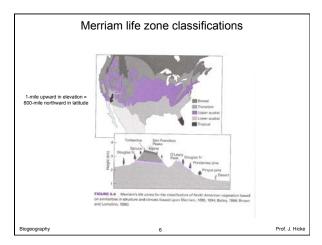
Scrub: Sites dominated by widely spaced shrubs

Desert: Sites dominated by spare xerophytic plant cover with mostly bare ground

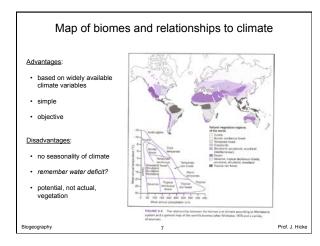
4

Biogeography

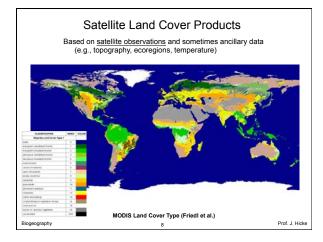




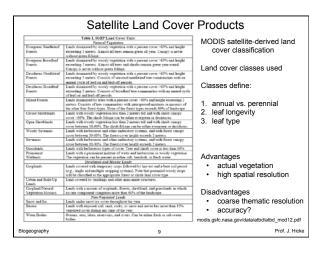














NCAR Community Land Model				
Plant Functional Types				
	Copp	ee	Trees 1-km U. Maryland tree • needleleaf, broadleaf • evergreen, deciduous <u>Others</u> 1-km IGBP DISCover • shrub, grass, crop	over
Monthly Leaf Area • 1-km AVHRR red and near infrared reflectance • April 1992 to March 1993 • 'Pure PFT NDVI for 200 km × 200 km grid • Average NDVI for each 1-km pixel with PFT > 60%				
Biogeography		www.cgd. 10	ucar.edu/tss/clm/pfts/pft-deriv.gif	Prof. J. Hicke



