

# High Mountain Asia Snow Trends

Karl Rittger, PhD

Institute of Arctic and Alpine Research

University of Colorado, Boulder

[Karl.Rittger@colorado.edu](mailto:Karl.Rittger@colorado.edu)

# Analysis of snow cover using “snow cover days”

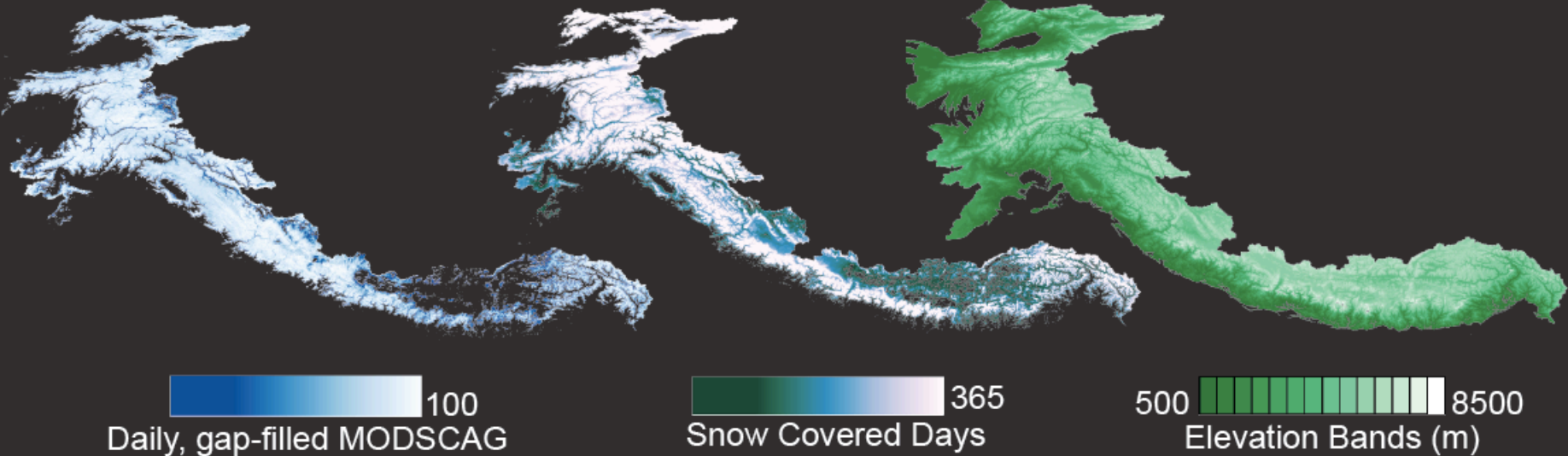
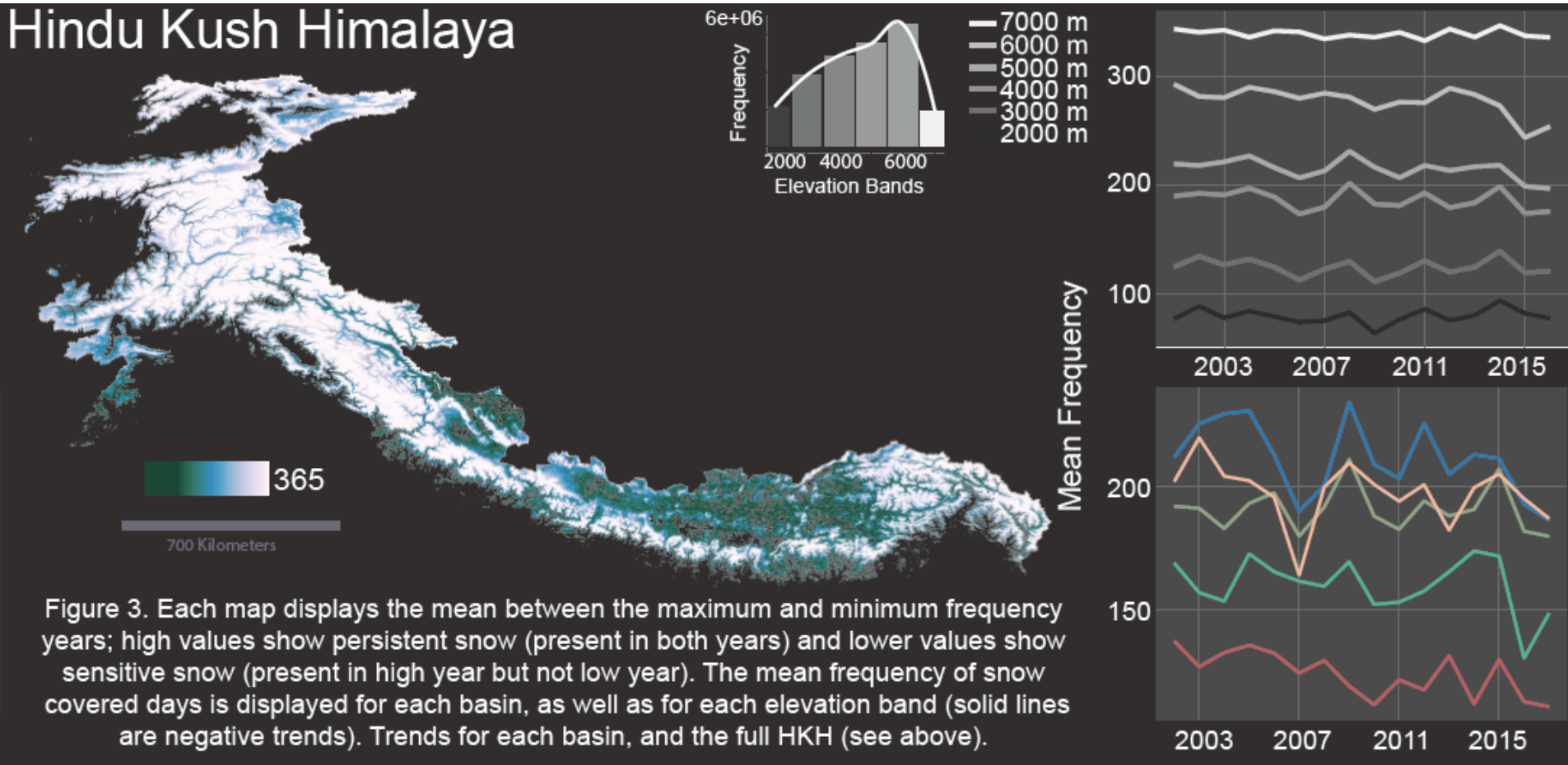


Figure 2. Daily gap-filled MODSCAG data (left) are aggregated annually (i.e. the number of snow covered days in each pixel per year) over the MODIS record (2002-2017) to determine snow covered days (center). 500-meter elevation bands are also applied (right). Annual trends are then assessed across basins and elevation classes.

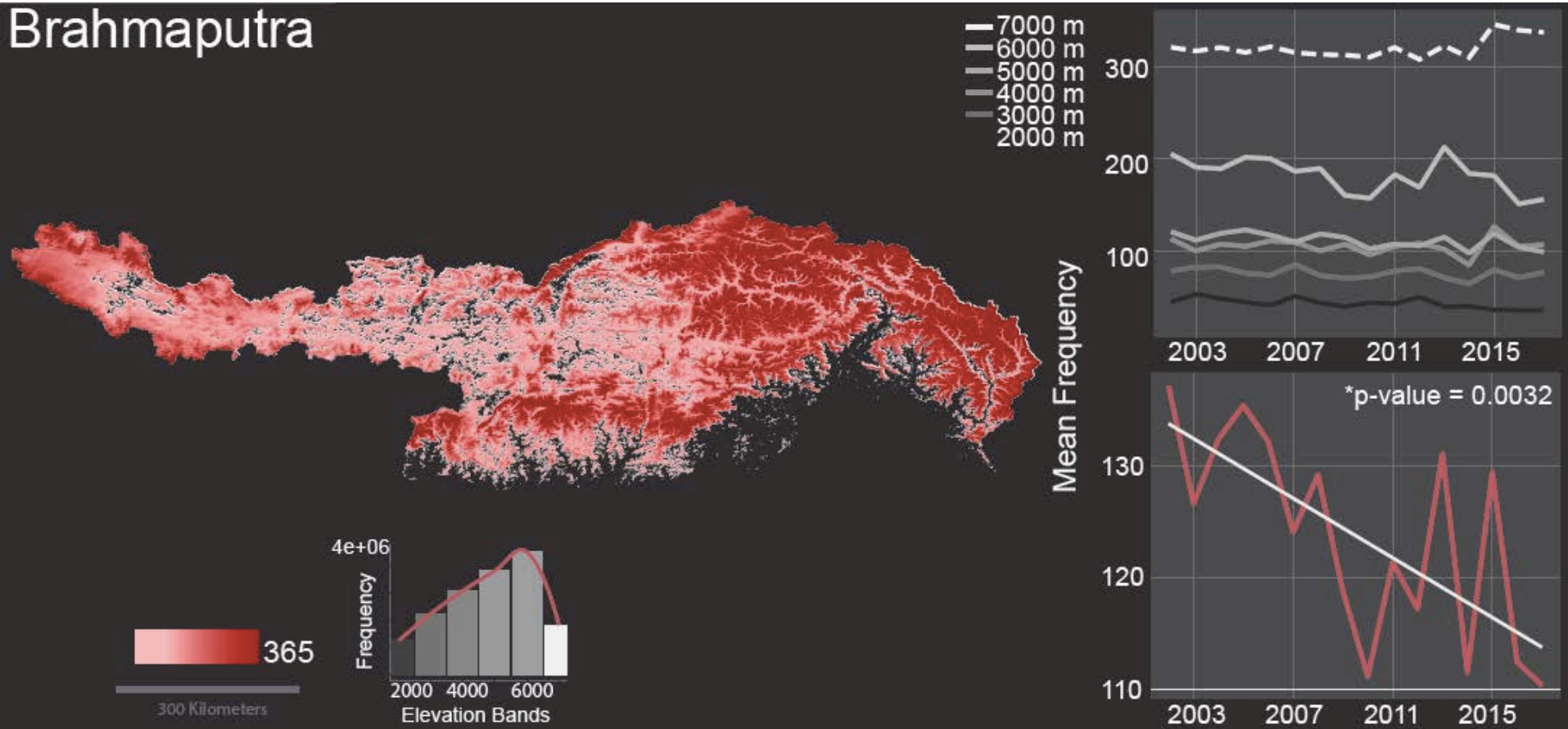
# Snow cover trends in the Hindu Kush Himalaya



Data: Karl Rittger

Analysis: Chelsea Ackroyd & Mckenzie Skiles

# Snow cover trends in the Brahmaputra



Data: Karl Rittger

Analysis: Chelsea Ackroyd & Mckenzie Skiles

# Snow cover trends in the Amu Darya

Amu Darya

