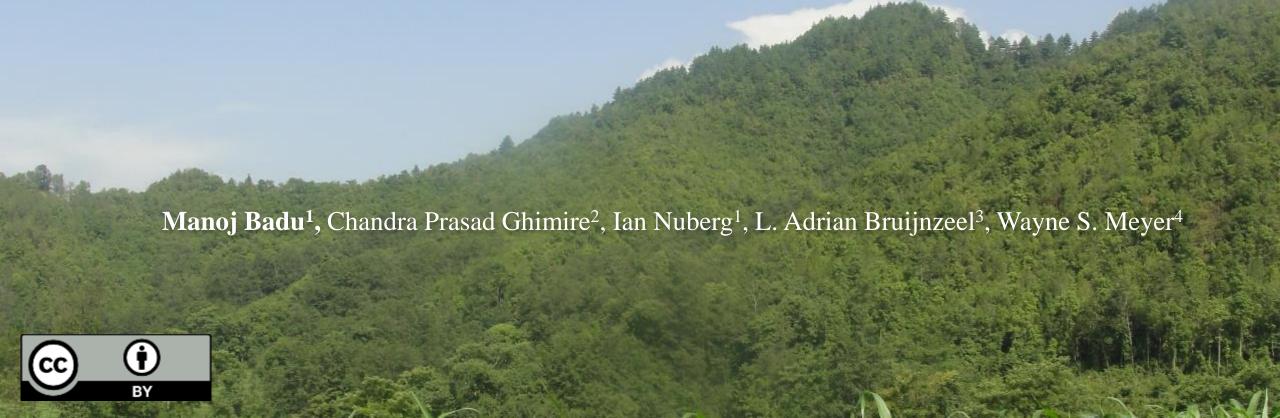
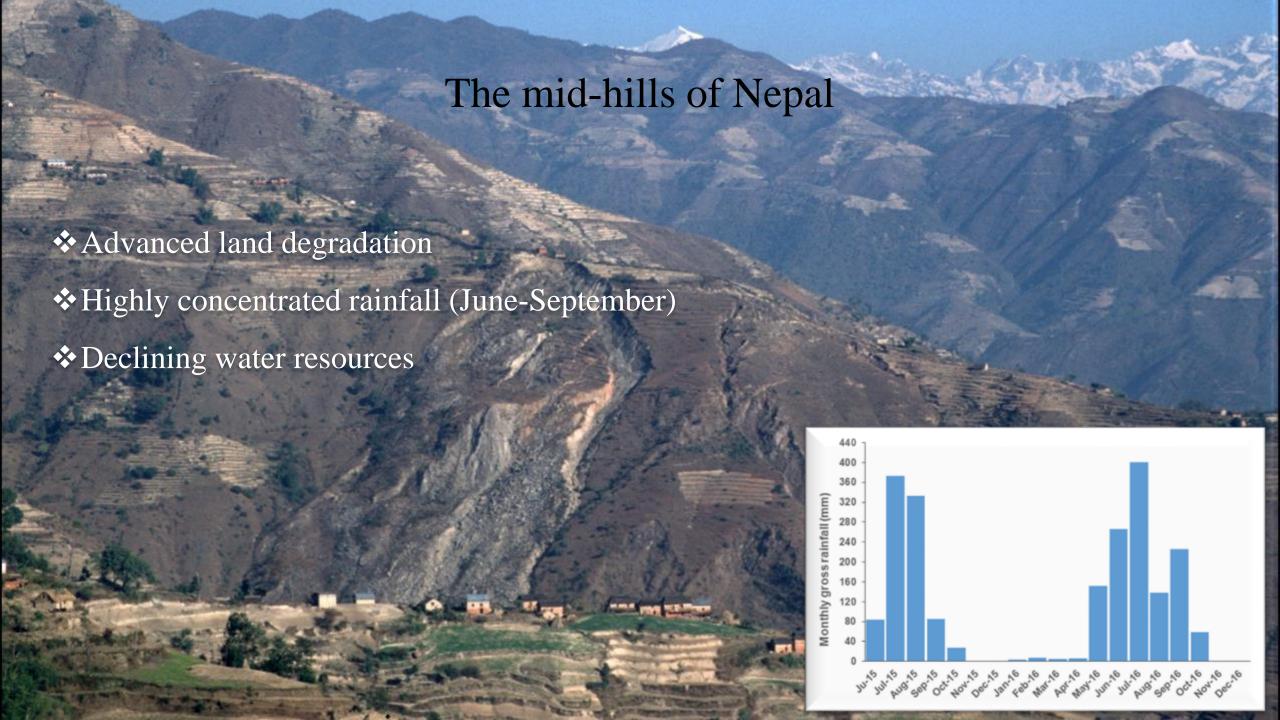
Rainfall partitioning in three major types of forests in the mid-hills of Nepal





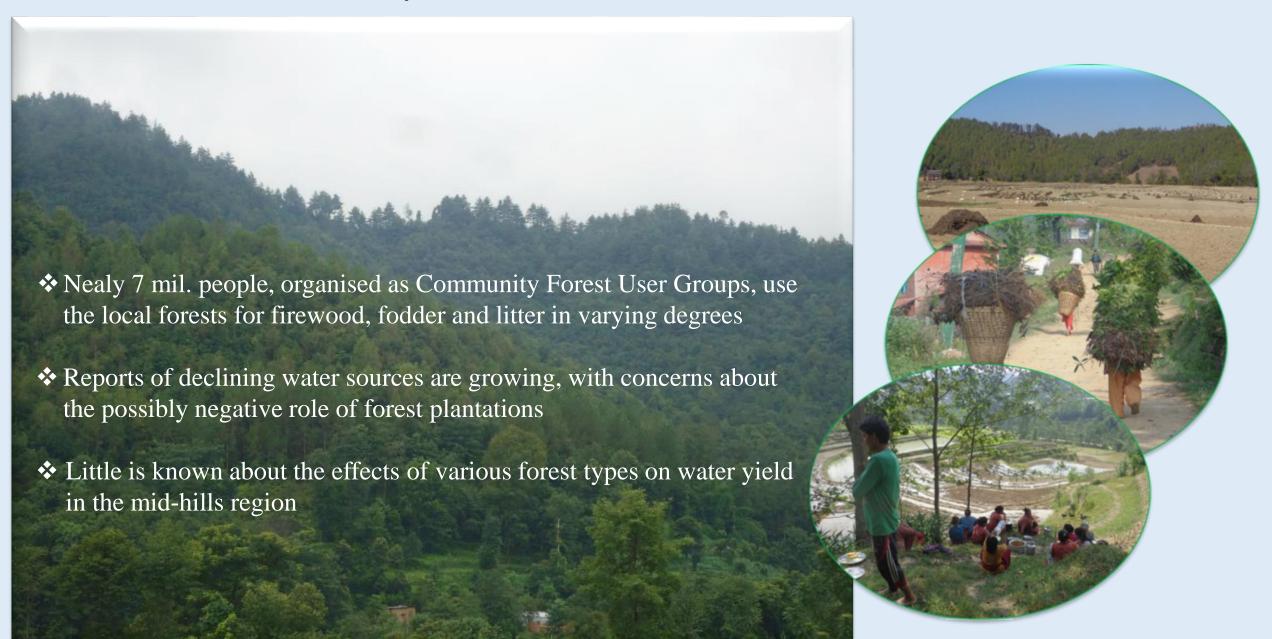
Degraded landscape and water

- ❖ High discharge fluctuations and accelerated erosion during rainy season
- * Reduced dry-season flow and hardships to year-round water availability

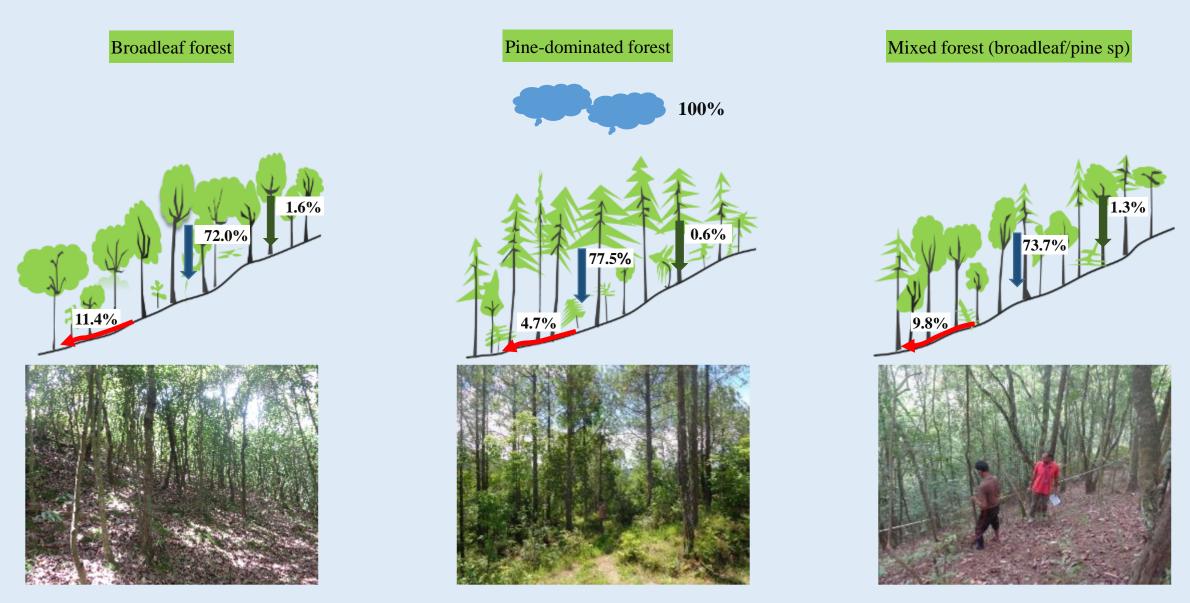


Roshi river flow in September (a) and April 2015 (b) near the current study sites; Increased hardships to accessing water (c)

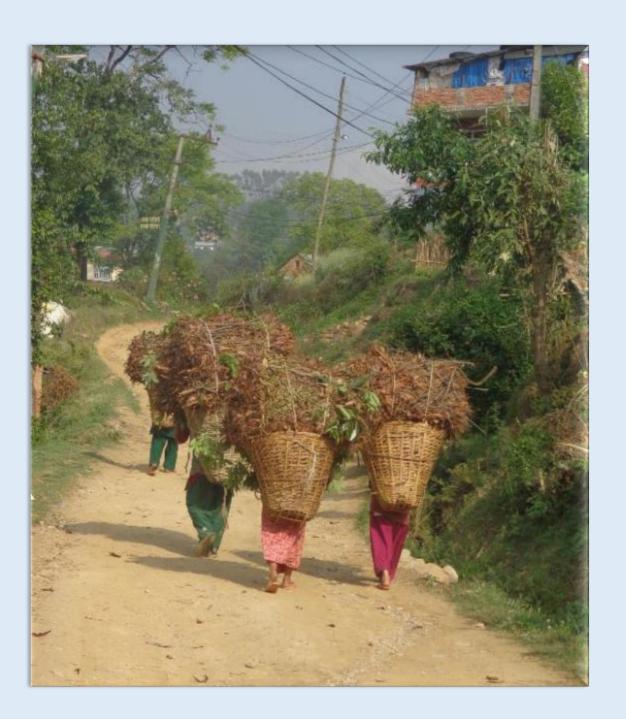
Forests currently dominate the land use of the mid-hills catchments



We measured daily rainfall, throughfall, stemflow and overland flow during June 2015-December 2016 in three major forest types of the mid-hills



Note: Overland flow values are expressed as % of net rainfall



Conclusion

❖ In addition to the forest types, intensity of forest use by the local communities is an important determinant of forest-water relationships in Nepal's mid-hills catchments