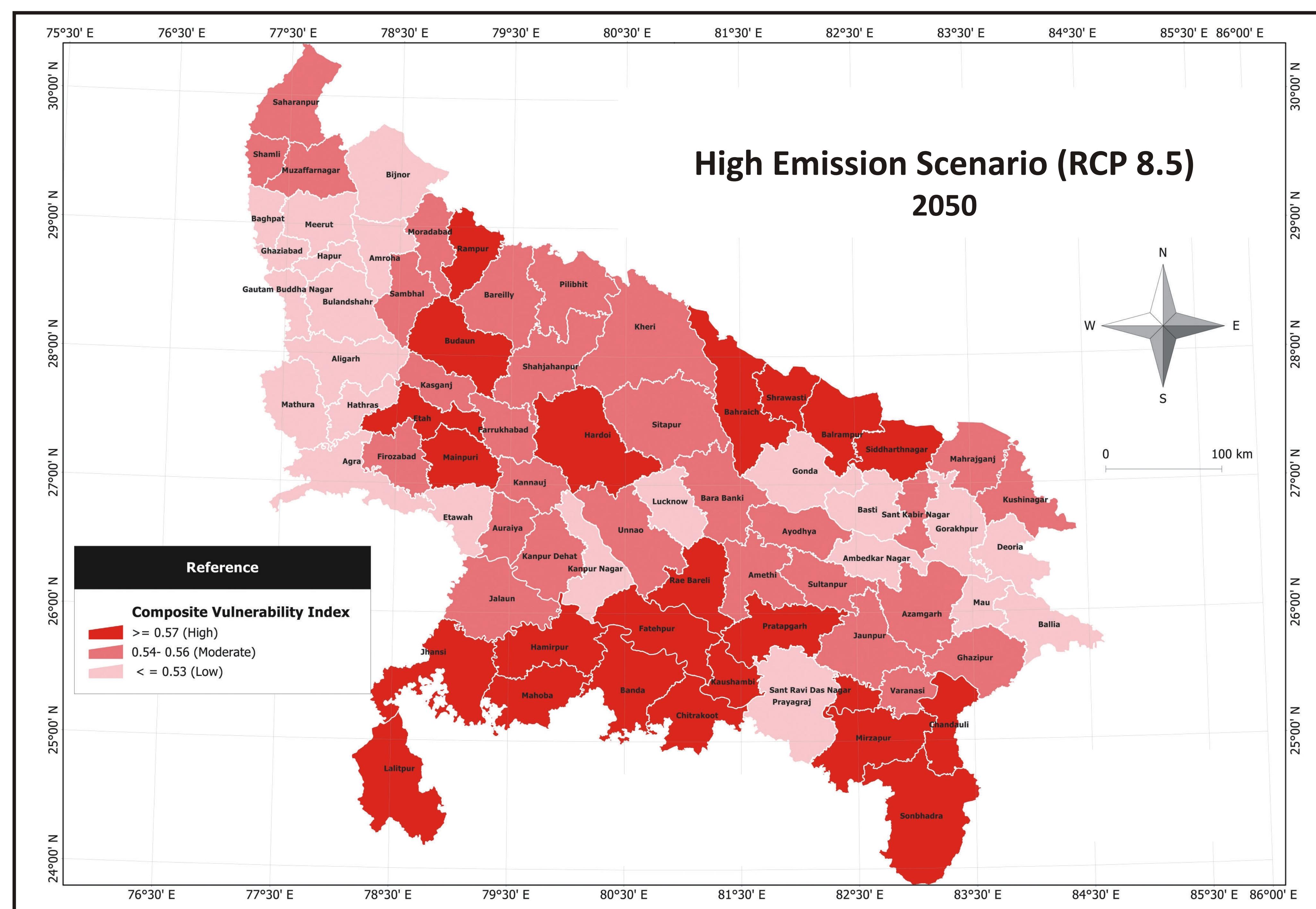
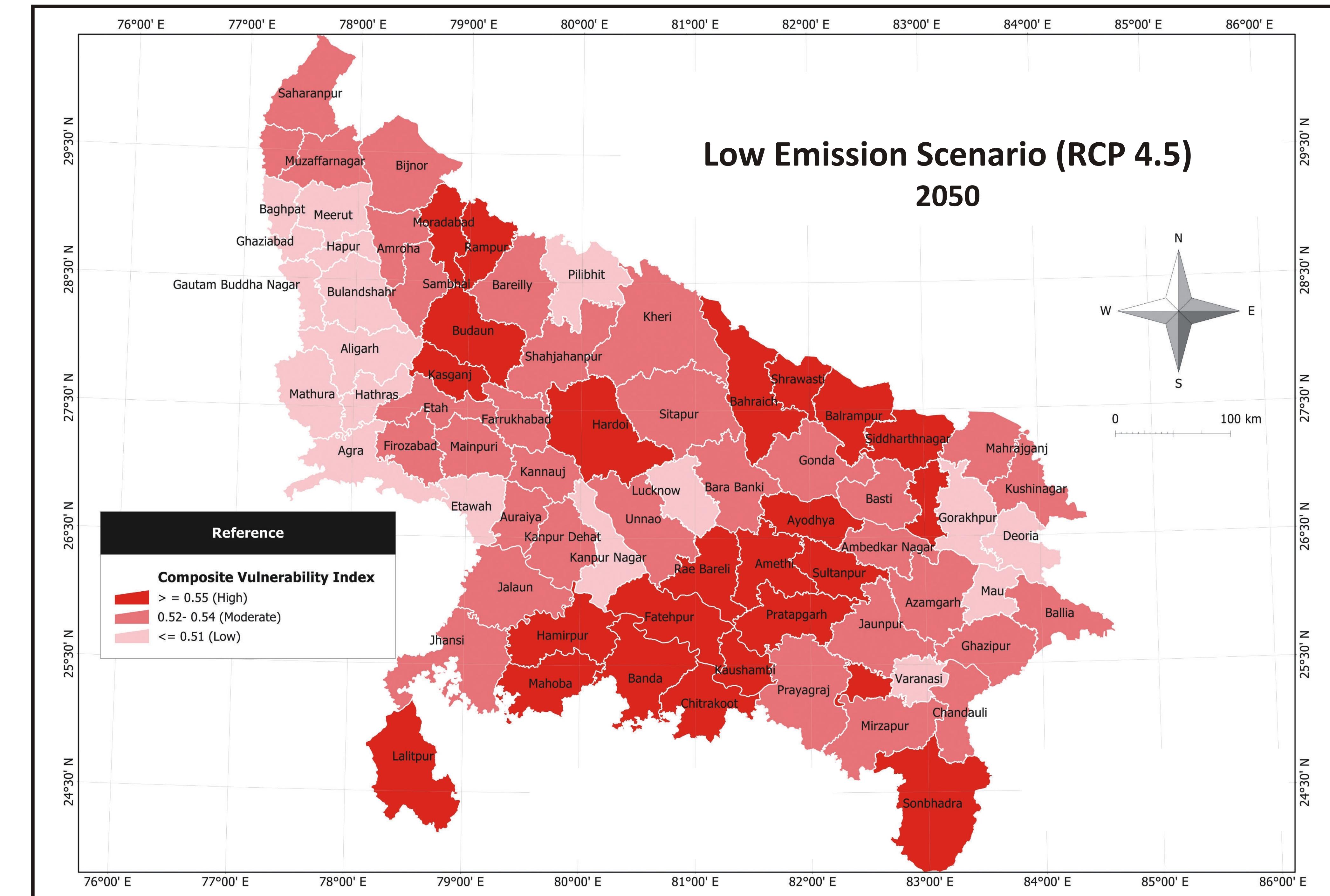
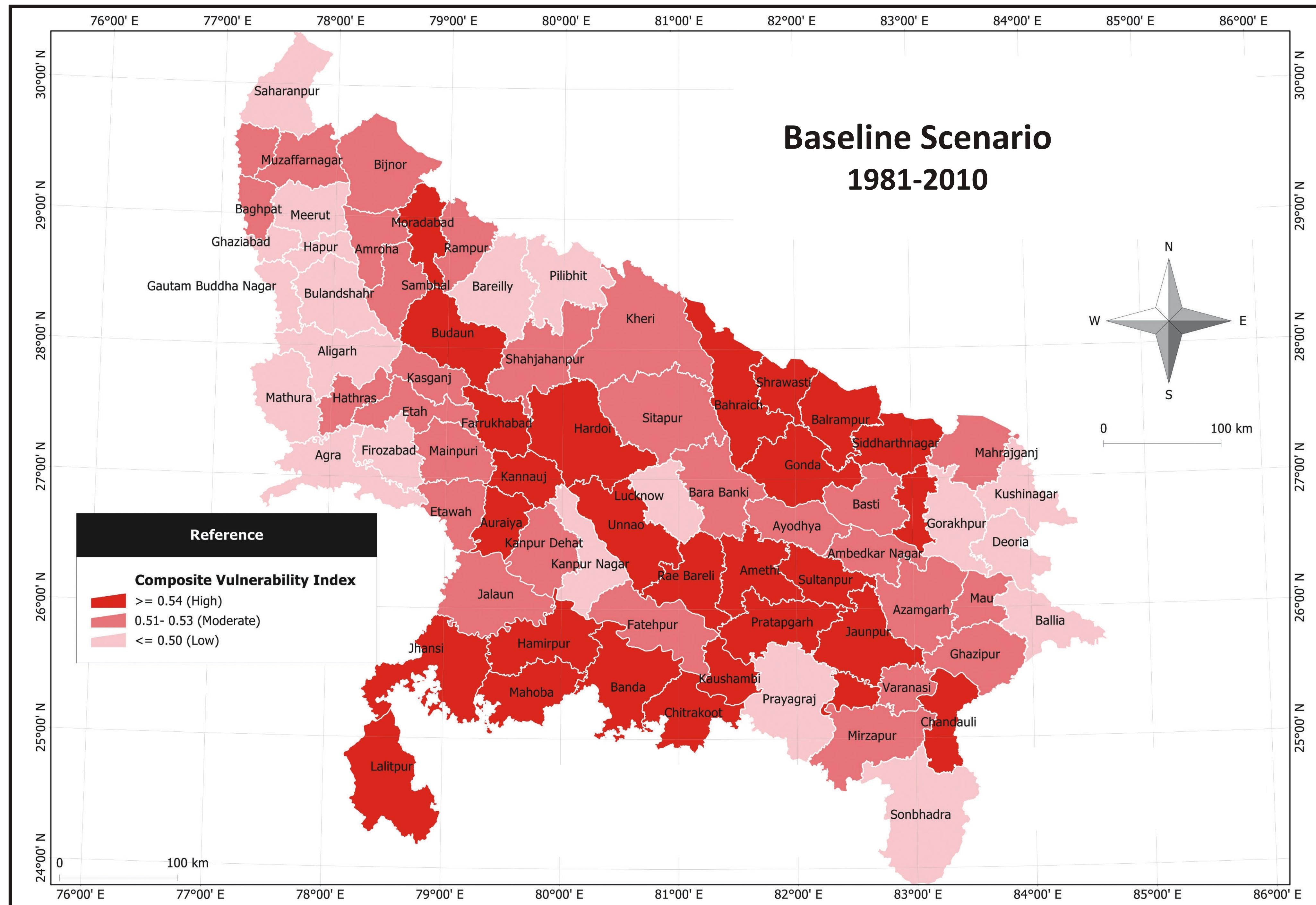




Climate Change & Composite Vulnerability Index of Uttar Pradesh in Different Scenarios of Emission



Selected Indicators for Composite Vulnerability Index			
Historical Climatic Exposure	<ul style="list-style-type: none"> Number of Heavy Precipitation Days (R10mm) Extremely Wet Days (R99p) Consecutive Dry Days (CDD) Average JJAS Precipitation Warm Days (TX90p) Cool Nights (TN10p) Percentage of Area Prone to Flood Coefficient of variation in Maximum Temperature Coefficient of variation in Minimum Temperature 	Sensitivity	<ul style="list-style-type: none"> No. of critical, semi critical and over exploited block in ground water utilization Percentage of barren and uncultivable and to reporting area Density of population in sq km Percentage of gross irrigated area to gross area sown Percentage of child and old age population in the age group 0-6, and 65 Percentage of land holding below 1 hectare Dependency of agriculture sector Multidimensional poverty index
Future Scenarios of Climate Exposure (RCP 4.5 & 8.5)	<ul style="list-style-type: none"> Changes of number of heavy rainfall days of mid-century (2021-50) to Baseline Change in Extremely wet days of Mid-Century (2021-50) to Baseline Change in consecutive dry days of Mid-Century (2021-50) to Baseline Changes in Monsoonal Rainfall in Mid-Century to baseline 4.5 and 8.5 Ratio of Mid Century (2021-50) to Baseline of Annual Max Temperature Ratio of Mid Century (2021-50) to Baseline of Annual Minimum Temperature Change in Warm Days of Mid-Century (2021-50) to Baseline Changes in Cool Nights of Mid-Century (2021-50) to Baseline 	Adaptive Capacity	<ul style="list-style-type: none"> Crop diversity index Percentage of net sown area to reporting area Level of Urbanization % of population dependent on Non-farm activities Total length of pucca roads per lakh population (in km) 2018-19 Livestock development center per lakh of livestock Per capita net domestic product in Rs. (at current prices) (base year 2011-12) Composite Index of Financial Inclusion Percentage of Forest coverage Number of MSME per lakh population

Source: Map prepared by GEAG on Universal Transverse Mercator- Zone 44 (N) World Geodetic 1984 (WGS84) under The Scoping Assessment of U.P., Supported by Govt of Uttar Pradesh and GIZ, 2020