

NATIONAL ACTION PLAN

**THE PREVENTION AND MITIGATION OF THE
IMPACT OF SAND AND DUST STORM (SDS) IN
THE REPUBLIC OF UZBEKISTAN**

DIAGNOSTIC ATLAS

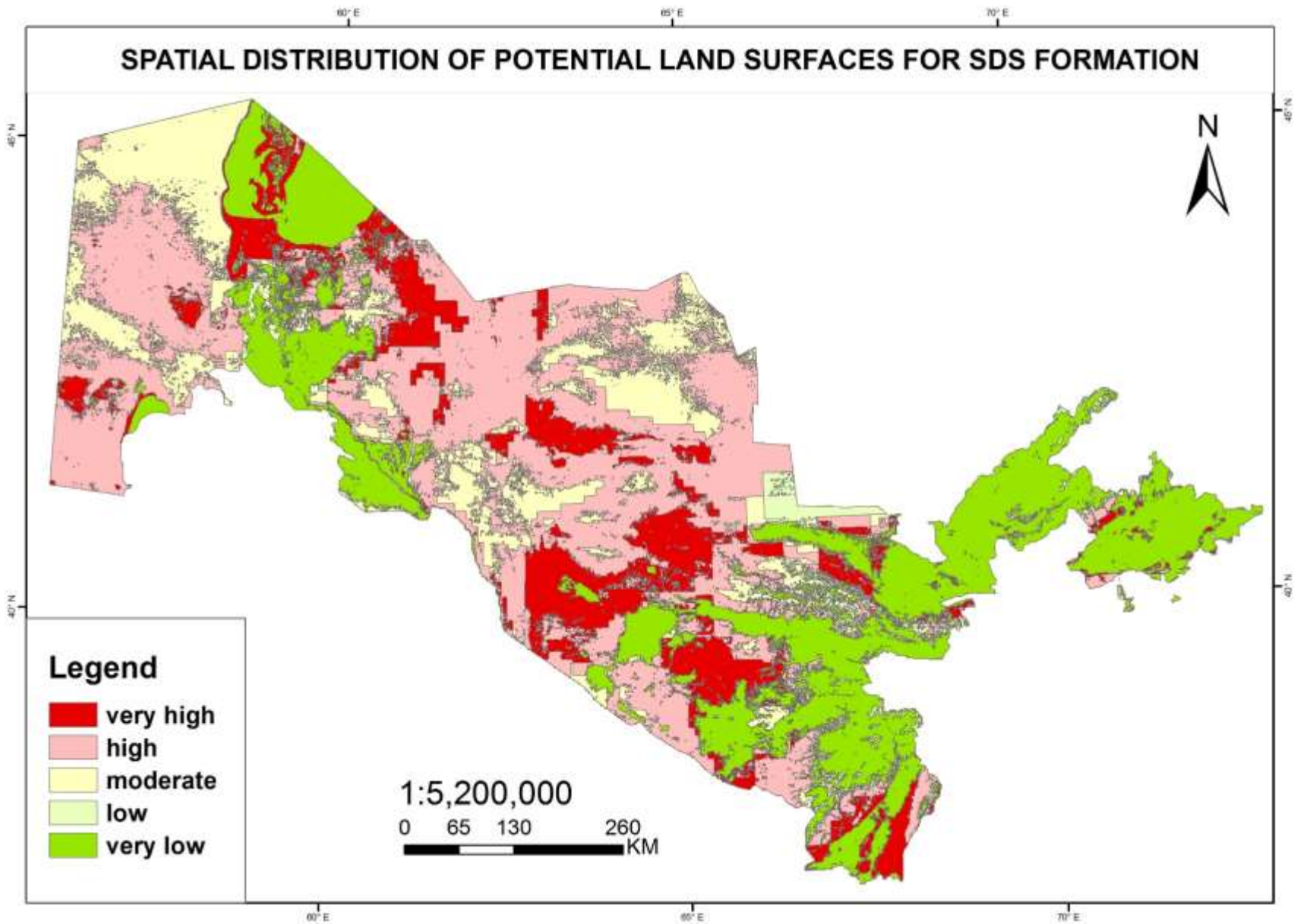
TASHKENT 2020

1. THE REPUBLIC OF UZBEKISTAN



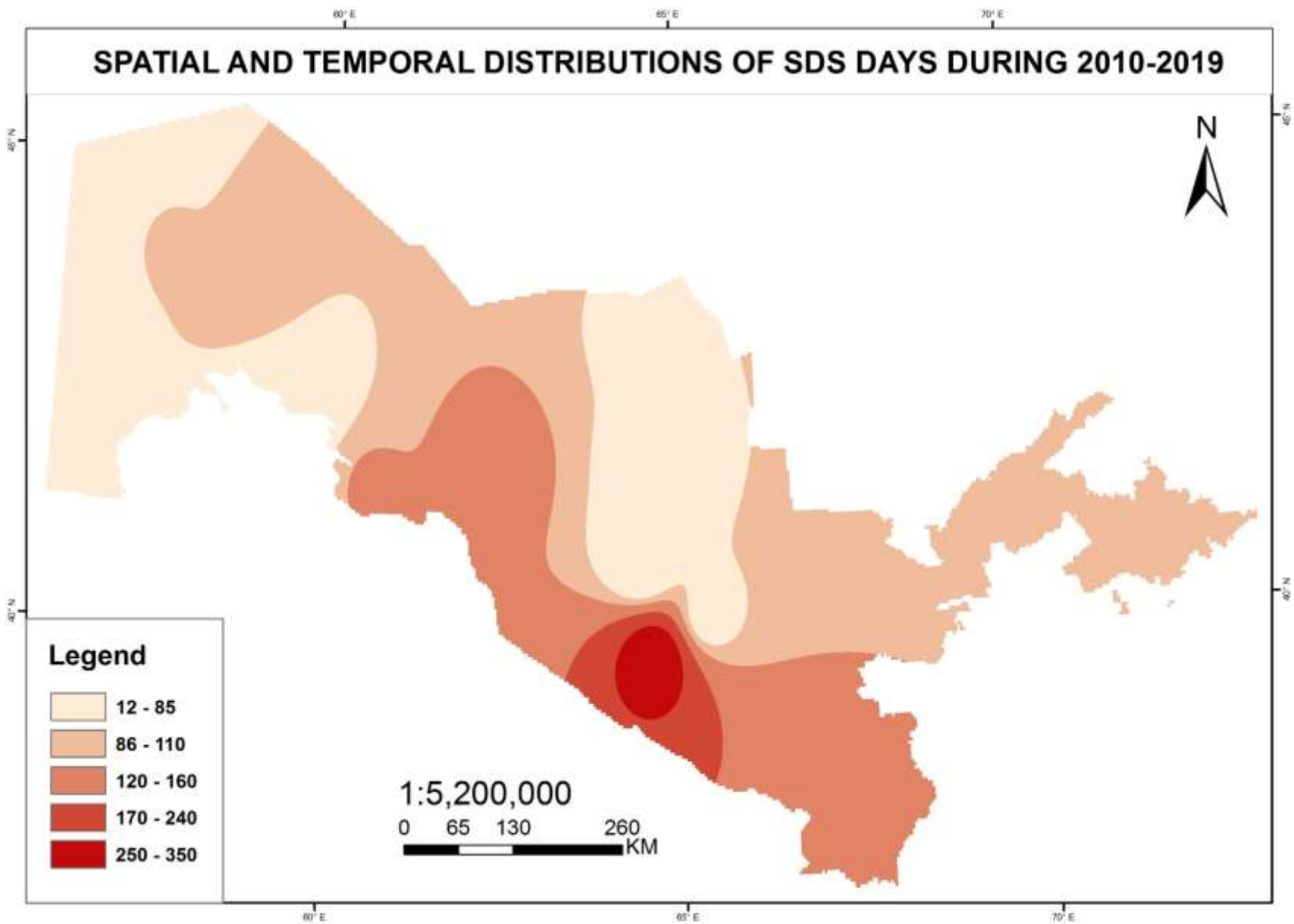
Source: National Action Plan 2020

2. SAND AND DUST STORM SOURCES



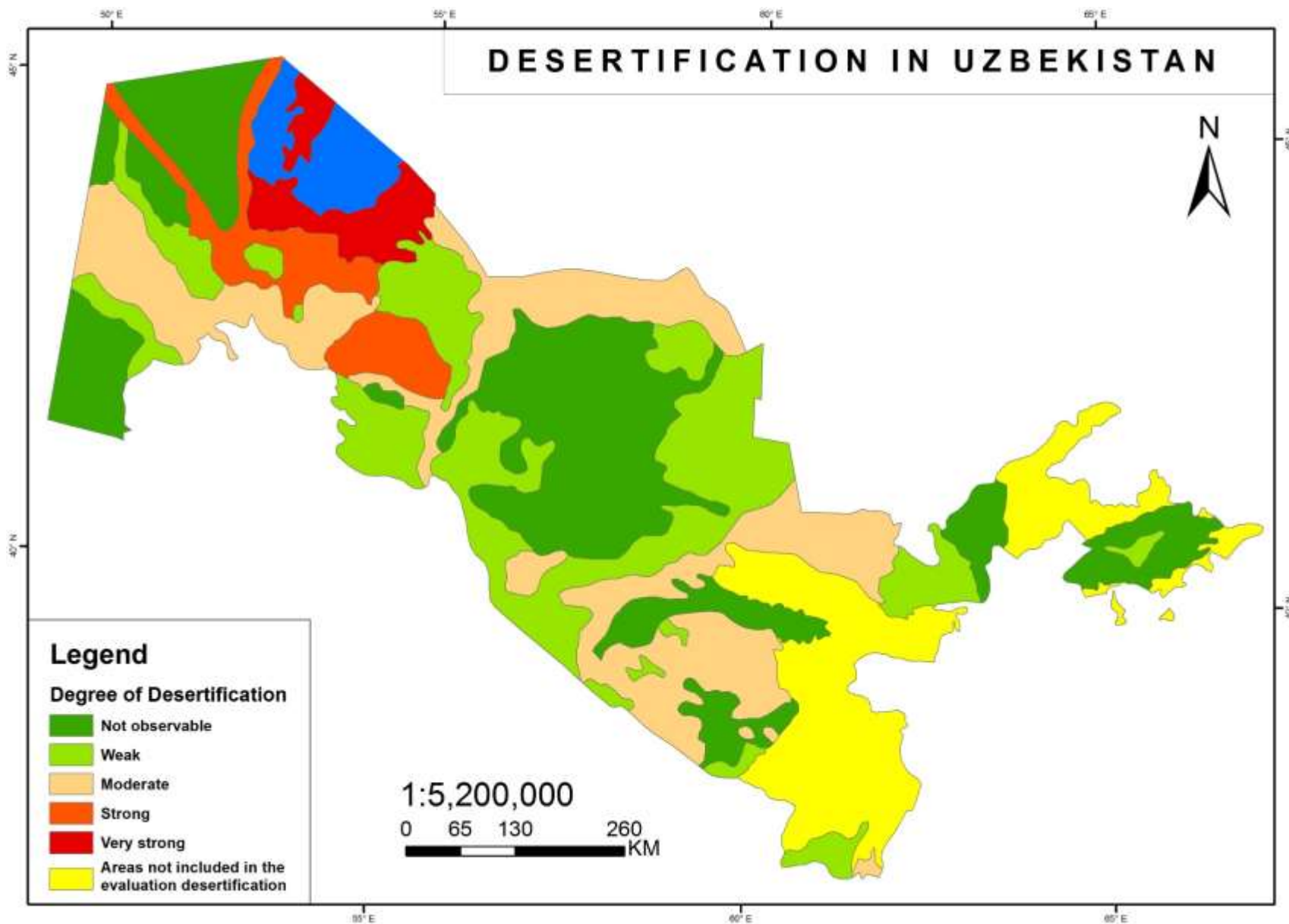
Source: Vukovic et.al. 2019

2.1. SAND AND DUST STORM DAYS



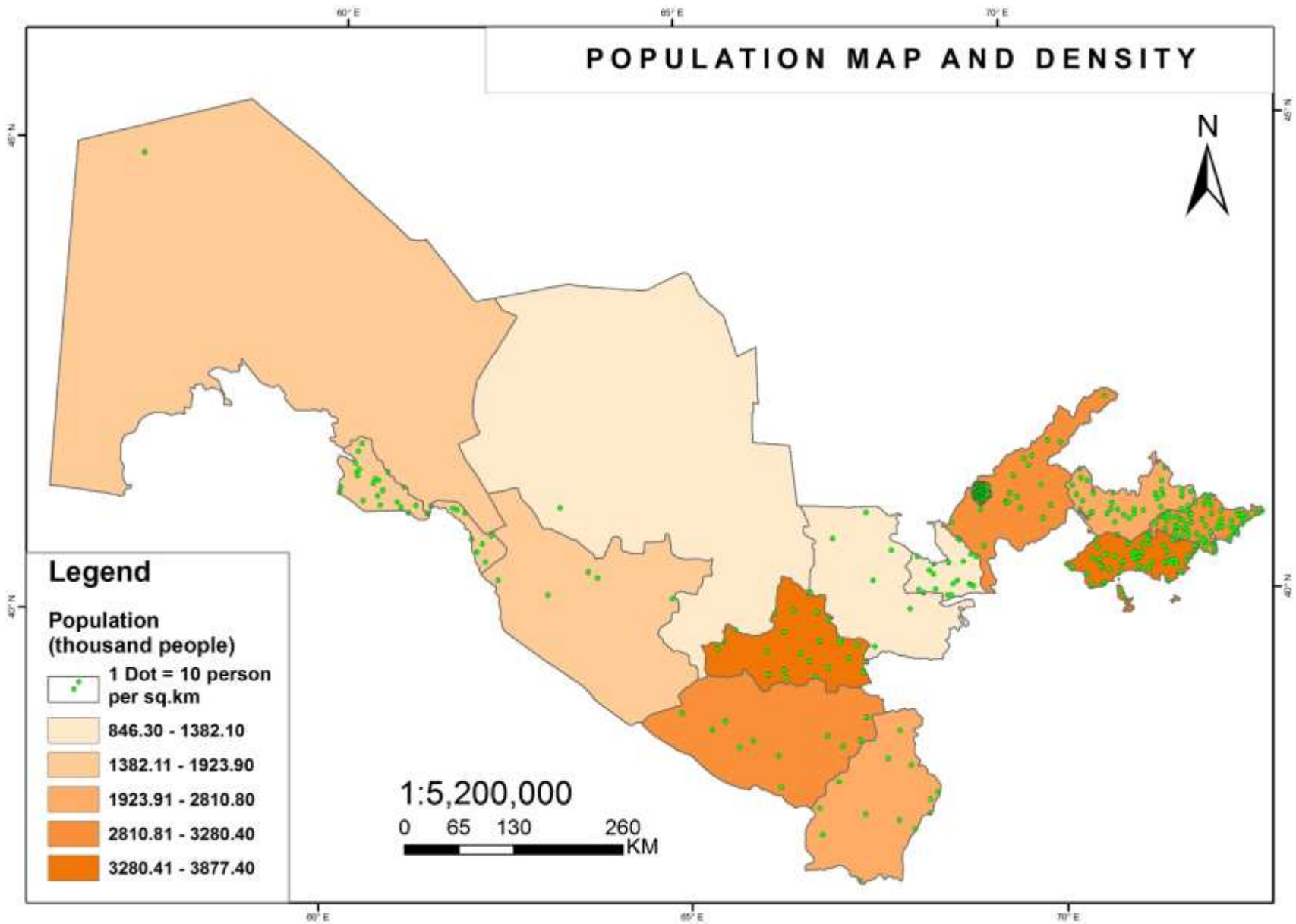
Source: Uzhydromet

2.2. DESERTIFICATION DEGREE



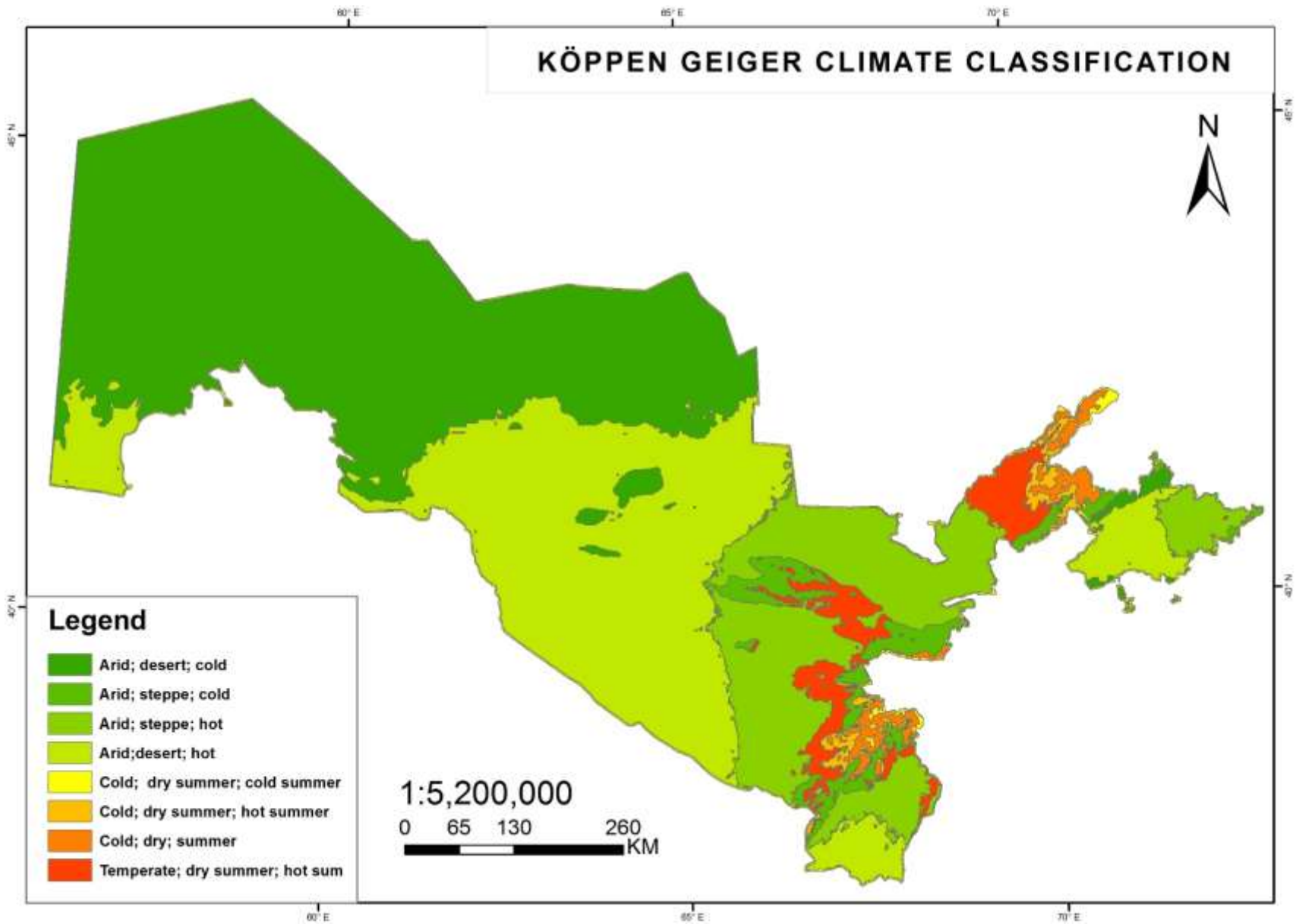
Source: Opp et.al. 2004

3. POPULATION



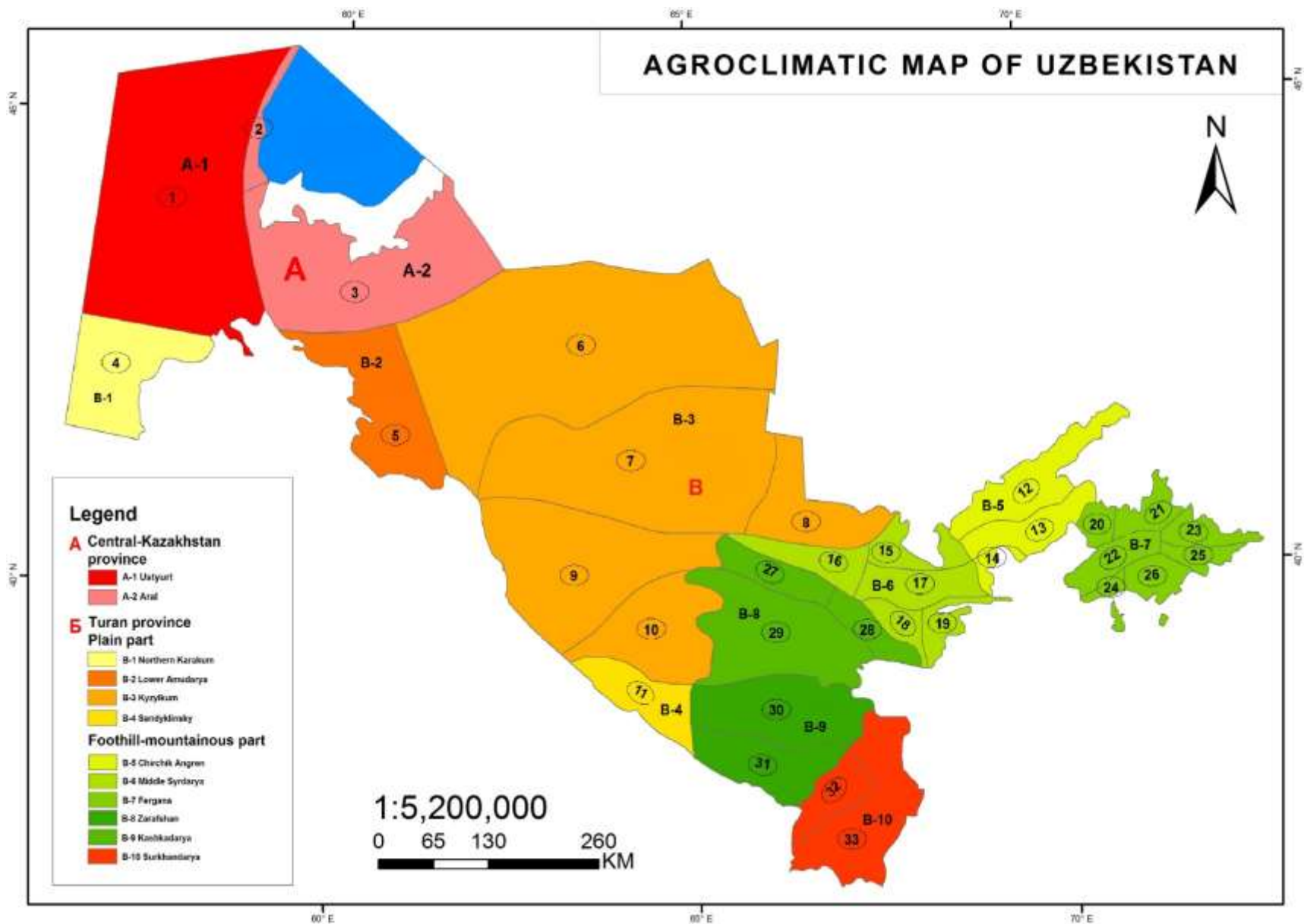
Source: UzStat, 2020

4. CLIMATE



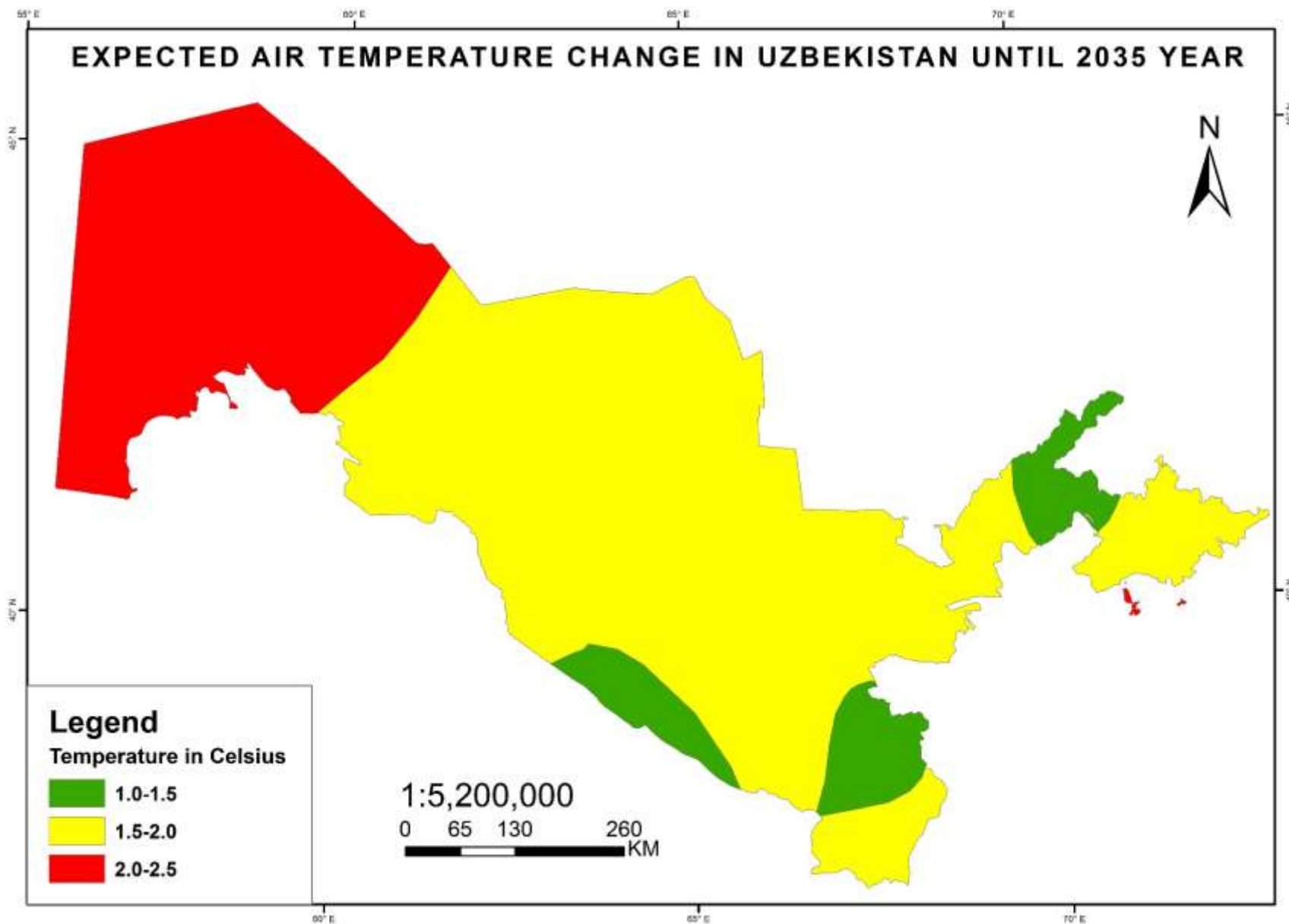
Source: Beck et al., 2018

4.1. AGROCLIMATIC MAP



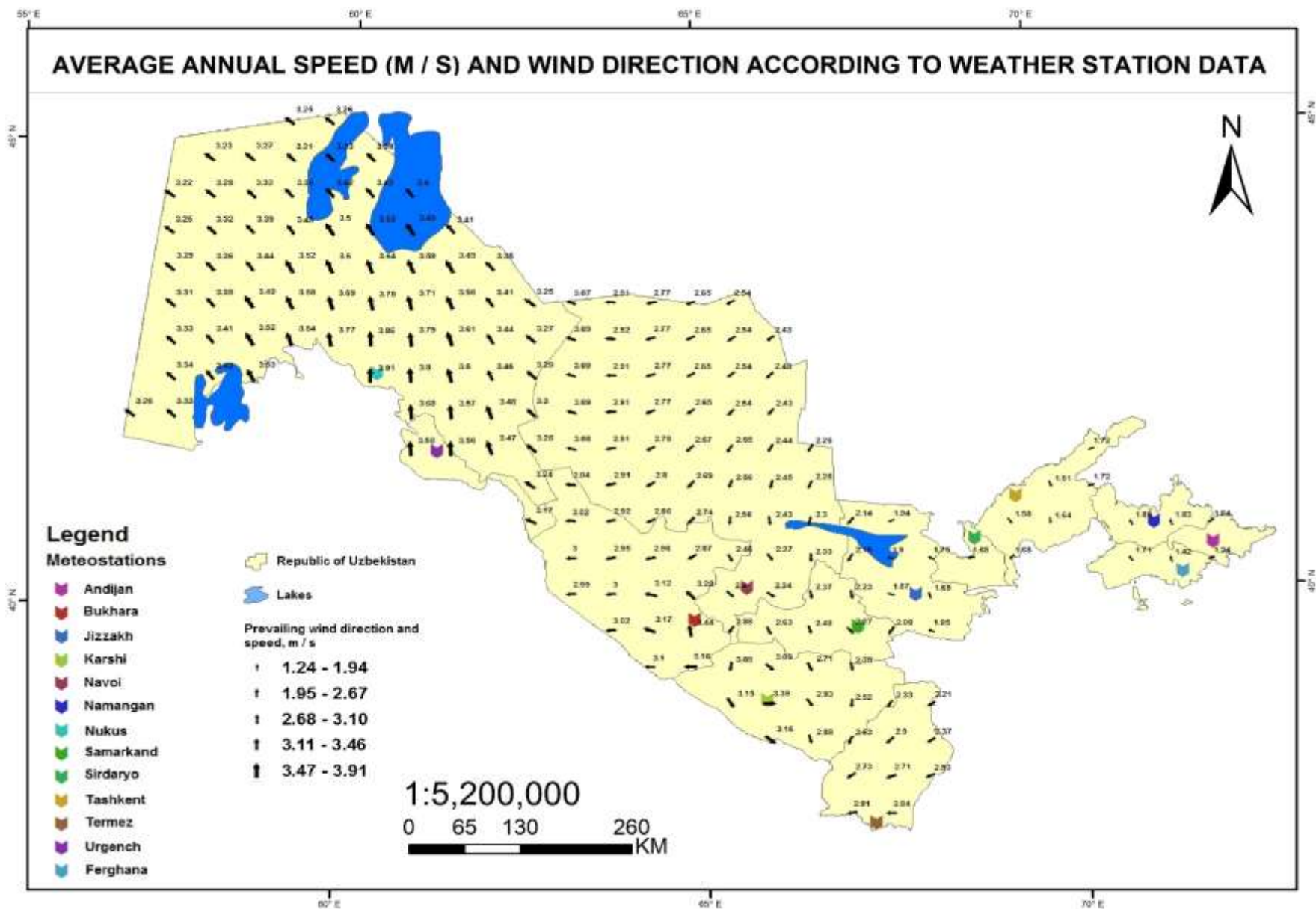
Source: Uzhydromet

4.2. TEMPERATURE CHANGE



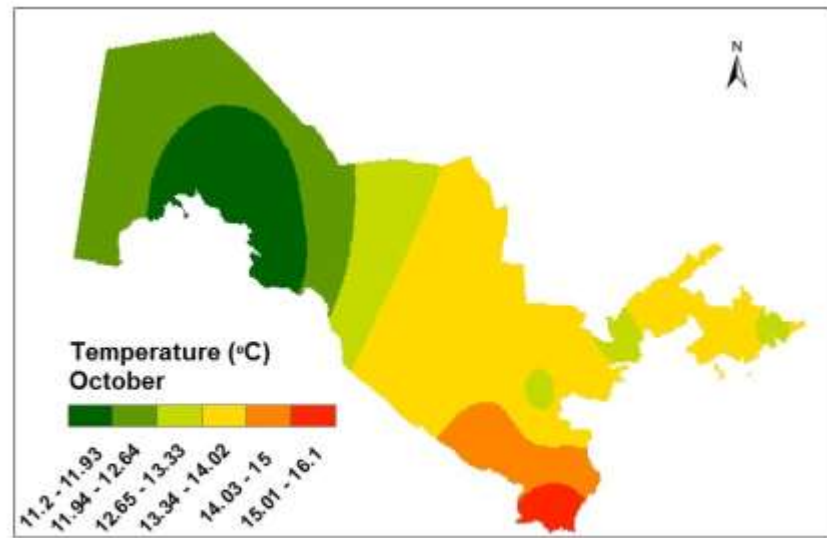
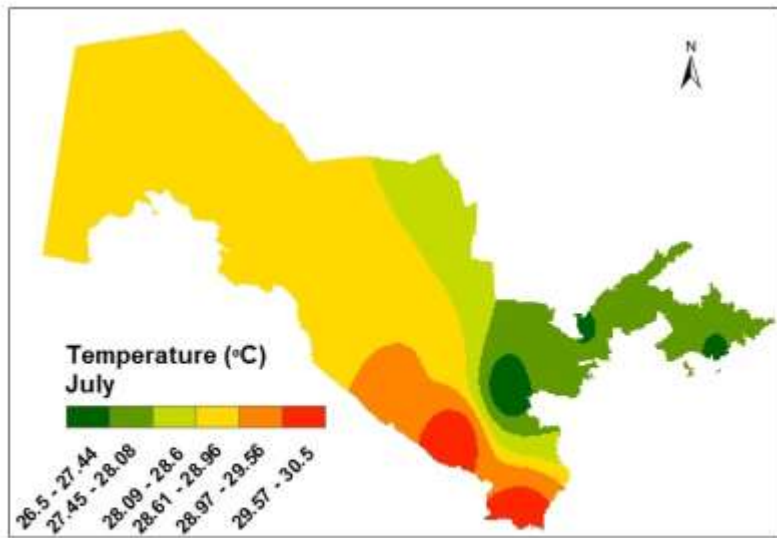
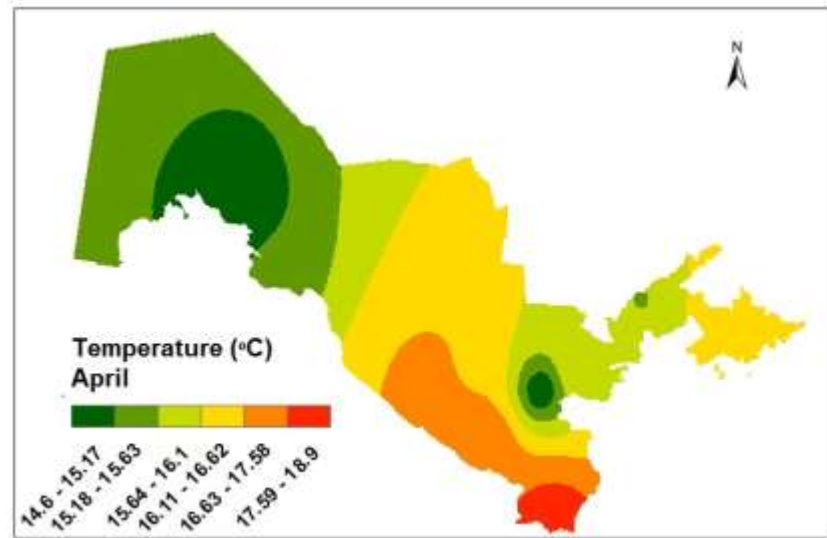
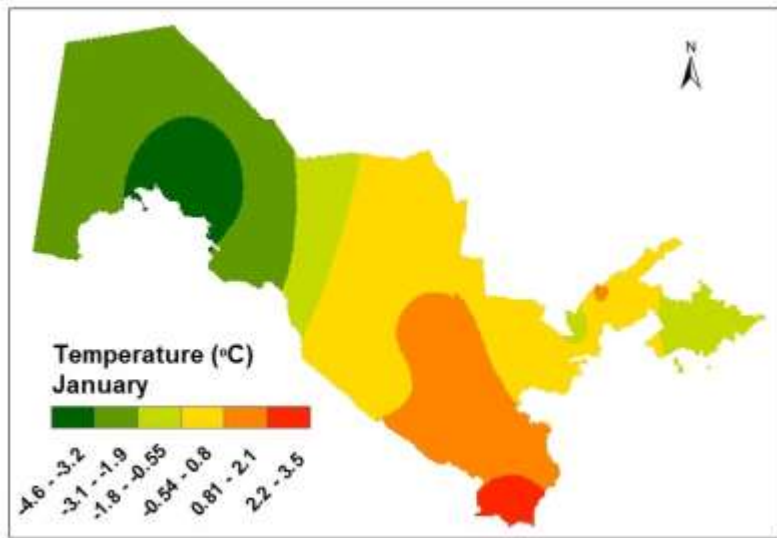
Source: Uzhydromet

4.3. LONG-TERM AVERAGE OF WIND SPEED AND DIRECTION 1999-2019



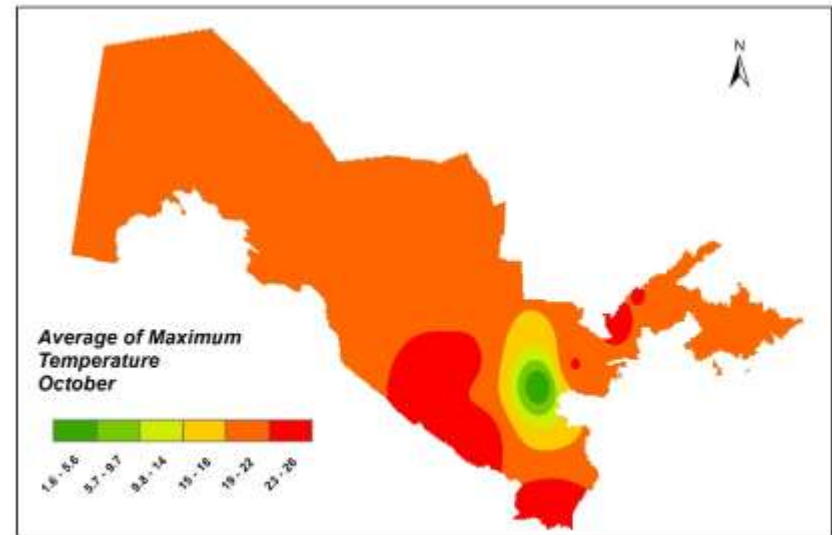
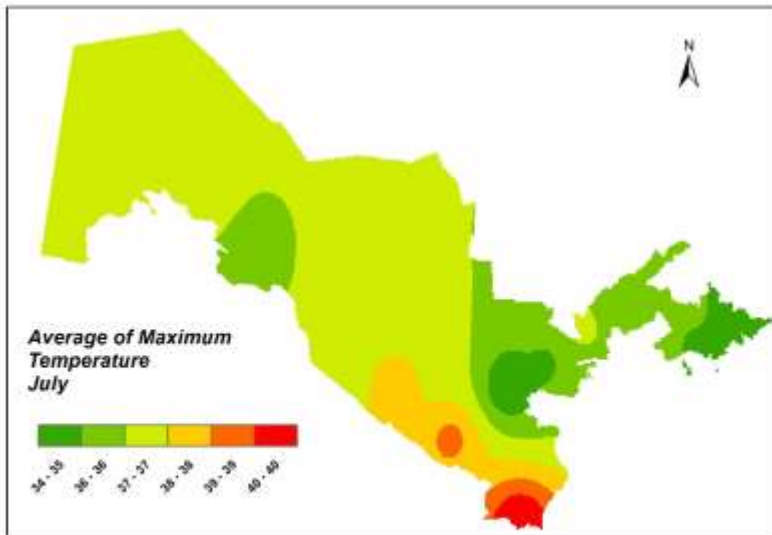
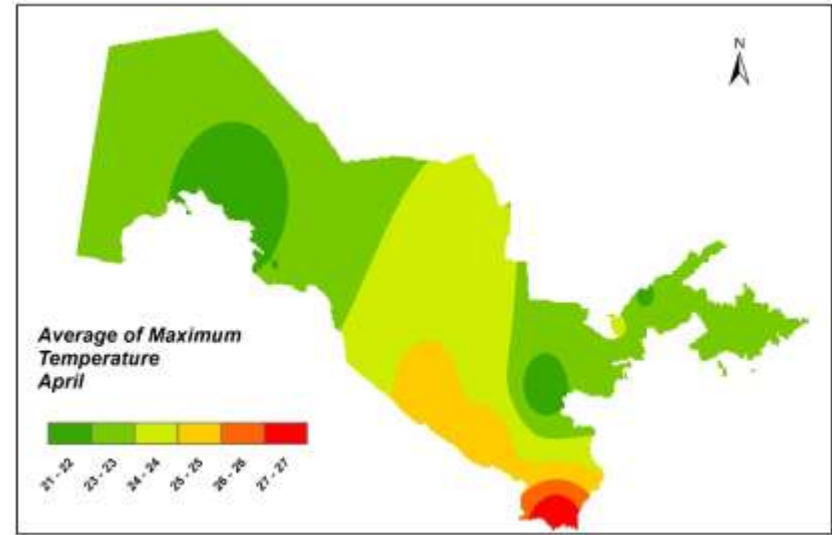
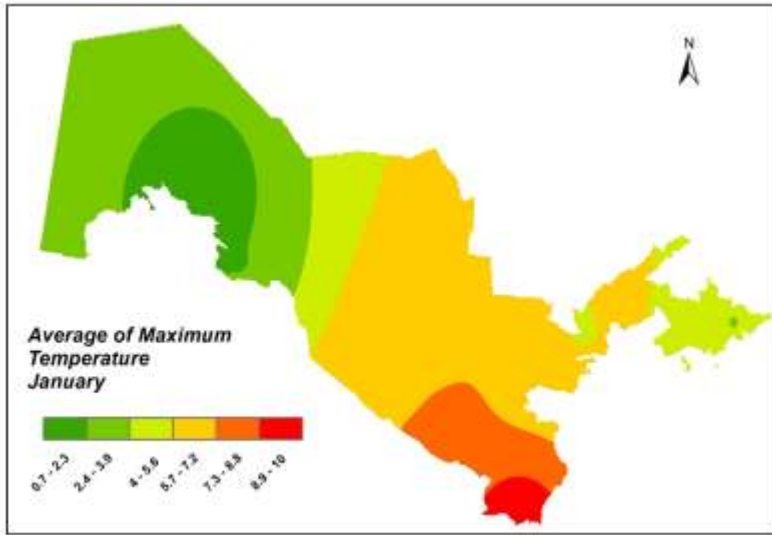
4.4. LONG-TERM AVERAGE OF TEMPERATURE 1999-2019

Source: Uzhydromet



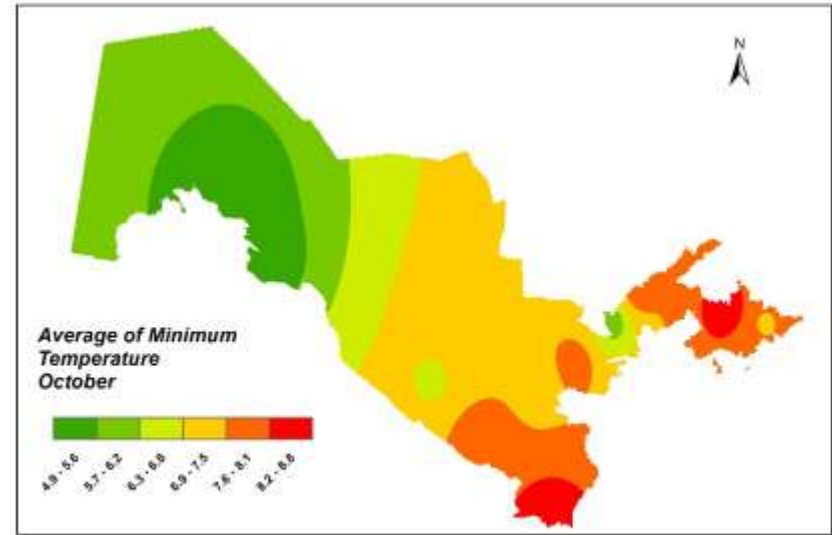
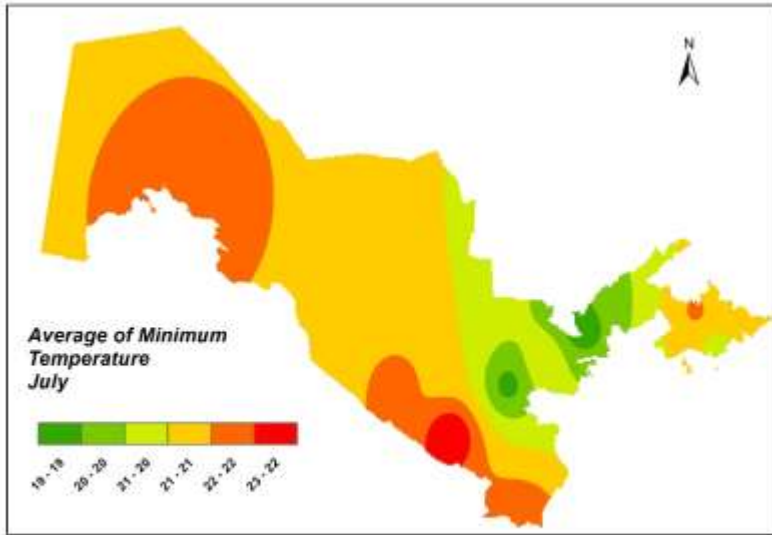
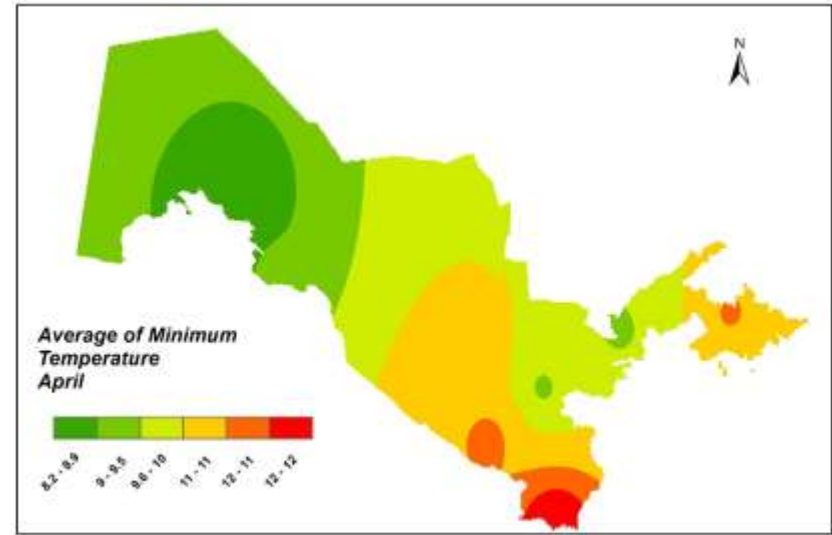
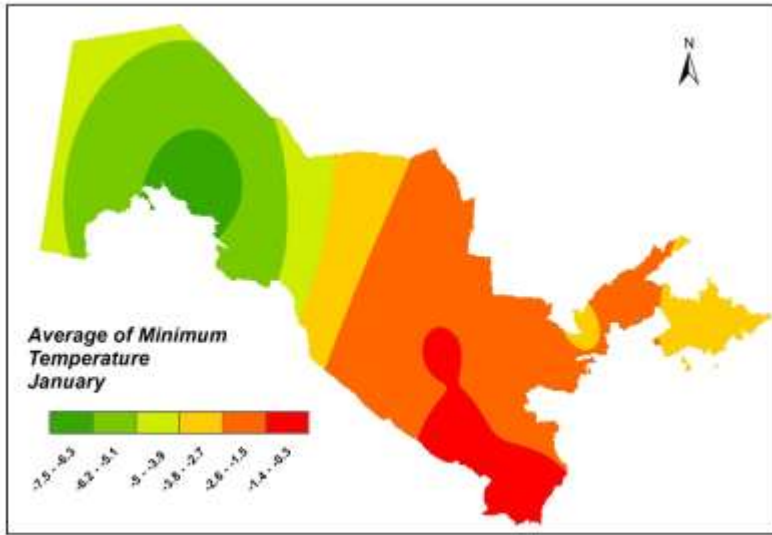
4.5. AVERAGE OF MONTHLY MAXIMUM TEMPERATURE

Source: Uzhydromet



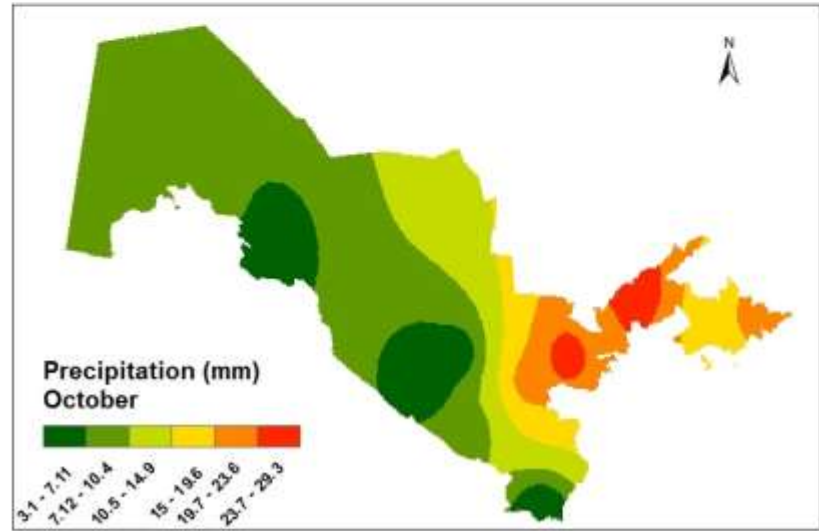
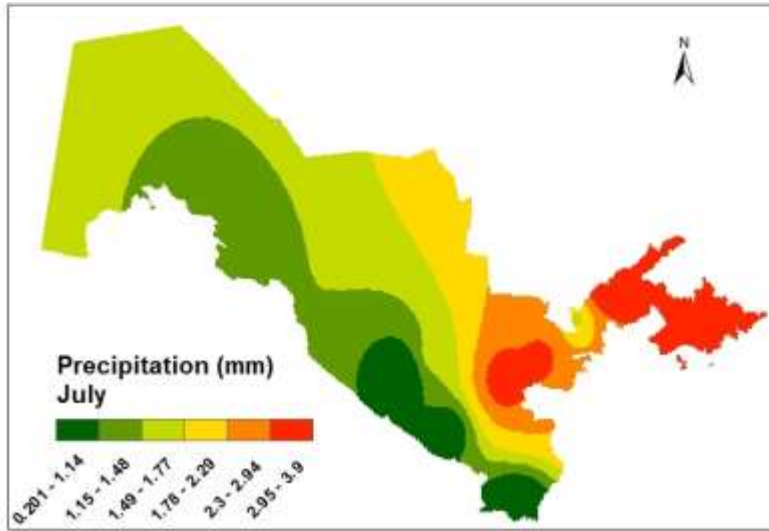
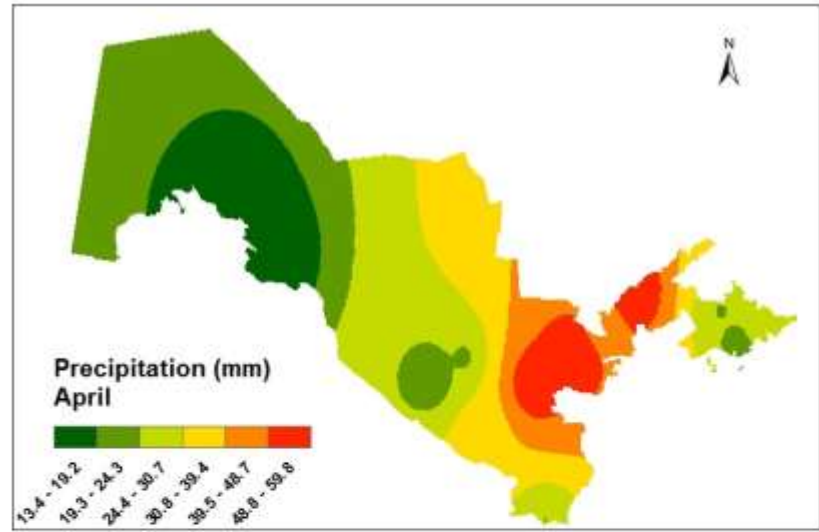
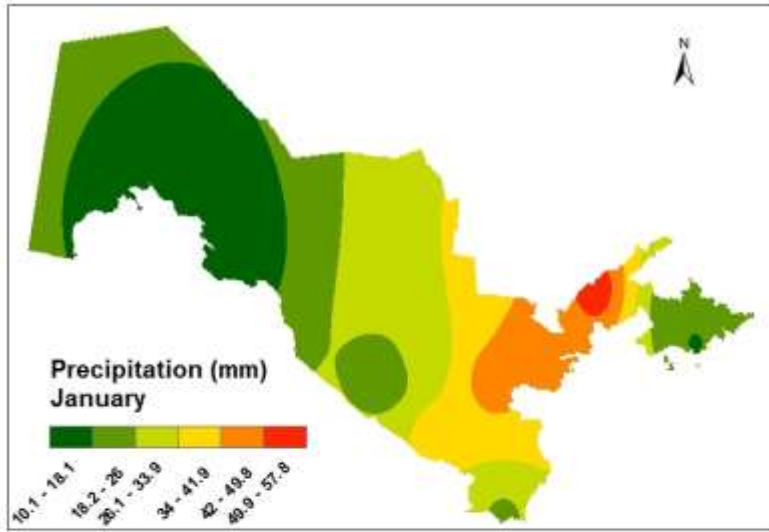
4.6. AVERAGE OF MONTHLY MINIMUM TEMPERATURE

Source: Uzhydromet



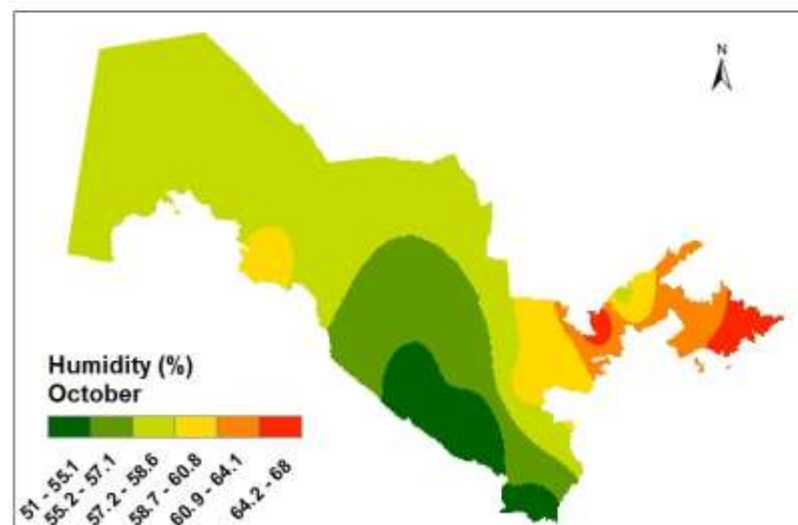
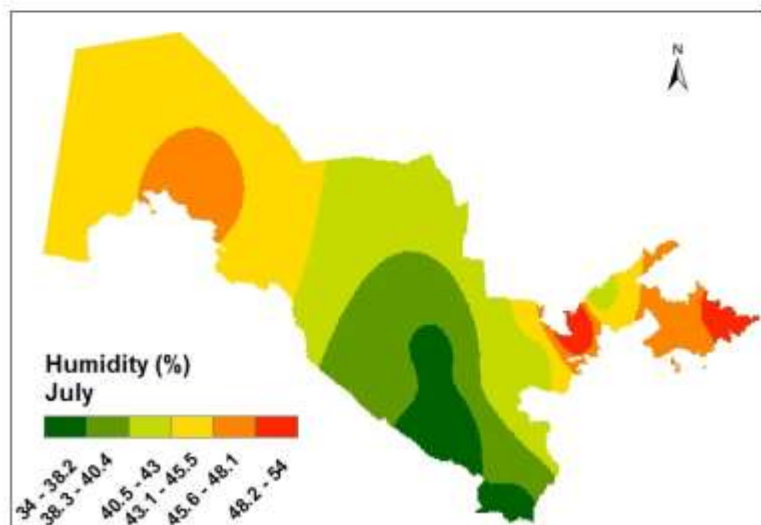
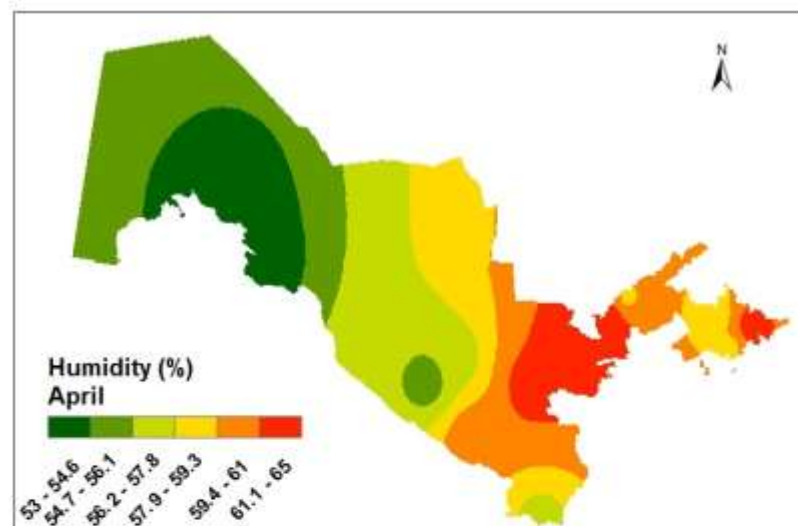
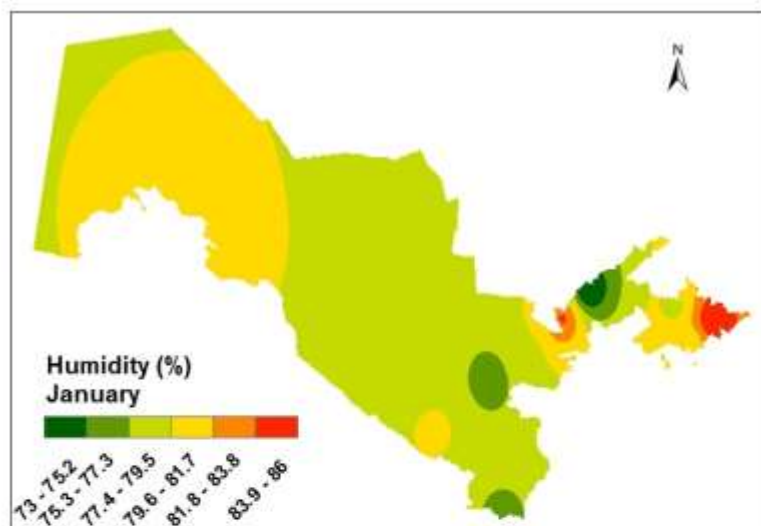
4.7. LONG-TERM AVERAGE OF PRECIPITATION 1999-2019

Source: Uzhydromet

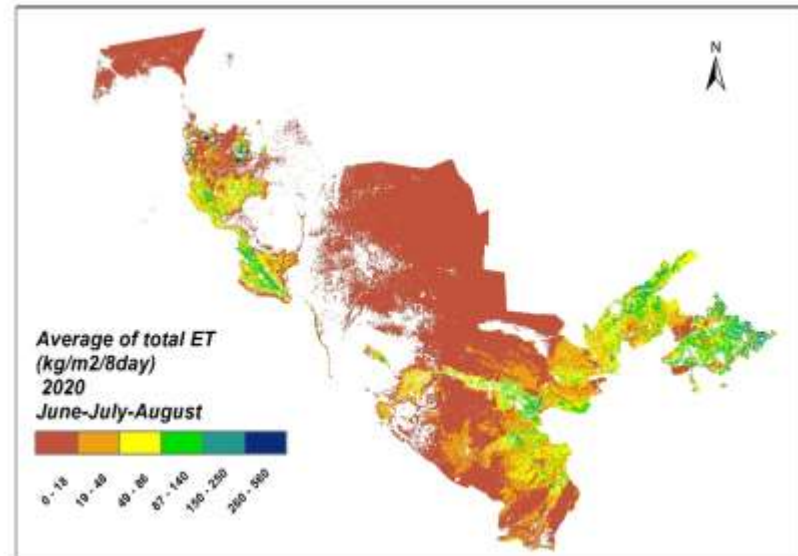
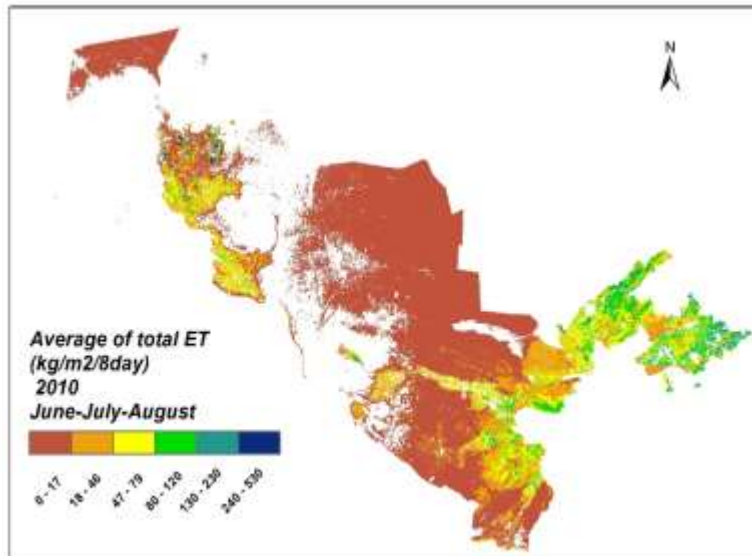
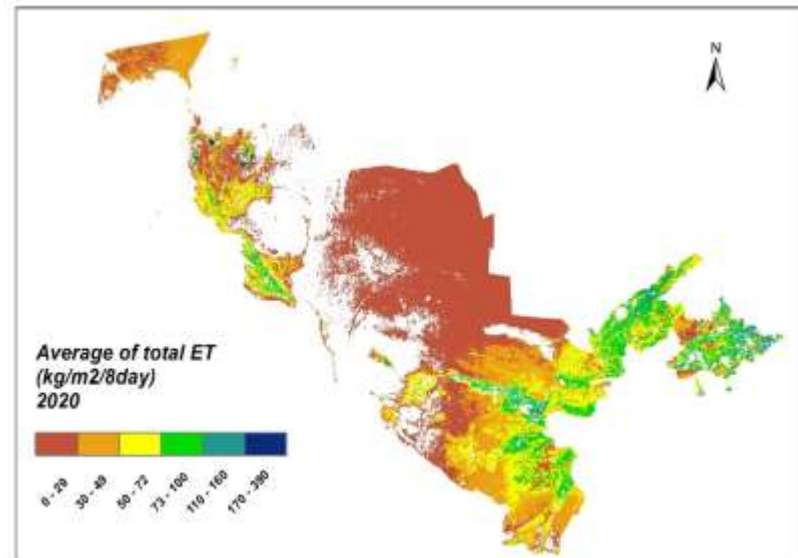
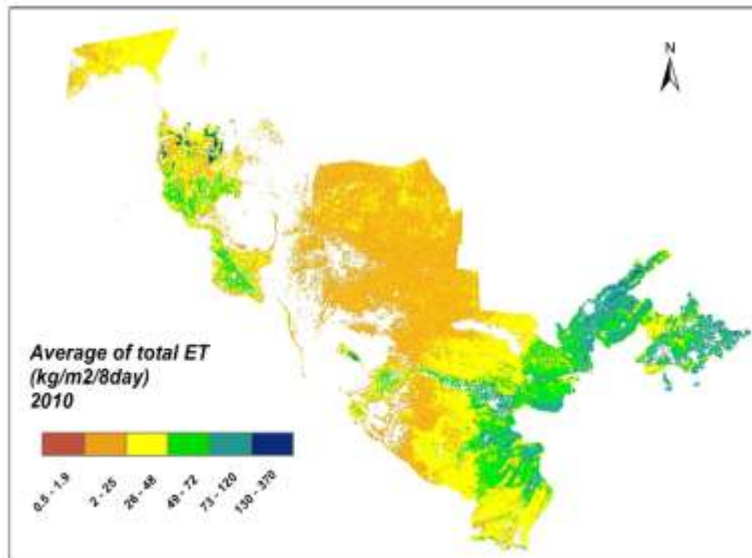


4.8. LONG-TERM AVERAGE OF HUMIDITY 1999-2019

Source: Uzhydromet



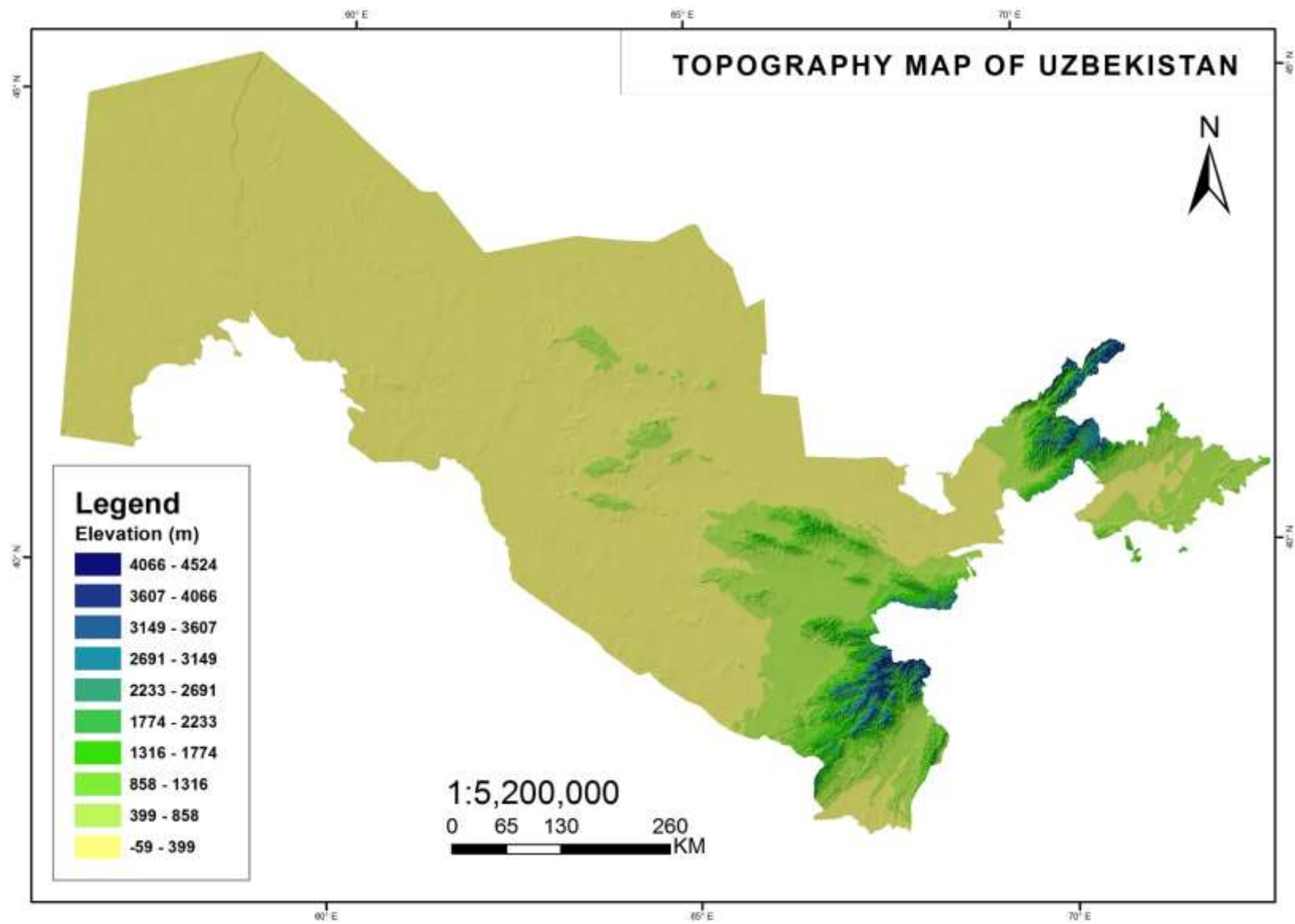
4.9. AVERAGE OF TOTAL EVAPOTRANSPIRATION FOR 2010, 2020 AND SUMMER SEASONS FROM MODIS DATA'S Source: Uzhydromet



Source: MODIS Data

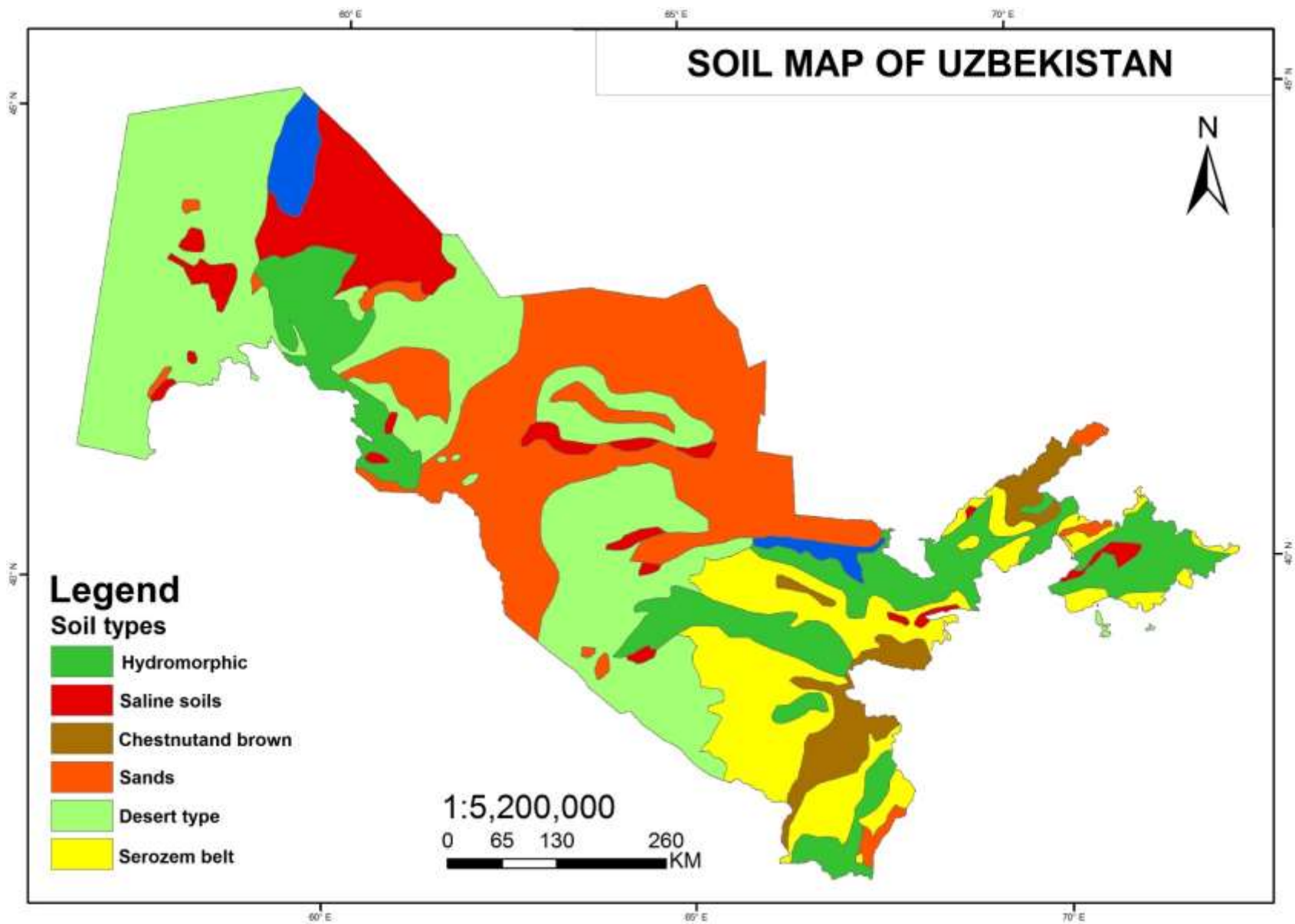
5. LAND RESOURCES

5.1. TOPOGRAPHY



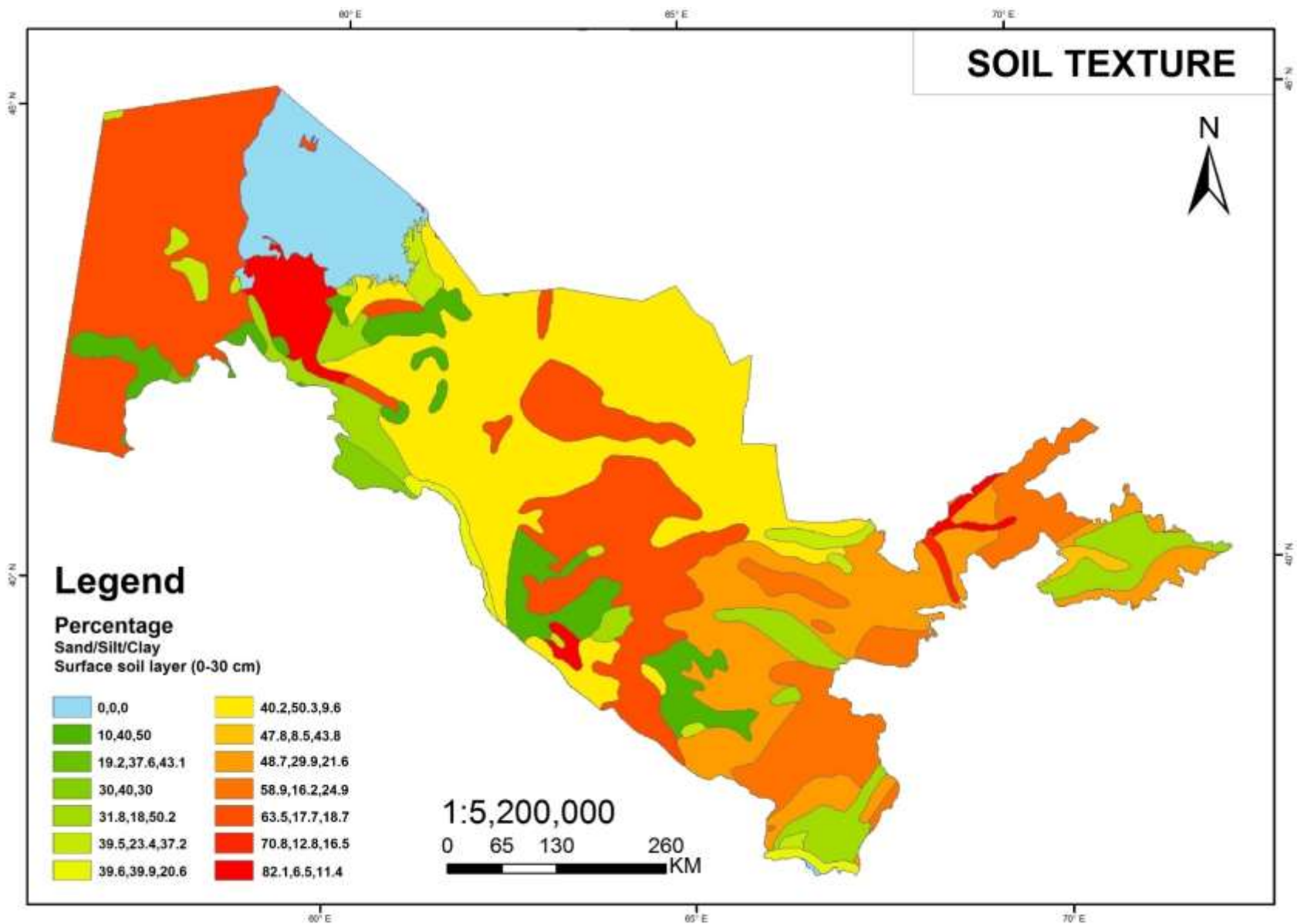
Source: ASTER Global Digital Elevation Map

5.2. SOIL MAP



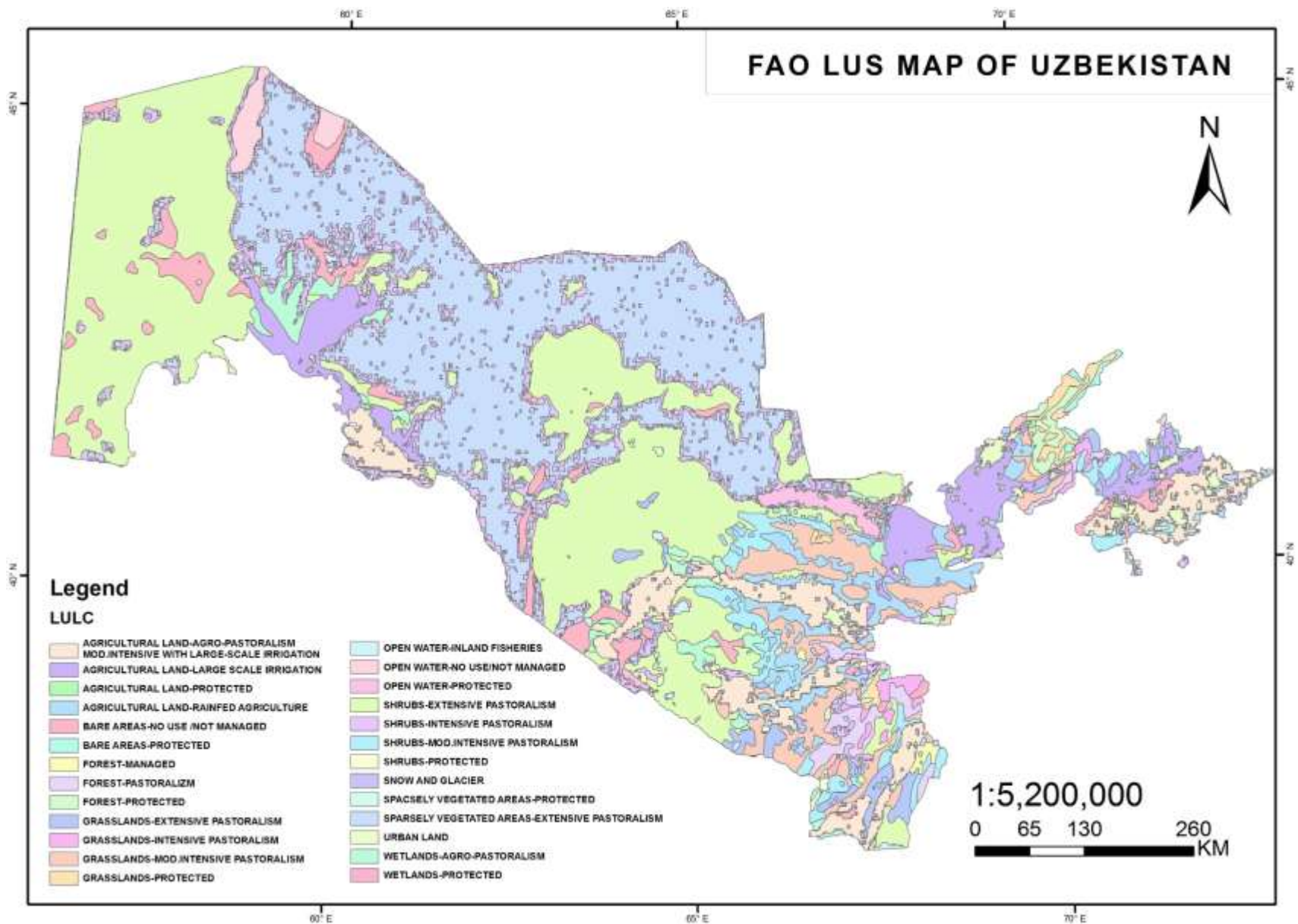
Source: Talipov et.al.,1992

5.3. SOIL TEXTURE



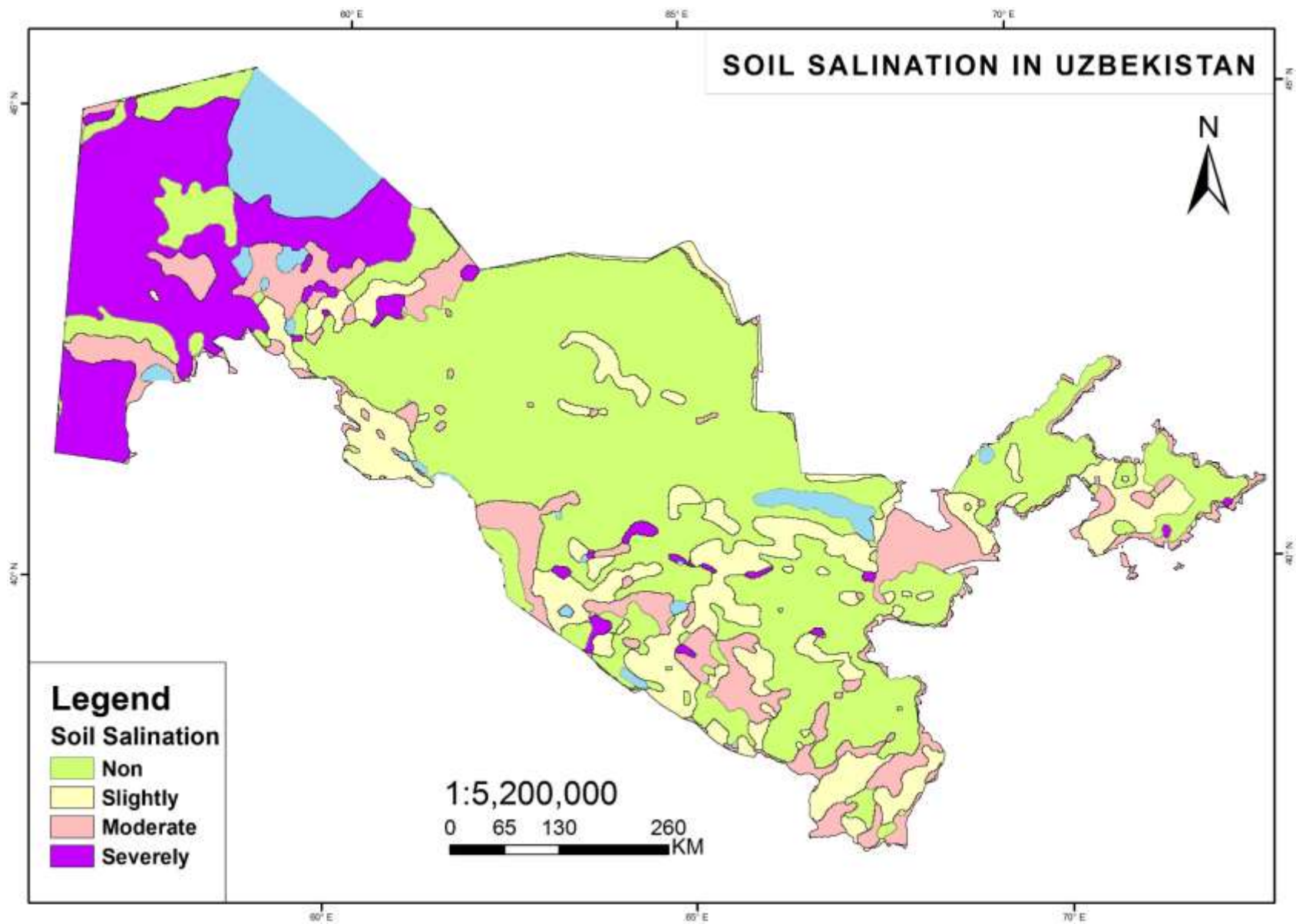
Source: FAO

5.4. FAO LAND USE MAP OF UZBEKISTAN



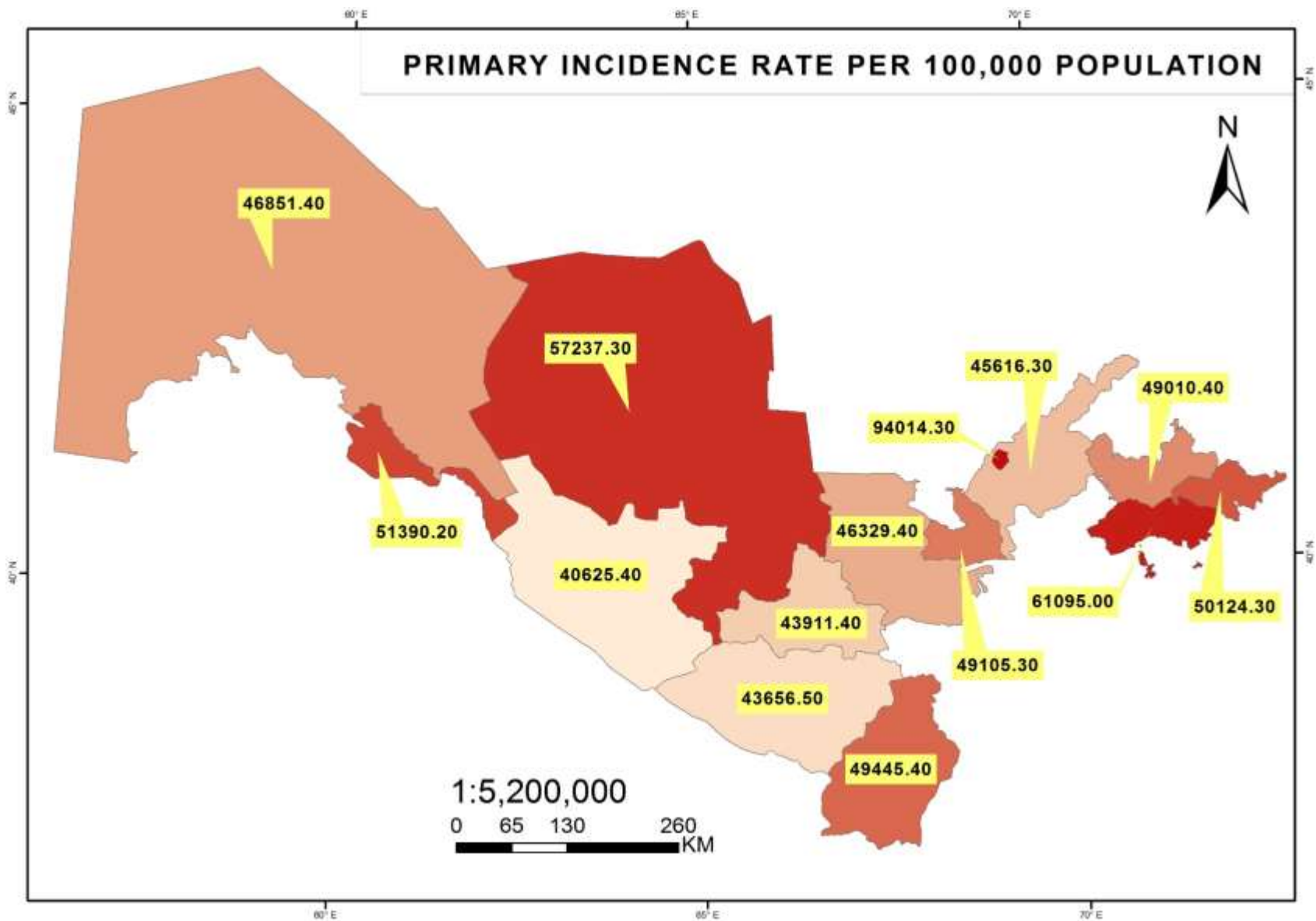
Source: FAO

5.5. Land Degradation. Degree of Soil Salination



Source: UzGIP 2003

6. HEALTH



Source: www.minzdrav.uz/