

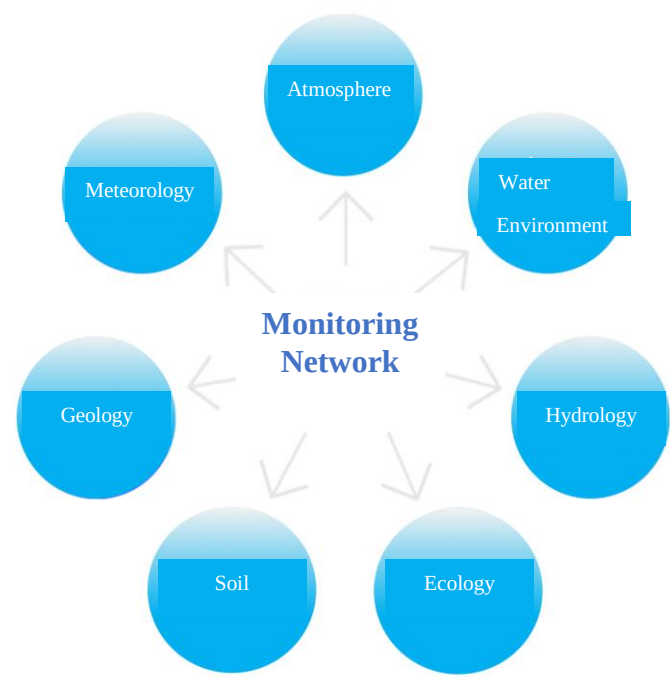
Changdu Ecological Monitoring Station

Changdu ecological monitoring station is located in Leiwuqi County, Changdu city. Based on the eastern Tibet area and facing the whole Tibet, it carries out routine monitoring and scientific research to serve the construction of the important national ecological security barrier, sustainable development of Tibet and major basic theoretical and technological research. Changdu station covers an area of 630.6 mu, including scientific research and living camp (covering an area of 6 mu), field observation and experimental field, 7 auxiliary observation points, nested enhanced observation basin and a remote data receiving center. It has 66 sets of advanced monitoring and scientific research instruments and equipment.



Overview of Changdu Ecological Monitoring Station

Changdu ecological monitoring station is equipped with multiple sets of ecological environment monitoring equipment, which can cooperate with other nodes of the ecological monitoring network of the autonomous region to complete multi-dimensional ecological monitoring of the Tibet Autonomous Region. The monitoring indicators include natural conditions and human activities monitoring, grassland ecological monitoring, forest ecological monitoring, wetland ecological monitoring, glacier monitoring, etc., which can provide data and technical support for the scientific management of the ecological environment and the construction of ecological security barriers in the autonomous region. The monitoring takes a comprehensive coverage of the atmosphere, water environment, hydrology, ecology, soil, changes in geological conditions and meteorology, including multi-scale and all-round monitoring of temperature, precipitation, radiation, relative humidity, wind direction and speed, soil temperature, soil moisture, vegetation root growth, leaf photosynthesis, frozen soil changes, soil respiration, greenhouse gas emissions, and river runoff, etc.



Changdu Monitoring Network



Field Observations of Greenhouse Gases