

Category	Data	Data source	Spatial Resolution
Topography	Digital elevation model (DEM)	Shuttle Radar Topography Mission	90 m
Land use	Land use map	AFRICOVER (http://www.un-spider.org/links-and-resources/data-sources/land-cover-kenya-africover-fao , last access: 23 December 2017)	1 : 200 000
Soils	Digital map of the soils and soil properties	FAO Harmonized Soil Maps (http://www.fao.org/soils-portal/soil-survey/soil-maps-and-databases/harmonized-world-soil-database-v12/en/ , last access: 23 December 2017)	30 arcsec
Climate	Rainfall, temperature, relative humidity, solar radiation, wind speed	The National Centers for Environmental Prediction (NCEP) Climate Forecast System Reanalysis (CFSR) (http://rda.ucar.edu/pub/cfsr.html , last access: 23 December 2017)	27 × 27 km
Hydrology	River discharge from 4 flow gauging stations	The Water Resource Management Agency (WRMA), Kenya	