

Key term	Definition
Moisture recycling	The process of evaporation arising from the surface of the Earth traveling through the atmosphere and returning elsewhere as precipitation.
Precipitationshed	An area B that is upwind of region A, that provides evaporation for A's precipitation. The extent of precipitationshed is determined by the area that contributes moisture (source region) to a selected region (sink region).
Source region	The source of evaporation (in a moisture-recycling context).
Sink region	The sink of precipitation (in a moisture-recycling context). A user-selected region for which the source of precipitation is tracked and determined.
Complex adaptive systems	A system with many parts that interact to produce system-wide behavior that cannot easily be explained in terms of interactions between the individual constituent elements.
Social dynamics	Social drivers, feedbacks, interactions, or other social features of a complex adaptive system.
social-ecological systems (SESs)	A system in which humans and nature are intertwined and system dynamics include both biophysical and social feedbacks.
MRSES	Moisture-recycling social-ecological system. A framework for considering social, ecological, and moisture-recycling feedbacks.
Tele-connection	A connection between bio- or geophysical processes that are separated by space or space and time.
Tele-coupling	A connection among social processes that are separated by time, space, or both.
Socio-hydrology	The emerging scientific discipline that jointly considers hydrological and social dynamics.