

Conveners:

Wyżga B., *Institute of Nature Conservation, Polish Academy of Science, Kraków; Poland*

Zawiejska J., *Institute of Geography, Pedagogical University of Kraków; Poland*

Małek S., *Department of Forest Ecology, University of Agriculture in Kraków; Poland*

Title:

Carpathian waters: from knowledge to management

Session description:

Mountain areas are particularly abundant in water, which they deliver to surrounding lowland areas. Large spatial and temporal variability of environmental conditions and high energy gradients make mountain water bodies highly diverse but also are very sensitive to external disturbances. The session focuses on mountain hydrosphere (at any spatial scale) and its interactions with lithosphere, atmosphere, biosphere and anthroposphere. We thus welcome contributions concerning surface – i.e. springs, rivers and lakes – and ground water bodies, effects of environmental (e.g. climatic) and human impacts on their state and functioning and interactions between water in mountain ecosystems and biosphere. The objective of the session is to provide the scientific background for water management policy, which will increase the availability and quality of water resources and minimize threats for humans such as floods or droughts with the simultaneous improvement of integrity of aquatic and water-related ecosystems. Contributions on water management and ecosystems services provided by mountain waters are also welcome.