

CUAHSI Catchment Seminar Series:

Research and observatory catchments: the legacy and the future

Wednesdays, 1300 EST, 10 Feb through 31 March, 2021

Week 1, Feb. 10. Introduction to series.

- Catchment studies: history, scientific and societal relevance, links to management and policy, maintaining funding.
- Present the global research catchment map.
- Introduce the themes of this seminar series.
- Diverse perspectives (8-10 minutes) on the value of catchment monitoring and science.
- Discuss the agenda that culminates in a discussion during week 8 of ways to engage, collaborate, and synthesize among sites.

Week 2, Feb. 17. Hydrologic budgets and hydrologic change.

- Hydrology as a unifying principle of catchment studies.
- Cascading effects of climate-induced hydrologic change.

Week 3, Feb. 24. Alpine, boreal, and arctic catchments

Week 4, Mar. 3. Seasonally snow-covered temperate catchments

Week 5, Mar 10. Low/no snow temperate to tropical catchments

Week 6, Mar 17. Forest management / environmental disturbance. Harvest and afforestation – what have we learned?

Week 7, Mar. 24. Agricultural and urban catchments

Week 8, Mar. 31. Facilitated discussion, no scheduled talks. Review ideas and discussion themes submitted throughout the series. Working session on how to synthesize across sites to maximize the value and impact of catchment research. Identify next steps.