

## Session H04 “Information Infrastructure, Soft Computing and Knowledge Discovery Methods for Monitoring, Modeling and Data Management in Hydrology” session description

### Abstract - Unifying Diverse Watershed Data to Enable Analysis

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The wide variety of agencies collecting, storing, and publishing hydrologic data today makes it possible for scientists to gather a tremendous amount of data about a watershed simply by using the Internet. However, availability of the data is only the first step to its use in analysis. Typically the data sets that exist across a watershed are highly heterogeneous in data format, units, types, periods of measurement, frequency of measurements, quality, etc. In this presentation we will describe the Scientific Data Server we have designed to enable the combination of data from across a watershed into a database organized using a unifying schema. This data server has been prototyped using data from the Russian River and Bear River watersheds and is currently being used to study the hydrology and characteristics of the Russian River.

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