



## **Stream temperature and stage monitoring using fisherman looking for fish.**

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Fly Fishing is a popular pastime in large parts of the world. Two key facts that fly fisherman need to know to find the ideal fishing spot is water depth and water temperature. These are also two parameters of interest to hydrologist, especially those interested in the hyporheic zone. We present a device that serves both fisherman and hydrologists: sensor-waders. A classic pair of waders is equipped with temperature and water height sensors. Measurement values are communicated to an app on the smartphone of the fisherman. This app provides the fisherman with real time information on local conditions. By using the geolocation of the smartphone, the measurement values are also send to a remote server for use in hydrological research. We will present a first proof of concept of the sensor-waders.