Dr. Wim Bastiaanssen will discuss using remote sensing data to analyze important water management problems and drive agricultural decision-making. The talk is free and open to the public.

Dr. Bastiaanssen is an expert in earth observation technologies for land and atmospheric processes, with a specialization in river basin management and agricultural water management. He has extensive experience in irrigation systems hydrology at field and regional scales. His interests is in computing intelligent pixels, and using that spatial information to diagnose water resources management situations where data is limited. He developed the Surface Energy Balance Algorithm for Land (SEBAL), an image-processing model that maps evapotranspiration, biomass growth, water deficit and soil moisture.

As UNESCO-IHE’s Global Water Accounting Chair, he oversees an international, standardized reporting system for gauged, poorly gauged and ungauged basins. He is founder of Water Accounting Plus and WaterWatch BV, and co-founder of SEBAL North America and eLEAF. His work with Water Accounting Plus provided the International Water Management Institute with an analytical framework to describe water flows, fluxes, consumptive use and services, and water resources reporting.