



Mobile Water Management

### MOBILE MONITORING SOLUTIONS FOR EFFICIENT WATER USE

#### SERVICES

- (Ground) Water level reading
- Flow meter reading
- Participatory water management
- Calibrate sensors
- Ground truth satellite data

#### DIGITIZE FIELD DATA

Present-day agricultural practices and drinking water utilities are facing significant challenges; climate change and population growth are threatening food security and require smart monitoring and use of vulnerable water resources.

By combining smart observations, advanced modelling methods and local human intelligence we can contribute to increased water efficiency and productivity.



# WATER INFORMATION SERVICES

**Smartphones as an intelligent monitoring device.**

**Mobile Water Management (MWM) is driving the complete digitisation of field measurements and control operations in various sectors: utilities, water/flood/irrigation management, research, engineering.**

**We achieve this by making use of rapidly expanding mobile networks and low-cost investments in infrastructure.**



### **Phetchaburi river basin (Thailand) 2018**

Optimizing irrigation using software that continuously monitors staff gauges using locally available webcams. An application was created to monitor tidal movements to predict saltwater intrusion and respond effectively.

### **Water Utility FIPAG (Mozambique) 2018**

Higher quality of field data reduces non-revenue water for water utilities. Smartphones are used by the national water operator to collect water consumption data and reduce operational costs of meter readers. In addition, the demand and infrastructure can be assessed with collected data.

### **Farming Tongaat-Hulett (Mozambique) 2018**

Improve water efficiency of sugar cane multinational using smartphone monitoring and control combined with advanced remote sensing technologies.

### **Mobile Water Management**

Our applications are currently being used by water boards, farms and drinking water utilities to monitor water levels, gate positions and water meters.

MWM combines its expertise in mobile app development and monitoring algorithms to empower users in the field and make them more productive.

## **NL-FSA**

The NL-Food Security Alliance (NL-FSA) is a network of mainly Dutch companies and institutions developing exclusive and sustainable solutions in the agri-water-food-business.

NL-FSA is a Royal Eijkelkamp initiative



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