

CIRDA Meteorology & Hydrology Support
LTA Hydrology

Dr. Joost Hoedjes
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LTA Hydrological Equipment:

- **Surface and Ground Water Level and Quality Monitoring Stations**

- Water levels

- Water quality parameters:

- Temperature

- Turbidity

- Conductivity

- Reduction Potential

- PH

- Dissolved Oxygen

- Auxiliary weather sensors:

- Temperature

- Rainfall

- Relative Humidity

- Windspeed & Direction

- **River gauging equipment (ADCP)**

LTA Hydrological Equipment:

Key characteristics SWLQMS and GWLQMS

- Robust
- O&M friendly

Innovative network

- 25% of sensors replaced by innovative methods
- Aim to reduce O&M cost, but retain at least 95% of accuracy

Additional services

- Training
- Maintenance contracts

LTA Hydrological Software:

- Satellite altimetry for river level monitoring – virtual stations
- Satellite soil moisture/evapotranspiration monitoring
- Water resources allocation planning
- Flood advisories and early warnings
- Drought monitoring and forecasting

LTA Hydrological Software:



Marie-Christine GERMAIN

Isabelle HUBICHE