




The EU support project included Activities to both develop a system for AEH monitoring for **ORASECOM**, as well as to pilot this system



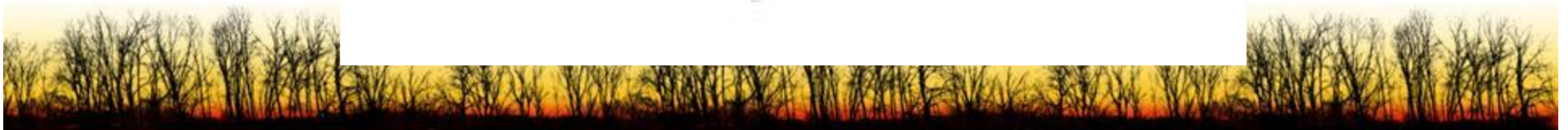
Key recommendations

-  Routine monitoring should be based on benthic macro-invertebrates only.
-  A once off detailed monitoring of all aspects of AEH would be required to set baseline conditions.
-  More detailed monitoring of other components of AEH would be required every 5 years.



The road to this workshop

- **This baseline AEH monitoring survey will be tendered**
- **An advert was placed on the SASAqS Newsletter asking for interest.**
- **4 Companies / Groups have expressed interest.**
 - **Ground Truth Water Quality and Biomonitoring Services**
 - **Koekemoer Aquatic Services**
 - **Scherman Colloty and Associates (SCA)**
 - **Strategic Environmental Focus**



The assignment requires...









The application of the following monitoring protocols;

- **SASS5.**
- **Fish biodiversity using the FRAI (includes fish tissue samples for POPs and metals analyses).**
- **FHAM, for sites where hydraulic data are available from the e-flows study.**
- **Periphyton or diatoms.**
- **Riparian vegetation VEGRAI**
- **Assessment of historical water quality data**
- **Habitat using the IHI**
- **Taking of water quality samples, and on site pH, DO and EC**







Second Task: - Attend a training session

-  **Refresher on the protocols to be applied.**
-  **Provided with the sampling bottles and equipment for the water quality, POPs and microbiology.**
-  **Training on the preserving of the samples for water quality and POPs.**
-  **Sampling plan is finalised – from sample to laboratory.**
-  **Provided with the Communications materials.**
-  **Should be attended by the Member State ‘champions’ – exchange of experiences.**






Third Task:- Sampling is undertaken

-  **September / October depending on the onset of the rains.**
-  **AEH teams are accompanied by Member State and Secretariat staff, who take the samples back to the designated laboratories.**
-  **At least 3 teams must be provided – Upper Orange and Lesotho, Vaal River and Botswana, Middle and Lower Orange and Namibia.**
-  **Outreach programme is managed by the Secretariat Communications Task Team and a Consultant.**



Fourth Task:- Write up of the results

-  **Preliminary results – November**
-  **Final results January / February 2011**
-  **Written up as a ‘coffee table book’ aimed at general public.**



**The key to this process is that the
consultancy teams should be
accompanied where ever possible
by staff from the Member State s.**

**Sampling could double as a
training for younger staff members**

