



## LET'S TRAIN PROFESSIONALS BETTER!

### Water quality

<b>TARGET GROUP</b>	Policy advisors, technical advisors water management, environmentalists, licensing and enforcement staff
<b>ENTRY LEVEL</b>	Bachelor degree
<b>DURATION</b>	4 days
<b>PARTICIPANTS</b>	16
<b>TRAINERS</b>	South African and/or Dutch experts, certified by AquaDactics
<b>INTRODUCTION</b>	<p>Clean water is essential for human and environmental health. The natural richness of South Africa depends on the availability of clean water. Besides the role in the natural environment and the catchments, water is used in agriculture, for water supply and industries. The availability of clean water supports entire aquatic ecosystems. But what is clean water and how does the interplay between different species, and abiotic factors work?</p> <p>You learn how the aquatic ecosystem is affected by biotic and abiotic (light, temperature, chemical composition) factors. You understand how the concentrations of pollutants influence the water ecosystem and thus water quality. The monitoring and assessment of quality will also be part of the training.</p>
<b>CONTENT</b>	<p>This course covers the following topics:</p> <ul style="list-style-type: none"> <li>• The aquatic ecosystem</li> <li>• Types of water</li> <li>• Abiotic and biotic factors of aquatic ecosystems</li> <li>• Food webs</li> <li>• Pollutants</li> <li>• Water catchment area's in South Africa</li> <li>• Monitoring and standards</li> <li>• Exotic invasive species</li> </ul>
<b>COURSE MATERIAL</b>	Course book and hand-outs of the presentations
<b>TRAINING APPROACH</b>	In addition to classroom presentations this course comprises interactive and innovative training methods, such as group work, discussions, practical exercises, field work and role-plays.
<b>EXTRA</b>	After successfully completing the modules Water Quality, Water Quantity and Integrated water management you will be awarded a diploma Integrated Water Resource Management.