

# Provisional programme

| September 19 <sup>th</sup> : Structure and operation of the OIE, the OIE list of diseases, the Aquatic Code |   |  |
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| Time  | Theme : Structure and operation of the OIE, the OIE and aquatic animal health   |  |
| 08:30 - 09:00   | Brief opening ceremony  | <p>Michael Botlhe Modisane, Chief Director<br/>Animal Production and Health (DAFF)</p> <p>Marosi Molomo, Vice-President<br/>of the OIE Regional Commission<br/>for Africa (Delegate from Lesotho)</p> <p>Ric Barnard, Dean of the<br/>Faculty of Sciences (UP)</p> |
| 09:00 - 09:20   | How do we build capacity in developing fish health services in Africa?  | Ourban Rouhani   |
| 09:20 - 09:40   | General presentation of the OIE and the rights and responsibilities of OIE focal points for aquatic animal diseases   | P. Bastiaensen   |
| 09:40 - 10:00   | Disease transmission in aquatic environments, as opposed to terrestrial animals   | Larry Hammell  |
| 10:00 - 10:30   | Morning break - Coffee/Tea  |  |
| 10:30 - 11:00   | Overview of the OIE tools pertaining to aquatic animal health management, the quality of veterinary services (VS) and aquatic animal health services(AAHS) and legislation. | P. Bastiaensen   |
| 11:00 - 11:15   | Outcomes of the OIE Global Conference on Aquatic Animal Health Programmes, held in Panama (June 2011)   | Gillian Mylrea   |
| 11:15 - 11:30   | Discussion  |  |
| Time  | Theme : The OIE Aquatic Animal Health Code : horizontal chapters  |  |
| 11:30 - 11:50   | The OIE Aquatic Animal Health Code : general overview and definitions (glossary)  | P. Bastiaensen   |
| 11:50 - 12:10   | The OIE Aquatic Animal Health Code : criteria for listing, recent additions and delisting, reporting requirements and reported diseases in the SADC region and in Africa.   | Gillian Mylrea   |
| 12:10 - 12:30   | The OIE Aquatic Animal Health Code : surveillance (§ 1.4)<br><i>(Guide for aquatic animal health surveillance)</i>  | Larry Hammell  |
| 12:30 - 13:00   | Discussion  |  |

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| 13:00 - 14:00 | Lunch  |  |
| Time          | Theme : Epidemiological and biosecurity principles in aquaculture          |  |
| 14:00 - 14:30 | Sampling from fish farms : guiding principles                              | Larry Hammell  |
| 14:30 - 15:00 | Practical biosecurity at farm level and prioritizing risk                  | D. Huchzermeyer  |
| 15:00 - 15:30 | Prevalence, incidence or absence of disease/infection                      | Larry Hammell  |
| 15:30 - 16:00 | Discussion   |  |
| 16:00 - 16:30 | Afternoon Break Tea/Coffee   |  |
| 16:30 - 17:00 | Early detection and diagnostic test performance in apparently healthy fish | Larry Hammell  |
| 17:00 - 17:30 | Risk factors affecting clinical disease                                    | Larry Hammell  |
| 17:30 - 18:00 | Studies to identify risk factors   | Larry Hammell  |
| 19:00-21:00   | Welcome Reception at the Vice Chancellor's Dining Room                     | Hosted by :<br>Dr. Saleem Badat,<br>Vice –Chancellor<br>and Prof. Pete<br>Clayton, Deputy<br>Vice-Chancellor |



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Covered by the OIE.

| September 20 <sup>th</sup> : The aquaculture industry, industry diseases, toxins, food safety |  |   |
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| Time  | Theme : Introduction to aquaculture  |   |
| 08:30 - 10:00   | Introduction to aquaculture : recognition of common aquaculture fish species and their environmental needs   | Horst Kaiser                                      |
| 10:00 - 10:30   | Morning Break Tea/Coffee   |   |
| Time  | Theme : The OIE Aquatic Animal Health Code : disease chapters  |   |
| 10:30 - 11:30   | Common diseases of koi, trout & tilapia  | D. Huchzermeyer                                   |
| 11:30 - 12:00   | Significant fish diseases not occurring in southern Africa   | Horst Kaiser                                      |
| Time  | Theme : Toxicology, pollution and food safety  |   |
| 12:00 - 12:30   | Protocols for investigating suspected pollution - related fish mortalities   | D. Huchzermeyer                                   |
| 12:30 - 13:00   | The OIE Aquatic Animal Health Code : prudent use of antimicrobials   | Gillian Mylrea                                    |
| 13:00 - 14:00   | Lunch  |   |
| 14:00 - 14:30   | Antimicrobial use in aquaculture ( <i>presentation to the World Veterinary Congress side symposium on "Lessons learned and future approaches on the use of antimicrobials"</i> )   | D. Huchzermeyer                                   |
| 14:30 - 16:00   | Working group session 1 : The OIE Aquatic Animal Health Code : contribution of OIE focal points to standard setting (practical exercise using the last available report of the AAHSC) [ and afternoon break tea/coffee ] | Gillian Mylrea<br>P. Bastiaensen<br>Larry Hammell |
| 16:00 - 18:30   | Visit to Rhodes University fish farm (and discussions on aquaculture - at the farm)  |   |
| 19:00 - 21:00   | Braai/Barbecue   | Hosted by DIFS HoD:<br>Prof. W. Sauer             |

**September 21<sup>st</sup> : The Aquatic Manual, fish pathology, pharmacology, diagnosis**

| Time          | Theme : Anatomy, physiology, endocrinology and pharmacology of fish  |                                  |
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| 08:30 - 09:30 | Anatomy & physiology of fish   | Horst Kaiser                     |
| 09:30 - 10:15 | Pharmacology : general principles  | D. Huchzermeyer                  |
| 10:15 - 10:45 | Pharmacology : clinical trials for drugs and for vaccines  | Larry Hammell                    |
| 10:45 - 11:15 | Morning Break Tea/Coffee   |                                  |
| 11:15 - 12:00 | Chemical water treatment methods (in aquaculture)  | Horst Kaiser                     |
| 12:00 - 13:00 | Fish Endocrinology   | Horst Kaiser                     |
| 13:00 - 14:00 | Lunch  |                                  |
| Time          | Theme : The OIE Aquatic Animal Health Manual   |                                  |
| 14:00 - 14:15 | The OIE Aquatic Animal Health Manual : general overview  | Gillian Mylrea                   |
| 14:15 - 14:30 | The OIE Aquatic Animal Health Manual : recommendations applicable to specific diseases: general introduction (§ 2.0) | P. Bastiaensen                   |
| 14:30 - 15:00 | The OIE Aquatic Animal Health Manual : Diseases of fish: general information and sampling (§ 2.3)                    | D. Huchzermeyer                  |
| 15:00 - 15:30 | Internet resources on fish health  | P. Bastiaensen<br>Qurban Rouhani |
| 15:30 - 16:00 | Afternoon Break Tea/Coffee   |                                  |
| Time          | Theme : Diagnostic approach & histopathology   |                                  |
| 16:00 - 18:00 | Practicals in laboratory : diagnostic approach & histopathology  | D. Huchzermeyer                  |

| September 22 <sup>nd</sup> : Legislation and certification for trade |  |                  |
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| Time   | Theme : Certification for trade  |                  |
| 08:30 - 09:00  | The OIE Aquatic Animal Health Code : commodity-based trade and certification                                     | Gillian Mylrea   |
| 09:00 - 09:30  | Protocols for disease free certification of koi & trout for export   | D. Huchzermeyer  |
| Time   | Theme : Veterinary legislation   |                  |
| 09:30 - 10:00  | Epizootic ulcerative syndrome (EUS) : a case example of interest to legislative issues                           | Kevin Christison |
| 10:00 - 10:30  | Morning Break Tea/Coffee   |                  |
| 10:30 - 11:30  | Koi herpes virus (KHV) and Epizootic ulcerative syndrome (EUS) : case examples of interest to legislative issues | D. Huchzermeyer  |
| 11:30 - 13:00  | Working group session 2 : compliance of national legislation with the OIE Guidelines on Veterinary Legislation   | P. Bastiaensen   |
| 13:00 - 14:00  | Lunch  |                  |
| 14:00 - 18:00  | Field trip to Port Alfred to visit Rhodes University Mariculture Research Facility                               | Qurban Rouhani   |
| 18:00-20:00  | Dinner at Port Alfred  |                  |

**September 23<sup>rd</sup> : Parasitology, nutrition and intensive aquaculture**

| Time          | Theme : Parasitology, nutrition and intensive aquaculture  |   |
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| 08:30 - 09:15 | Parasitology   | D. Huchzermeyer   |
| 09:15 - 10:00 | Fish health in intensive aquaculture systems   | Horst Kaiser  |
| 10:00 - 10:30 | The relationship between nutrition and fish health   | D. Huchzermeyer   |
| 10:30 - 11:00 | If prevention is better than cure - then how do we stop fish getting sick ? The relationship between stress and fish health. | Horst Kaiser  |
| 11:00 - 11:30 | Morning Break Tea/Coffee   |   |
| 11:30 - 12:30 | Feedback session for participants  | P. Bastiaensen<br>Qurban Rouhani  |
| 12:30 - 13:00 | Closing ceremony   | Michael B. Modisane<br>Marosi Molomo<br>Qurban Rouhani<br>Other guest of honour |
| 13:00 - 14:00 | Lunch  |   |
| 14:00         | Shuttles depart for Port Elizabeth airport   |   |



[www.rr-africa.oie.int](http://www.rr-africa.oie.int)



[www.daff.gov.za](http://www.daff.gov.za)



[www.rhodes.ac.za](http://www.rhodes.ac.za)



[www.ec.europa.eu](http://www.ec.europa.eu)