SPECIAL SYMPOSIUM*

Disease in aquatic crustaceans: problems and solutions for global food security

09:00 Opening address by chair (Dr Grant D Stentiford. European Union Reference Laboratory for Crustacean Diseases, Cefas, UK)

09:05 The Food Chain theme of the OECD Co-operative Research Programme on Biological Resource Management for Sustainable Agricultural Systems (Dr Primal Silva, Canadian Food Inspection Agency, Ottawa, Canada)

09:20 The role of crustacean fisheries and aquaculture in global food security: past, present and future (Dr Rohana Subasinghe, Food and Agricultural Organisation (FAO), Rome, Italy)

Session 1: Key disease issues in crustacean aquaculture

09:40 Historic emergence, impact and current status of shrimp pathogens in the Americas (Professor Donald Lightner, University of Arizona, USA)

10:00 Historic emergence, impact and current status of shrimp pathogens in Asia (Professor Timothy Flegel, Mahidol University, Thailand)

10:20 WSSV – the most significant viral pathogen in cultured penaeid shrimp (Professor Just Vlak, University of Wageningen, The Netherlands)

10:40 Epidemiology of virus infections in shrimp farming regions (Professor Jeffrey Lotz, Gulf Coast Research Laboratory, USA)

11:00 Refreshments

Session 2: Disease legislation and politics

11:20 Global transboundary disease politics: the OIE perspective (Speaker TBC)

11:40 Transboundary movement of shrimp viruses in crustaceans and their products: a special risk? (Professor Brian Jones, Aquaculture Department of Fisheries of Western Australia, Perth, Australia)

12:00 European Union Member State response to international legislation on aquatic animal health (Dr Edmund Peeler, Centre for Environment, Fisheries and Aquaculture Science (Cefas), UK).

*OECD Co-operative Research Programme sponsored Symposium on Disease in Aquatic Crustaceans
12:20 Evaluating and creating aquaculture standards and certification programmes (Dr Flavio Corsin, WWF, Hanoi, Vietnam)

12:40 Lunch

Session 3: Key disease issues in crustacean fisheries

14:00 The impact of pathogens on exploited populations of decapod crustaceans (Professor Jeff Shields, Virginia Institute of Marine Sciences, USA)

14:20 Global epidemiology of *Hematodinium* sp. infections in commercially exploited crustaceans (Dr Hamish Small, Virginia Institute of Marine Sciences, USA)

14:40 Protistan parasites as mortality drivers in cold water crab fisheries (Dr Frank Morado, National Oceanic and Atmospheric Administration (NOAA), Seattle, USA)

15:00 PAV1 virus in tropical lobsters: effects below the minimum landing size (Dr Donald Behringer, University of Florida, USA)

15:20 Refreshments

Session 4: Solutions towards future food security in the sector

15:40 The immune response in crustaceans and potential for its manipulation to prevent or control commercially significant pathogens (Dr Chris Hauton, University of Southampton, UK)

16:00 Future solutions: the role of nucleic-acid based therapeutics (Dr Lyric Bartholomay, Iowa State University, USA)

16:20 The role of breeding and husbandry in prevention of disease in crustacean aquaculture (Dr Shaun Moss, Oceanic Institute, Hawaii, USA)

16:40 Ensuring crustacean product quality in the post-harvest phase (Professor Douglas Neil, University of Glasgow, Scotland, UK)

17:00 Concluding remarks and open discussion (Dr Grant Stentiford)