

WORKSHOP/ Postgraduate Course CSIC

Conservation Plans for Endangered Species Facing the Threat of Emerging Diseases and Invasive Species

Lecture Hall, 09.00- 17.30. Real Jardín Botánico CSIC, Madrid. 4 September 2016

Organizers: Javier Diéguez-Urbeondo and Tadashi Kawai

PROGRAM

09.00. Presentation. Conservation Plans for Endangered Species Facing the Threat of Emerging Diseases and Invasive Species

Javier Diéguez-Urbeondo and Tadashi Kawai

Invasive species

09.10. Biological invasions: problems and possible solutions

Elena Tricarico, Università degli Studi di Firenze, Italia

09.30. The invasive species situation in Australia

James Furse. Griffith University, Queensland, Australia

09.50. An overview of aquatic invasive species in the US: from Nile crocodiles to Mysis shrimp

Susan B. Adams. Southern Research Station Ashville. USDA. US

10.10. Rainbow trout threatening amphibians of The Andes

Laura Martin Torrijos. RJB-CSIC, Spain

10.20. The Asian predatory wasp and the small hive beetle: invasive species in Europe

Raquel Martín-Hernandez, Centro Agrario de Marchamalo (IRIAF), Guadalajara, Spain

10.40. COFFEE

Emerging Diseases

11.00. Insights into the origin of virulence from model organisms

Arturo Casadevall, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, US

11.30. *Fusarium* egg-disease: an emerging disease in sea turtles

Melissa Sarmiento RJB-CSIC, Spain

11.40. The fungus *Aspergillus sydowii* in Corals

María del Mar Soler MNCN-CSIC, Spain

11.50. *Nosema ceranae* (Microsporidia): an obligate intracellular parasite of bees

Raquel Martín-Hernández, Centro Agrario de Marchamalo (IRIAF), Guadalajara, Spain

12.10. The white spot virus in crustaceans: a serious concern

Kenneth Söderhäll, Universidad de Uppsala, Sweden

12.30. Evolutionary applications for the identification of disease threats to biodiversity

Javier Pérez-Tris, Universidad Complutense, Madrid, Spain

12.50 LUNCH (on your own)

Dealing with invasive species and emerging diseases: the crayfish experience

14.30. Invasive crayfish and crayfish plague: two for the price of one

Javier Diéguez Urbeondo. RJB-CSIC, Spain

15.00. eDNA-monitoring of the crayfish plague *Aphanomyces astaci*

Trude Vrålstad. Veterinary Institute, Norway

15.15. Active spreading of an invasive species challenges ecosystem-based management of crayfisheries

Japo Jussila, The University of Eastern Finland

15.30. Dealing with invasive species and diseases: the crayfish experience in Sweden?

Lennart Edsman, SLU Stockholm, Sweden

15.45. The need of a conservation plan for native crayfish species of far-east Asia

Tadashi Kawai. Wakkanai Fisheries Research Institution. Japan

16.00. COFFEE

16.30- 17.30. ROUND TABLE. How to deal with both emerging and invasive species