

15TH November 2010

State of the Art Technologies for Marine Biodiversity Research and Conservation

OPENING

10:00.- **Juan Junoy Pintos.** Welcome to the University of Alcalá by the Research Group on US-EU Marine Biodiversity of the Franklin Institute of North American Studies.

10:15.- **Enrique Alonso García.** The legal framework for marine biodiversity research and conservation: recent developments.

MORNING SESSION: TECHNOLOGIES AND SCIENCE IN DIFFERENT AREAS OF MARINE BIODIVERSITY RESEARCH AND CONSERVATION

10:45.- **Ree Brennin.** NorthernSpring Inc. University of Ottawa. A review of the interface between science, technology and policy concerning marine biodiversity: Twenty years on beluga research and conservation.

11:15.- Coffee break.

11:30.- **Jeffrey Gearheart.** US National Marine Fisheries Service. NMFS Pascagoula, Mississippi Gear Research Lab. Recent technological advances for turtle and fish bycatch reduction with trawl, gill net and longline fisheries.

12:00.- **Annie Machordom.** Museo Nacional de Ciencias Naturales. CSIC. Applied molecular techniques for the study and conservation of marine biodiversity: recent developments.

12:20.- **Rafael Márquez Martínez de Orense.** Museo Nacional de Ciencias Naturales. CSIC. The Zoological Phonoteque: The use of bioacoustics in marine biodiversity research and bioresources quantitative evaluation.

12:45.- **John Houston.** "Two Very Different Ways of Knowing" - the interface between science and the Inuit (Canadian Eskimo) oral tradition. Observations from a decade of Arctic filming, documenting the Elders' perception of the natural world, the ocean, and the Mother of the Sea Beasts.

13:15.- **Pablo Areitio Toledo & Tim Binder.** Oceanografic Valencia & Shedd Aquarium Chicago. Technologies applicable in ex situ institutions research of special value for in situ conservation of marine species.

13:45.- Lunch Break.

AFTERNOON SESSION: MARINE BIODIVERSITY RESEARCH AND IT (INFORMATION AND TELECOMMUNICATION) TECHNOLOGIES.

15:00.- **Emma Huertas.** Instituto de Ciencias Marinas de Andalucía. CSIC Applications to marine biodiversity research of the new European Research Infrastructure ICOS (Integrated Carbon Observation System)

15:30.- **Herman Hummel.** Centre for Marine and Estuarine Ecology del Netherlands Institute of Ecology (NIOO-CEME). The role of marine science networks and LifeWatch in the flow of biodiversity information: a view on historic strategic settings and latest developments in Europe.

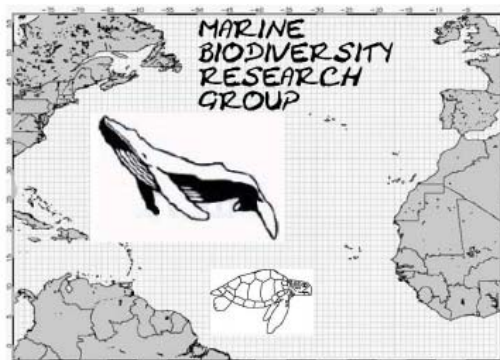
16:00 Break

16:30 to 17:45 PARALLEL SESSIONS.

1.- FILM SCREENING AND DISCUSSION: John Houston & Ree Brennin: Screening of the film, "Diet of Souls" (48:00 minutes). In this award-winning documentary, the wisdom of Inuit (Canadian Eskimo) elders helps Houston to answer the question: "how can animals be both spiritual equals and one's daily bread?" The insights the elders offer add up to a powerful collective plea for respect and conservation. John Houston and Ree Brennin will conduct a Question & Answer session following the screening.

3.- GROUP DISCUSSION: Ministry of Science and Innovation & LifeWatch Preparatory Phase Consortium: "The Spanish National LifeWatch Committee as it may be applied to marine biodiversity. Discussion of the process leading from the existing networks of excellence to the new European Infrastructure. Marine biodiversity in the National LifeWatch Support Committees."

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Sesión organizada con la colaboración y ayuda de

