



## 2<sup>nd</sup> edition of the Humpback Whale World Congress Reunion Island, Indian Ocean

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**Date:** from July 3<sup>rd</sup> to July 7<sup>th</sup>, 2017

**Where:** Auditorium of the Stella Museum (July 3, 4, 5 and 6)  
Whale watching July 7<sup>th</sup>

**Cadre:** Oral presentations and posters

# Program

**Sunday July 2<sup>nd</sup>, 2017**

**5pm-6pm:** Registration

**7pm:** Ice breaking and welcoming Ceremony

**Monday July 3<sup>rd</sup>, 2017**

## **Morning**

8am: Welcoming + Registration

8:30am: Official opening: Broadcast of image and songs of whales,

9:15am: Special regional session focused on Whale's route

10:20 am: Presentation of the exhibition with projection of the making of

10:15am: Opening of the exhibition

**Session #1: Conservation and research in Reunion Island, Chairman: Oswaldo Vasquez**

11:00am: **Keynote Speaker: Collins Tim:** Light sometimes radiates from dark corners – the link between awareness and conservation success

11:50am: **Dulau Violaine et al.:** An overview of 15 years of humpback whale study in Reunion Island (2001-2016): insights for conservation

12:10am: **Estrade Vanessa et al.:** To come or not to come? First attempt to explain variation in humpback whale occurrence around Reunion Island

12:30pm: Lunch

**Afternoon**

**Session #2: Breeding and acoustic behavior, Chairman: Eduardo Mercado**

2pm: **Keynote Speaker: Pack Adam:** Twenty years of sizing whales underwater: Insights into the behavioral ecology and mating system of humpback whales in the Hawaiian breeding grounds

2:50pm: **Di Clemente Jacopo et al.:** The mating songs of Comorian humpback whales (*Megaptera novaeangliae*): a first description

3:10pm: **Saloma Anjara et al.:** Humpback whales mother-calf vocal repertoire in the Sainte Marie channel breeding ground

3:30pm: **Charrier Isabelle et al.:** Vocal activity and diving profiles in mother-calf humpback whales during the breeding season in Madagascar

3:50pm: **Ceyrac Laura et al.:** Using passive acoustic to assess humpback whale occurrence and breeding activity around Reunion Island

4:10pm: Coffee break, poster session and visit of the exhibition

**Session #3: Numerical tools & Data management, Chairman: Claire Garrigue**

4:30pm: **Keynote Speaker: Blount Drew:** Flukebook: Computer Vision, Open Science, and A.I. for Humpback Whales

5:20pm: **Johnson Tory et al.:** A new web-based tool and methodology for working toward a global humpback whale photo-ID catalog

5:40pm: **Ngafack Rodrigue et al.:** Citizen Science: Involving local communities and citizens into marine mammal research and conservation using mobile App in Cameroon

6pm: End of the day sessions

**Tuesday July 4<sup>th</sup>, 2017**

**Morning**

8am: Welcome to the participants (coffee)

**Session #4: Migration behavior, Chairman: Violaine Dulau**

8:30am: **Keynote Speaker: Cerchio Salvatore:** Contrasting movement patterns of migratory and non-migratory baleen whale populations

9:20am: **Trudelle Laurène et al.:** Differences and commonalities among coastal movements and habitat use patterns of various humpback whale populations of the Southern Hemisphere during the breeding period: Preliminary results

9:40am: **Garrigue Claire et al.:** Spatial distribution of humpback whales in breeding grounds: where should we look? Exploration of New Caledonian remote waters as a case study

10:00am: **Vasquez Oswaldo:** Current status of Humpback Whales in Island of Santo Domingo "

10:20am: **Vély Michel et al.:** Humpback whale satellite-tracking reveals the connectivity between the Northern Lesser Antilles and the importance of regional collaboration to conserve marine biodiversity "

10:40am: Coffee break"

**Session #5: Analytical tool and Behavior, Chairman: Joy Reidenberg**

11:00am: **Keynote Speaker: Hunt Kathleen:** Feces, blow and baleen: Modern approaches to assessment of stress and reproduction in humpback whales using alternative sample types

11:50am: **Marchesseau Schédir et al.:** Do Humpback whale (*Megaptera novaeangliae*) newborn calves have a preference to position themselves to a side of their mother?

12:10pm: Lunch

## **Afternoon**

### **Session #6: Population genetics, Chairman: Salvatore Cerchio**

1pm: **Keynote Speaker: Palsboll Per:** Changes in baleen whale abundance, distribution and migration during present and past climate changes

1:50pm: **Kershaw Francine et al.:** Multiple processes drive genetic structure of humpback

2:10pm: **Lambert Aurore et al.:** Genetic characterization of humpback whales in the Ile Sainte-Marie Waters (Madagascar)

2:30pm: **Bonneville Claire et al.:** Temporal and spatial investigation of genetic diversity in humpback whales (*Megaptera novaeangliae*) wintering in New Caledonia

2:50pm: **Jung Jean-luc et al.:** Targeted studies to decipher humpback whale genetic diversity

3:10pm: Coffee break, poster session and visit of the exhibition

### **Session #7: Anatomy, Chairman: Isabelle Charrier**

3:30pm: **Keynote Speaker: Reidenberg Joy:** Humpback Hyoid: A New Function for an Old Bone

4:20pm: **Damien Juliette et al.:** Anatomy and functional morphology of the rorqual whale larynx:phonation positions of the U-fold

### **Session #8: Regional Network, Chairman: Per Palsboll**

4:40pm: **Dulau Violaine et al.:** IndoCet Consortium: an Indian Ocean network for Cetacean Research

5:00pm: **Minton Gianna:** The Arabian Sea Whale Network: A regional approach to conservation of an endangered population

5:20pm: End of the day sessions

## Wednesday July 5<sup>th</sup>, 2017

### Morning

8am: Welcome to the participants (coffee)

#### **Session #9: Molecular, Analytical and Acoustic tools, Chairman: Olivier Adam**

8:30am: **Keynote Speaker: Jarman Simon:** Age estimation in humpback whales by analysis of DNA methylation

9:20am: **Mercado Eduardo *et al.*:** Timing and reverberation in humpback whale songs

9:40am: **Nolibe Gilles *et al.*:** Acoustic interferometry technique used for localization of sound sources. Application to localize “singing” humpback whales and analyze behavior on spatial acoustic channel occupation

10:00am: **Doh Yann *et al.*:** Stereophonic medium term recording of humpback whales in the canal of Sainte Marie (Madagascar): daily evolution of the density and acoustic interactions

10:20am: **Sousa-Lima Renata *et al.*:** 17 years of eavesdropping on singing male humpback whales in the Abrolhos Bank, Brazil

10:40: Coffee break, poster session and visit of the exhibition

#### **Session #10: Human interaction, Chairman: Laurene Trudelle**

11:00am: **Keynote Speaker: Christiansen Fredrik:** Predicting population consequences of disturbance on baleen whales

11:50am: **Kate Sprogis:** Impacts of swim-with humpback whale interactions and assessing human safety in the Ningaloo Marine Park, Western Australia

12:10pm: Lunch

## Afternoon

### **Session #11: Population, Chairman:** Jean-Luc Jung

1pm: **Keynote Speaker: Waples Robin:** The relationship between census size (N) and effective size (Ne) in humpback whale populations

1:50pm: **Mwang'ombe Michael Gilbert *et al.*:** Improving the understanding of the humpback whales migration through Kenyan waters

2:10pm: **Gonçalves Maria Isabel *et al.*:** Serra Grande region as a Brazilian breeding area of humpback whales

2:30pm: **Gribaudo César *et al.*:** Humpback whales in the Saint George Gulf, Patagonia, Argentina

2:50pm: **Kiani Muhammad Shoab:** Status of the Arabian Humpback Whale (*Megaptera novaeangliae*) in Pakistan

3:10pm: **Eugénio Inteca Gelica *et al.*:** Report of whale watching in Vamizi island, north of Mozambique, before, during and after an El Niño year

3:30pm: Coffee break, poster session and visit of the exhibition

### **Session #12: Socio-economic studies, Chairman:** Fredrik Christiansen

3:50pm: **Andrianarivelo Norbert *et al.*:** Protection and valorization of the whales and dolphins by the local community in the municipalities of Anakao, Soalara Sud and Saint Augustin, Toliara, South west of Madagascar.

4:10pm: **Sandron Frederic *et al.*:** Humpback whales and whale watching: A survey about whale watchers in Reunion

4:30pm: **Ralaizara Brigida:** The challenges of citizen science: case of whale-watching activity in Sainte-Marie island (Madagascar) Island

4:50pm: **Fernandes Luena *et al.*:** An Integrated Framework to Assess the Carrying Capacity of Humpback Whale-Watching Tourism in Praia do Forte, Northeastern Brazil

5:10pm: End of the day sessions

## Thursday 6<sup>th</sup> July 2017

### Morning

8:30am: Welcoming

### **Session #13: Sensibilisation, Education and Conservation**

9:00am: Opening speech from the council of Reunion Island

9:50am: Signing of Code of Ethics for Approach of Marine Mammals and Turtles

10:10am: A word from Sébastien Folin followed by a projection of a movie “Vacarme en haute mer”

12:00 Lunch

### Afternoon

2:00pm: Indian Ocean Cetacean Workshop

Workshop on Whale Heritage Trails/ or Towards Responsible Whale Watching by Dylan Walker (WCA)

4:00pm: Coffee break

4:20pm: Return to Workshops

5:45pm: End of workshops

**6:30pm: Closing** Cocktail

## Friday 7<sup>th</sup> July 2017

08:30am: Departure for the whale watching.

12:00: Return to the hotel.