

Research Activity Report
Supported by “Leading Graduate Program in Primatology and Wildlife Science”
 (Please be sure to submit this report after the trip that supported by PWS.)

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Affiliation/Position	Primate Research Institute/D2
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1. Country/location of visit
Australia/ Melbourne
2. Research project
One Health EcoHealth 2016
3. Date (departing from/returning to Japan)
2016.12.02 – 2016.12.07 (6 days)
4. Main host researcher and affiliation
Prof. Martyn Jeggo (GCEID, Deakin University, Australia) and Prof. John Mackenzie (Curtin University, Australia)
5. Progress and results of your research/activity (You can attach extra pages if needed)
<p>The One Health EcoHealth 2016 is the first instance where the One Health and EcoHealth communities were brought together to work towards a more integrated approach and effective response to global health challenges. Although Health is the common ground for both initiatives, they have slightly different (but complementary) approaches. One Health is concerned with human, animal and environment health and how they interact and affect each other. It aims to promote, improve and protect the health of all species by enhancing the collaboration between experts in different areas throughout the world. One of the most difficult challenges right now is to understand how diseases emerge from an animal background; diseases like MERS, SARS, Zika and Ebola are crucial to understand what this paradigm is about. However, it goes further than that, including antimicrobial resistance, development of resistance, food security and food safety. EcoHealth, on the other hand, is dedicated to conservation of biodiversity, particularly in landscapes driven by anthropogenic change, where ecological health is at risk due to rapid habitat loss and pollution. Lately this organization has expanded its mission to address human-wildlife conflicts, training local scientist and developing community-based projects. Due to the complexity of these issues, it is important to have an inter-disciplinary approach and a wide skillset to better face these challenges.</p> <p>I attended brilliant talks and had the opportunity to meet and chat with people with a common interest in public, animal and ecosystem health. I re-encounter people I had met in previous conferences, and with people working in Sabah that I had not had the chance to meet before. Overall, this conference was the perfect setting for people from different communities and backgrounds to come together and share ideas.</p>

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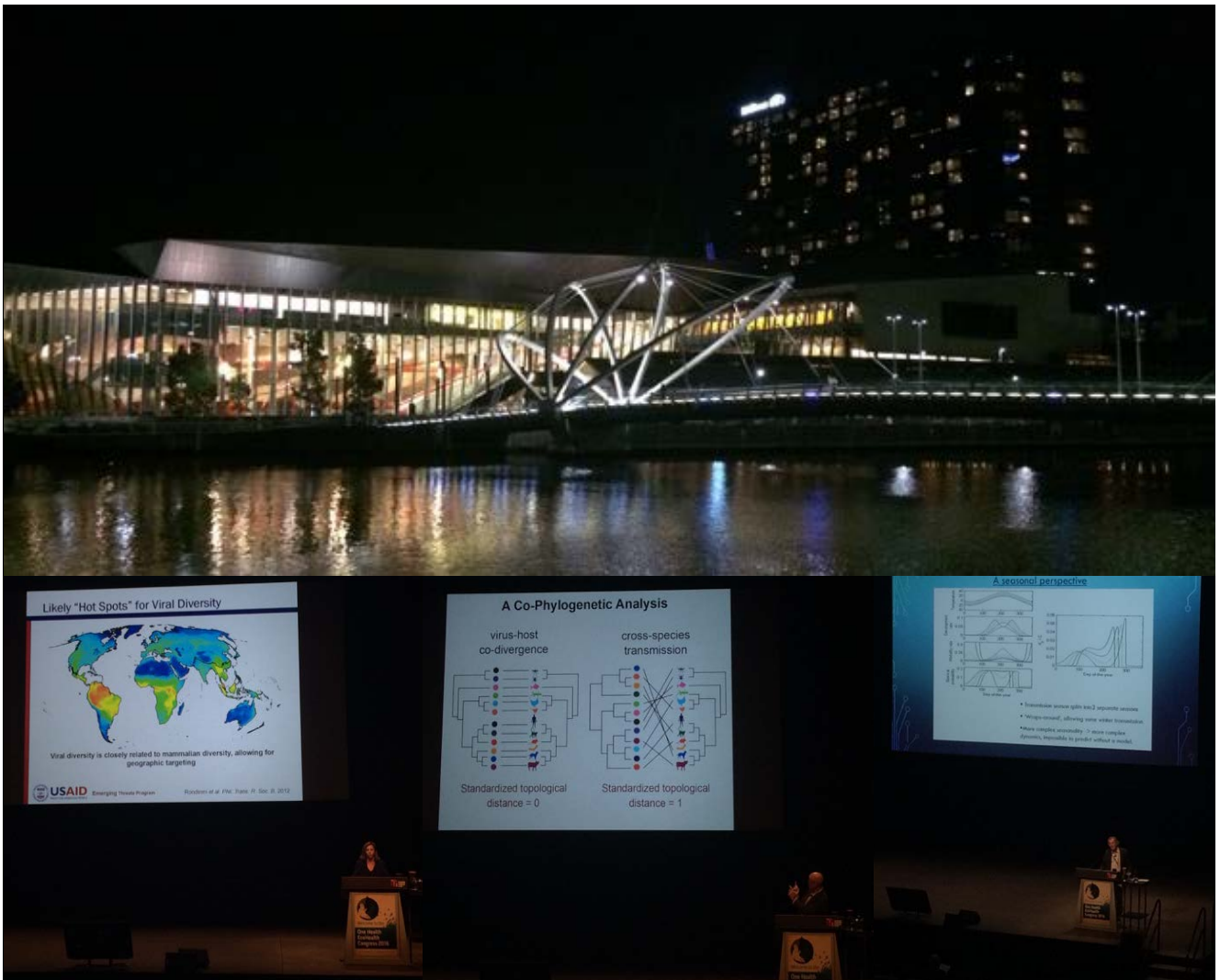


Fig. 1. Melbourne Convention and Exhibition Centre, conference venue (top). Talk on behalf of Dr. Dennis Carroll (USAID, USA) on the global virome project (bottom left), Prof. Edward Holmes (University of Sydney, Australia) on novel agents and how to predict them (bottom middle), and Prof. Andy Dobson (Princeton University, USA), on reasons why One Health and EcoHealth need population dynamics. Photo credit: Liesbeth Frias.

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Fig. 2. Researchers and friends from around the world, met in different conferences over the last year. All of us joined a fantastic barbecue hosted by Pam and Graeme, right before heading to the opening ceremony. Photo credit: Graeme Smith.

Acknowledgments

I would like to express my gratitude to PWS and Prof. Matsuzawa for supporting my attendance to this conference. Special thanks to Pam and Graeme for the wonderful memories.