

Pacific Environmental Security Forum Photo Summary

Sydney, Australia

16-19 April 2013

Justin Pummell, GISP

Geographer

U.S. Army Corps of Engineers



US Army Corps of Engineers
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Introduction



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- U.S. Pacific Command (USPACOM) J4 and the Australian Department of Defence (ADoD) conducted the Pacific Environmental Security Forum 16-19 April 2013 in Sydney, Australia.
- Forum was attended by 85+ participants from 18 countries in the Pacific AOR.
- Event focused on military resilience to climate change, environmental sustainability, biosecurity and disaster management.



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Group Photo



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Pacific Environmental Security Forum
16-19 April 2013, Sydney, Australia



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Day 0 – Facilitator Training



**Facilitators discuss PESF
materials during the training
session**

Day 0 – Facilitator Training



Mr. Pummell (USACE) leads the facilitator training session



Day 1 – Environmental Sustainability



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**Mr. John Owens (ADoD)
announces the start of the
PESF**



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Day 1 – Environmental Sustainability



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**The Honorable Sen. David Fenney
(Australian Parliament) delivers
his opening remarks at the PESF**



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Day 1 – Environmental Sustainability



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Brig Gen Mark McLeod (USPACOM J4) provides his opening statement at the PESF



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Day 1 – Environmental Sustainability



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Air Commodore Richard Owen (ADoD HQJOC) introduces the environmental sustainability theme



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Day 1 – Environmental Sustainability



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**COL Ibnu Fatah (Indonesia – TNI AD)
presents on the Indonesian military's efforts
for sustainable environmental operations**



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MG (ret) Muniruzzaman (Bangladesh Institute of Peace & Security Studies) presents on the security implications of climate change



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**LTC (ret) Daniel Brewer (Liberty University)
presents on waste management issues in
contingency operations**



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**Dr. James Zeidler (Colorado State University)
presents on cultural heritage considerations
in contingency operations**



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Day 1 – Environmental Sustainability



**Participants from Nepal and the Maldives
listen to environmental sustainability
presentations**



Day 1 – Environmental Sustainability



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An environmental sustainability panel session is conducted with all of the Day 1 speakers



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Day 1 – Environmental Sustainability



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Col Ray Tusi (USPACOM) leads an environmental sustainability workshop



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Day 1 – Environmental Sustainability



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**Brig Gen Mark McLeod (USPACOM) delivers
a comment during one of the work group
sessions**



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Day 1 – Environmental Sustainability



CMDR Steve Cole (ADoD) leads a work group discussion

Day 1 – Environmental Sustainability



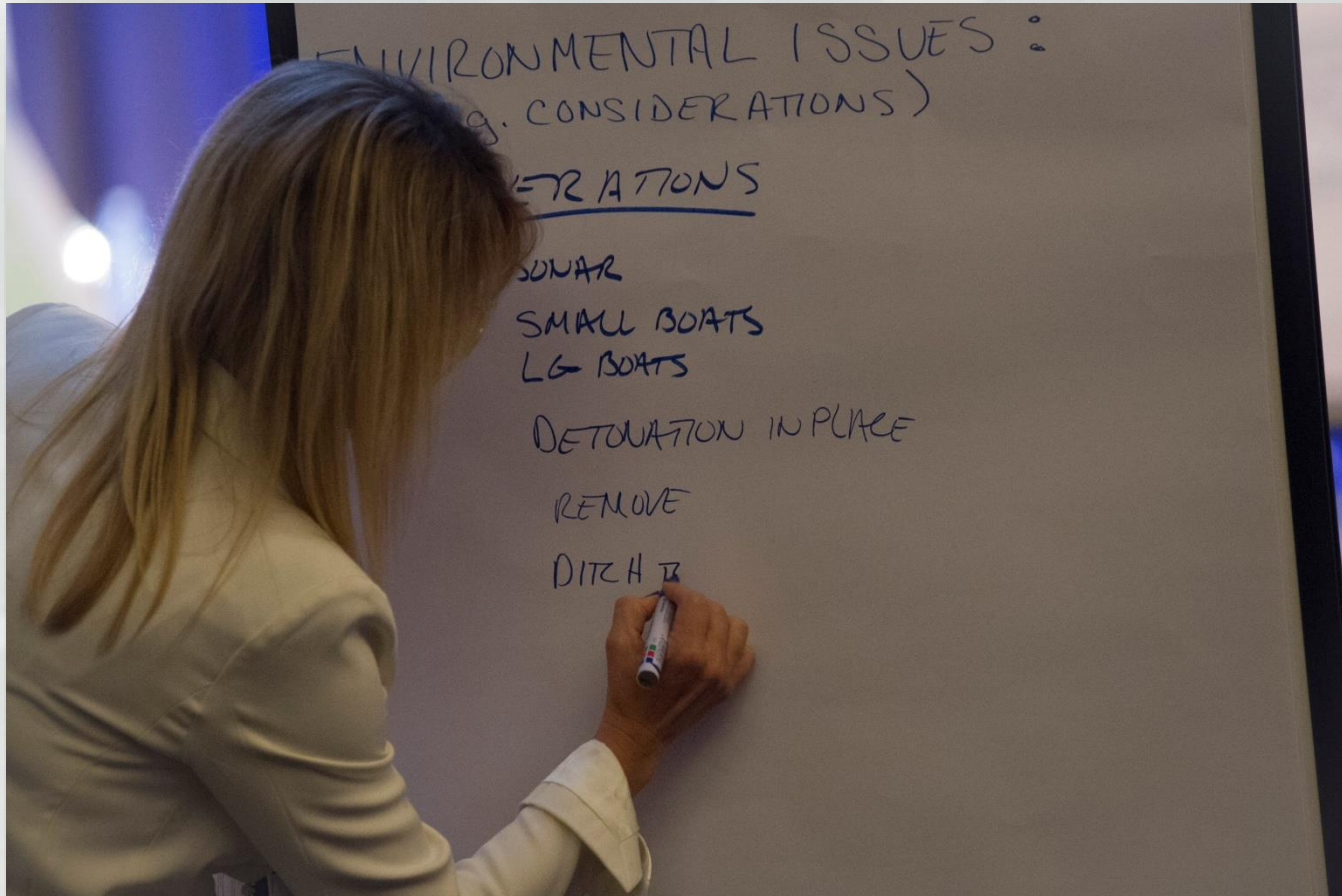
Representatives from Bangladesh, Thailand, Malaysia and the US review materials

Day 1 – Environmental Sustainability



Representatives from Thailand, Indonesia and China listen to CMDR Steve Cole during a work group session

Day 1 – Environmental Sustainability



Ms. Nicole Griffin (MARFORPAC) takes notes during a work group session



Day 2 - Biosecurity



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Commodore Mark Sackley (ADoD Joint Logistics Command) introduces the biosecurity theme



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Day 2 - Biosecurity



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Delegates from Vietnam, Papua New Guinea and Australia listen to biosecurity presentations on Day 2



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Day 2 - Biosecurity



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Dr. Adam Sparks (International Rice Research Institute) presents on biosecurity concerns in Southeast Asia



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Day 2 - Biosecurity



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**Ms. Joanne Weinert
(Australian
Department of
Agriculture,
Fisheries &
Forestry) presents
how biosecurity
measures are
eliminated in
Australia**



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Day 2 - Biosecurity



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Dr. Nguyen Van Duyen (Mekong River Commission) explains biosecurity concerns in the Mekong River delta.



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Day 2 - Biosecurity



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Ms. Joanne Weinert (DAFF) responds to a question during the biosecurity panel session



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Day 2 - Biosecurity



CAPT John Sommer (USPACOM) asks a question during the biosecurity panel session



A large white ferry boat with a red and white striped mast is docked at a wooden pier. A large group of people is waiting on the pier. In the foreground, a man in a light blue shirt and tie stands with his hands in his pockets. To the right, a sign on a pole lists rules for the facility. The sky is blue with white clouds, and the water is calm.



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Day 2 - Biosecurity



Delegates from Indonesia, Bangladesh, Nepal and India pose for a picture near the Sydney Harbor Bridge



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Day 2 - Biosecurity



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The US delegation near the Sydney Opera House



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Day 2 - Biosecurity



Participants disembark the ferry at the Garden Island Navy Base

Day 2 - Biosecurity



LT CDR Ian Brown (Royal Australian Navy) leads a cultural heritage tour at the Garden Island Navy Base



Day 2 - Biosecurity



**Participants look at historical preservation measures
at the Garden Island Navy Base**

Day 2 - Biosecurity



Col Ray Tsui (USPACOM) and Mr. Tetsuya Ito (Japan) walk through the chapel at the Garden Island Navy Base



Day 2 - Biosecurity



Rock carvings preserved at the Garden Island Navy Base



Day 2 - Biosecurity



One of the stops along the tour of Garden Island included the cassions and dry dock



Day 2 - Biosecurity



Commodore Partridge (Royal Australian Navy) welcomed participants to the icebreaker session at the Garden Island Navy Base





Day 3 – Disaster Management



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**Brig Gen Mark McLeod (USPACOM)
introduces the disaster management
theme on Day 3 of the PESF**



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Day 3 – Disaster Management



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**Mr. Ito (Japan Ministry of Defense)
speaks on lessons learned from the
Great Tohoku Earthquake & Tsunami**



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Day 3 – Disaster Management



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**Maj Mark Walters (New Zealand Defence Forces)
explains Operation Tropic Twilight during the
disaster management day of the PESF**



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Day 3 – Disaster Management



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Col Jonas Suizo (Philippines) explains what his military is doing to combat climate change threats



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Day 3 – Disaster Management



Maj Walters (New Zealand) responds to a question during the disaster management panel session

Day 3 – Disaster Management



BG Mansoor (Maldives) asks a question during the disaster management panel session

Day 3 – Disaster Management



LT CDR Ian Brown (Royal Australian Navy) explains the oil spill response demonstration at Garden Island



Day 3 – Disaster Management



CMDR Steve Cole (Royal Australian Navy) provides insight to oil spill response capabilities at Garden Island Navy Base



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Day 3 – Disaster Management



Delegates wear ponchos at the Sydney Harbor oil spill response demonstration. The demonstration was shortened due to the weather.

Day 3 – Disaster Management



A boom and oil skimmer are deployed during the oil spill response demonstration





Day 4 – Climate Change Adaptation



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Air Vice-Marshal Neil Hart (ADoD) introduces the climate change adaptation theme on Day 4 of the PESF



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Day 4 – Climate Change Adaptation



COL (ret) Neil Greet (ADoD) leads a climate change adaptation discussion



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Day 4 – Climate Change Adaptation



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Ms. Jane Holloway (ADoD) explains how Australian is taking proactive measures to combat climate change threats



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Day 4 – Climate Change Adaptation



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Ms. Cheryl Durrant (ADoD) provides climate change facts to consider in the Pacific region



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Day 4 – Climate Change Adaptation



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Dr. Purevjav Gomboluudev (Mongolia) presents cold weather climate change considerations at the PESF



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Day 4 – Climate Change Adaptation



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**BG Mansoor (Maldives National Defence Force)
explains how climate change is impacting the
Maldives**



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Day 4 – Climate Change Adaptation



BG Mansoor (Maldives) responds to a question during the climate change adaptation panel session

Day 4 – Climate Change Adaptation



Ms. Ninette Sadusky (OSD) asks a question during the climate change adaptation session

Day 4 – Climate Change Adaptation



Maj Noyamefa (Papua New Guinea) poses a question to the climate change adaptation panelists

Day 4 – Climate Change Adaptation



A live underwater video feed is provided to the PESF from the Great Barrier Reef Marine Park

Day 4 – Climate Change Adaptation



Col Jiangfan (China) presents his delegation's after action review comments

Day 4 – Climate Change Adaptation



**AVM Neil Hart (ADoD) and Mr. Michael Healy (ADoD)
discuss the after action review session**

Day 4 – Climate Change Adaptation



Mr. Justin Pummell (USACE) delivers after action review comments

Day 4 – Climate Change Adaptation



Dr. Yusuf (Malaysia) presents her delegations after action review comments



Day 4 – Climate Change Adaptation



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Air Vice-Marshal Neil Hart (ADoD) closes the 2013 Pacific Environmental Security Forum



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Day 4 – Climate Change Adaptation



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LN1 Gabriela Guerrero, COL Ray Tsui, and LTC Eric Quan (USPACOM) distribute certificates at the end of the PESF



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Thanks



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- Many thanks to Phillip Vavaseur (ADoD), who provided a majority of these photos
- Please contact Mr. Christopher Sholes (christopher.sholes@pacom.mil) or Mr. Justin Pummell (justin.d.pummell@usace.army.mil) if you have any questions.



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