

# Pacific Environmental Security Forum (PESF)

Day One – 16 April 2013

Purpose: To build military resilience to the impacts of climate change and mature environmental security partnerships, diplomacy and awareness in the Pacific region. The 2013 PESF focused on four key themes to achieve this vision. The themes included: 1) Sustainable environmental management from planning to close out; 2) Lessons learned from military support to disaster relief; 3) Managing and preventing biosecurity risks; and 4) Reviewing emerging technologies and new approaches to mitigating and adapting to climate change impacts.

## Day 1 - Highlights

- Opening ceremony delivered by Mr. John Owens (ADoD), HE David Feeney (Australian Parliament) and Brig Gen Mark McLeod (USPACOM J4).
- Environmental Sustainability theme led by Air Commodore Richard Owen (HQJOC, ADoD).
- Presentations and panel session included COL Ibnu Fatah (Indonesia) MG (ret) Muniruzzaman (Bangladesh), LTC (ret) Daniel Brewer (Liberty University) and Dr. James Zeidler (Colorado State University).
- Environmental Sustainability workshops in contingency operations planning and environmental baseline/closeout surveys completed.

## Tomorrow's Activities

- Biosecurity theme to be led by Commodore Mark Sackley (Joint Logistics Command, ADoD).
- Presentations and panel session will feature Dr. Adam Sparks (International Rice Research Institute), Ms. Joanne Weinert (Australian Department of Agriculture, Fisheries and Forestry) and Dr. Nguyen Duyen (Mekong River Commission).
- ADoD will provide ferry tour of Sydney Harbor defence facilities.
- Walking heritage and biosecurity tour of Garden Island Navy Base is planned.
- Icebreaker at the Navy Heritage Centre will conclude the day's activities.



HE David Fenney addresses the PESF during the opening ceremony



Environmental Sustainability panelists contribute to the group discussion



Brig Gen McLeod and others participate in a workshop session

# Pacific Environmental Security Forum (PESF)

Day Two – 17 April 2013

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## Day 2 - Highlights

- Biosecurity theme led by Commodore Mark Sackley (Joint Logistics Command, ADoD).
- Presentations and panel session included Dr. Adam Sparks (International Rice Research Institute), Ms. Joanne Weinert (Australian Department of Agriculture, Fisheries & Forestry) and Dr. Nguyen Van Duyen (Mekong River Commission).
- A Sydney Harbor defence facilities overview was delivered by ADoD via ferry.
- The Royal Australian Navy provided a walking tour of the Garden Island Navy Base, which featured stops related to heritage preservation, pollution prevention, and biosecurity risk reduction.

## Tomorrow's Activities

- Disaster management theme to be led by Brig Gen Mark McLeod (USPACOM J4).
- Presentations and panel session will feature Mr. Tetsuya Ito (Japan Ministry of Defense), Maj Mark Walters (New Zealand Defence Forces) and Col Jonas Suizo (Philippines Armed Forces). A panel session with these speakers will follow.
- The Royal Australian Navy and the Sydney Ports Corporation will provide an oil spill response demonstration in Sydney Harbor. Participants will view the demonstration from the Garden Island Navy Base facilities.

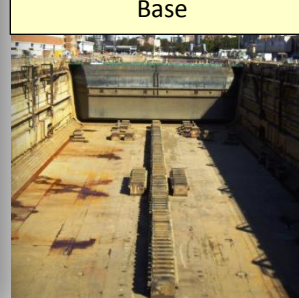
Biosecurity panelists respond to questions during Day 2 of the PESF



Participants aboard the Sydney Harbor Defense Facilities tour



The dry docks at the Garden Island Navy Base



CMDR Steve Cole and LS Grant Langlands chat at the PESF icebreaker





Australian Government  
Department of Defence



# Pacific Environmental Security Forum (PESF)

Day Three - 18 April 2013

Purpose: To build military resilience to the impacts of climate change and mature environmental security partnerships, diplomacy and awareness in the Pacific region. The 2013 PESF focused on four key themes to achieve this vision. The themes included: 1) Sustainable environmental management from planning to close out; 2) Lessons learned from military support to disaster relief; 3) Managing and preventing biosecurity risks; and 4) Reviewing emerging technologies and new approaches to mitigating and adapting to climate change impacts.

## Day 3 - Highlights

- Disaster management theme led by Brig Gen Mark McLeod (USPACOM J4).
- Presentations and panel session included Mr. Tetsuya Ito (Japan Ministry of Defense), Maj Mark Walters (New Zealand Defence Forces) and Col Jonas Suizo (Philippines Armed Forces).
- An oil spill response demonstration was delivered at the Garden Island Navy Base. The event was led by the Royal Australian Navy and the Sydney Ports Corporation. The event was shortened because of poor weather conditions. However, a boom and skimming demonstration was delivered.

## Tomorrow's Activities

- Climate change adaptation and mitigation theme to be led by COL Neil Greet (ADoD).
- Presentations and panel session will feature Ms. Jane Holloway (ADoD), Ms. Cheryl Durrant (ADoD), Dr. Purejav Gomboluudev (Mongolia Institute of Meteorology, Hydrology & Environment) and BG Zakariyya Mansoor (Maldives National Defence Force). A panel session with these speakers will follow.
- An after action review session will be led by USPACOM to capture areas of enhancement and sustainment.
- Brig Gen Mark McLeod and Air Vice-Marshal Neil Hart will lead the closing ceremony.

Mr. Ito (Japan) responds to a question during the Disaster Management Panel Session



A boom is placed into the water as the Sydney Ports Corporation responds to a mock oil spill



Maj Mark Walters (New Zealand) speaks while Brig Gen McLeod (USPACOM) listens



# Pacific Environmental Security Forum (PESF)

Day Four - 19 April 2013

Purpose: To build military resilience to the impacts of climate change and mature environmental security partnerships, diplomacy and awareness in the Pacific region. The 2013 PESF focused on four key themes to achieve this vision. The themes included: 1) Sustainable environmental management from planning to close out; 2) Lessons learned from military support to disaster relief; 3) Managing and preventing biosecurity risks; and 4) Reviewing emerging technologies and new approaches to mitigating and adapting to climate change impacts.

## Day 4 - Highlights

- Climate change adaptation theme led by AVM Neil Hart (ADoD) and Col Neil Greet (ADoD).
- Presentations and panel session included Ms. Jane Holloway (ADoD), Ms. Cheryl Durrant (ADoD), Dr. Purevjav Gomboluudev (Mongolia Institute of Meteorology, Hydrology & Environment) and BG Zakariyya Mansoor (Maldives National Defence Force).
- An after action review session was held by each of the five work groups, as well as by the heads of delegation from each of the participant countries.
- Closing ceremony led by Brig Gen Mark McLeod (USPACOM) and AVM Neil Hart (ADoD).

## Way Forward

- Budget permitting, the 2014 PESF will be co-hosted by USPACOM and the Maldives National Defence Force and focus on South Asia.
- An After Action Report will be prepared by USPACOM. The report will include lessons learned and opportunities for the future.
- Future topics at next year's PESF can include energy resiliency, water security, disaster management, and waste management.
- USPACOM will further educate its defense personnel on climate change and environmental security topics so partners can readily gain access to this information through ODCs/DAOs or a shared web portal.

Dr. Gomboluudev (Mongolia) answers a question during the panel session



BG Sanyal (India) delivers a remark



Col Jiangfan (China) delivers some comments during the After Action Review



AVM Hart (ADoD) delivers his opening statement

