



### *Monday 7 May 2012*

0730 -0830

**Registration**

0830 – 0915

**Welcome: USF President Judy Genshaft**

**Moderator: Donna J. Petersen, Sc.D., MHS**

Dean, College of Public Health, USF

0915 - 1200

**Keynote Addresses**

**Moderator: Thomas J. Mason, Ph.D., Professor**

Dept of Environmental and Occupational Health

0915 – 1015

**Joe Rozza, P.E., BCEE**

Global Water Resource Sustainability Manager

The Coca-Cola Company

***“Water Resource Sustainability: Strategy, Risk Management and Partnerships “***

1015 – 1045

**Break**

1045 – 1145

**Aaron T. Wolf, Ph.D.**

Professor and Chair, Geosciences College of Earth, Ocean, and Atmospheric Sciences Oregon State University

***“ International Waters: Conflict, Cooperation and Transformation”***

1200 – 1330

**Lunch**



## AGRICULTURE

**Moderators: John W. Groninger, Ph.D. , and Chuck Alexander Former USDA Liaison to CENTCOM**

Water management improvements in Agriculture afford the best solutions for water problems. Topics addressed include: farm practices given scarce water resources; short-term gains & long-term sustainability; village to village partnerships emphasizing the Cultural Context ; as well as, TALIBAN EXPLOITATION !

1330 – 1415

**John W. Groninger, Ph.D.**

Director of International Agricultural Programs and Professor of Forestry Southern Illinois University

***“Watershed Issues and Management in Afghanistan: Opportunities and Challenges”***

1415 – 1500

**Colonel Johnny Isaak**

Chief of Staff of the Nevada Army National Guard

***“ADT’s Role in Water Management”***

1500 – 1530

**Break**

1530 – 1615

**Dr. David C. Ellis**

Lead, Socio-Cultural Awareness Section Irregular Threat Analysis Branch USSOCOM JICSOC

and **LTC Scott Mann, USSOCOM J33**

**CW4 Kenneth Ewan, USSOCOM JICSOC**

***“Afghan Farmers Have Forgotten How to Farm: Strategic Impact of Water Politics”***

1615 – 1715

**Panel Discussion/ Synthesis**

1800 - 1930

***Evening Reception***

USF Gibbons Alumni Center

***Tuesday 8 May 2012***

0830 – 0900

Administrative Session



**ENERGY**

***Moderators: Jon Freedman, GE, and Kurt Mickus, DOE Liaison to CENTCOM***

The generation of energy has been one of the major uses of water, Topics addressed include: Water wise use in the generation of Energy, and Energy-wise use in water distribution; and alternative approaches to the generation and storage of energy.

0900 – 0925

**Jon Freedman, JD, MBA, Alicia Altagracia APONTE, M.S., and Charles Iceland, CFA, M.A.**

Global Government Relations Leader, GE Water & Process Technologies

***“Water and Energy: Forces Shaping the Future and Key Trends”***

0925 – 0945

**Alicia Altagracia APONTE, M.S.**

Global Strategy and Planning General Electric Energy

***“Global Power –Water Outlook: Future Pathways”***

0945-1005

**Charles Iceland, CFA, M.A.**

World Resources Institute Markets and Enterprise Program, Manager, Aqueduct Alliance

***“China’s Water-Energy Dynamics”***

- 1005 – 1025      **Jon Freedman, JD, MBA**  
  
Global Government Relations Leader, GE Water & Process Technologies  
*“Technology Solutions : The GE Perspective”*
- 1025 – 1045      **Q&A**
- 1045-1115      **Break**
- 1115 – 1145      **LtCol Rick Schilke, USMC, M.S.**  
Headquarters, U. S. Marine Corps Marine Corps Expeditionary Energy Office  
*“USMC Expeditionary Energy Update: Shaping America’s Middleweight Force”*
- 1145 – 1230      **Panel Discussion/ Synthesis**
- 1230 – 1330      **Lunch**



## MINING

**Moderators: Kent Butts, Ph.D. US Army War College, and Tom Crisman, Ph.D. USF**

Mining has also been an important activity as it uses water in various ways. Topics include: Current practices; risks for environmental impacts; potential for remediation; and, approaches to reclamation.

- 1330 – 1415      **Jack Medlin, Ph.D.**  
USGS Afghanistan Project Lead  
*“Mining issues in Afghanistan”*

- 1415 -1515      **Charles A. Mouzannar, PE**  
Executive Vice President – Growth Regions & Construction  
AMEC Environment and Infrastructure, Inc.  
*“Mining Opportunities & Water Challenges in Afghanistan”*
- 1515-1545      **Break**
- 1545-1645      **John H. Kiefer, Ph.D., P.E., P.W.S.**  
Principal Water Resource Engineer AMEC’s Central Florida  
Operations,  
  
and  
  
**Thomas L. Crisman, Ph.D.**  
Professor, Depts of Integrative Biology and Environmental and  
Occupational Health, University of South Florida  
*“Mine Reclamation Design to Provide Sustainable Water  
Resource Systems: the Florida Experience”*
- 1645-1730      **Tom Hanlon, M.S.**  
  
U.S. Military Academy ( West Point )  
  
Dept of Geography and Environmental Engineering  
  
*“The Mining Legacy in a Water Scarce South Africa”*
- 1730 - 1830      **Panel Discussion/Synthesis**

## ***Wednesday 9 May 2012***

0830 – 0900 Administrative Session

0900 – 1000

**Laura Jean Palmer-Moloney, Ph.D.**

USACE ERDC Senior Research Geographer (TDY AF PAK Hands,  
Senior Advisor/Water Resource Management RC(SW)

and

**Kea U. Duckenfield, Ph.D**

GEOINT Analyst, Economic and Environmental Security  
Division, National Geospatial-Intelligence Agency

***“COIN Effect: Understanding water's role in  
counterinsurgency stability operations, RC(SW),  
Afghanistan”.***

1000 – 1030

***Break***



## **POLICY IMPLICATIONS**

***Moderator : Mohsen Milani, Ph.D. Director Center for Strategic & Diplomatic Studies,***

***USF World***

Each of the aforementioned Themes : Agriculture, Energy and Mining have policy implications. The following are important questions for policy makers: How will water scarcity and mismanagement affect stability in Afghanistan near and long term? How will scarcity of drinking water impact human development especially women and children (urban and rural)? How should the supply of water be allocated/balanced between public use (e.g. drinking, sanitation, etc.), agriculture use (e.g. irrigation) and industrial/commercial use (e.g. mining). What criteria should guide this policy?

- 1030 – 1115      **Mohsen M. Milani, Ph.D., Professor**  
 Executive Director, Center for Strategic  
 & Diplomatic Studies, USF World  
*“Implications of the Intelligence Community Assessment  
 (Global Water Security - 2 Feb 2012) and the US Water  
 Partnership ( 22 Mar 2012 )”*
- 1115-1200      **Adib Farhadi**  
 Visiting Scholar at Johns Hopkins University  
 School of Advanced International Studies  
 and  
**Brad Pupello, M.A.**  
 Senior Human Terrain Analyst for Socio-Cultural Intelligence  
 (SCIA,LLC)  
*“An Integrated Approach: Water and the New Silk Road”*
- 1200 - 1300      **Lunch**



## PATHS FORWARD

**Moderators: Thomas J. Mason, Ph.D. and Thomas L. Crisman, Ph.D.**

- 1300-1345      **Sylvia Lee, M.S.**  
 Manager of Water, Skoll Global Threats Fund  
*“Innovative partnerships to promote regional stability  
 through civil society engagement, new governance structures  
 and information sharing”*
- 1345 - 1430      **Greg Allgood, MSPH, PhD,**  
 Director, Children’s Safe Drinking Water Program,  
 Procter and Gamble  
*“Private Sector Partnerships: Successes and Limitations”*
- 1430 – 1445      **Break**

1445 – 1530

**Melanie Nakagawa, JD, M.A.**

**Counsel**

U.S. Senate Foreign Relations Committee

***“Avoiding Water Wars:***

***Policy Tools and Strategic Implications”***

1530-1615

**Syamak Moattari, MD, Dr.PH**

Independent Global Health Consultant, Boston, MA

***“Hirmand/Helmand International River Basin”***

1615 - 1645

**Swathi Veeravalli, M.S.**

**USACE ERDC , Physical/Social Scientist**

***Conference Synthesis***

1645 – 1700

**Thomas J. Mason, Ph.D., Professor**

**Department of Environmental and Occupational Health**

**Conference Director**

***Closing Remarks***

## **SPONSORS:**

**College of Public Health, University of South Florida**

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