



Newsletter June 2016

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In this month's newsletter:

- 1) [2nd Annual WEF Initiative Symposium](#) October 10-11, 2016
- 2) [Launch of San Antonio Case Studies](#)
- 3) [Call for U.S.-Israel Integrated Energy and Desalination Design Challenge](#)
- 4) [Dresden Nexus Conference](#) (DNC 2017) - SDGs & NEXUS APPROACH

1) Multi Stakeholder Dialogue Symposium: Moving from Science to Policy

College Station, Texas, Oct 10-11, 2016

Goal: Foster new collaborations (including international) and interdisciplinary topics in preparation for the 2017 NSF and DoE agendas. **Assistance needed** please contact wefnexus@tamu.edu if you are interested in being part of the planning team.



Organizing Committee

Rabi Mohtar, WEF Initiative
Philip Berke, Architecture
Shankar Chellam, Civil
Bruce McCarl, Ag Econ
Ari Michelsen, El Paso

Stratos Pistikopoulos, Energy Institute
Kent Portney, Bush School
Kevin Wagner, John Tracy, TWRI
Mary Schweitzer, WEF Initiative

- 2) ***Launch of the San Antonio Case study: Supporting the science for energy-water planning in San Antonio and surrounding regions, as climate alters water supplies.*** Launch of San Antonio Case study Fall 2016, intended to position us for upcoming large proposals including NSF ERC/STC/RCN and DoE opportunities. Please contact wefnexus@tamu.edu if you would like to contribute.

Launch of San Antonio Case studies: Cross cutting issues include **Urbanization** and **Climate Change** – context of tradeoff and decision tool, land use, hazard mitigation, zoning, infrastructure improvement mapping; resilience, etc. **Project Coordinators:** Mohtar, McCarl, Portney, Rosen Supported by M. Schweitzer and B. Daher

Specific projects and activities include:

- **Modeling and Data:** PIs: McCarl, G. Miller (others)
- **Energy efficient, low cost water supply, conservation, and management alternatives;** PIs: Ma, Li, El-Halwagi, Pistikopoulos, Elwany
- **WEF governance: financing and management structures;** PIs: Portney, Mohtar, Berke (others)
- **Tradeoffs and decision support tools;** PIs: Mohtar, McCarl, others
- **Water for food;** PI: Munster, Wagner, Srinu Ale (others)
- **Water for energy;** PI: Holtzappple, Pistikopoulos, C. Dengo, Li (others)

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3) Lab Call for U.S.-Israel Integrated Energy and Desalination Design Challenge

DOE released a U.S.-Israel Integrated Energy and Desalination Design Challenge Lab Call for National Lab-led teams, with opportunities for labs to partner with industry, utilities, academia, nonprofits, and other entities. We also facilitate an informal “matchmaking” process for those interested in partnering with a National Lab to participate in the Design Challenge. Complete information is available at the **announcement websites**:

<http://energy.gov/epsa/articles/us-israel-integrated-energy-and-desalination-design-challenge-lab-call>
<http://energy.gov/epsa/energy-water-nexus>

Through this Challenge, DOE and Israel’s Ministry of National Infrastructure, Energy and Water Resources (MIEW) are encouraging leading engineers in the U.S. and Israel to design a novel integrated energy and desalination system that could be suitable for both countries. The Challenge seeks desalination systems that can flexibly balance their input and output flows of water, electricity, and wastes as required by water demand, electricity system services, and environmental goals. Challenge specifications have been developed jointly by U.S. and Israeli experts.

This Lab Call represents the U.S. side of the Challenge. Applicant teams must be led by a National Laboratory Principal Investigator. A Principal Investigator may lead on only one Concept Paper. However, multiple Principal Investigators from one National Laboratory may submit Concept Papers. Partnerships with outside organizations including industry, utilities, academia, nonprofits, and others are highly encouraged. An optional team matchmaking mechanism is offered to facilitate team building.

The U.S. side of the Challenge will proceed in two phases. In Phase 1, each Applicant team will submit one Concept Paper, due July 6. In Phase 2, up to three teams with promising Concepts will receive funding to complete a Full Design Analysis. There is a parallel competition for Israeli applicants. There will be a joint U.S. and Israel workshop in early 2017 where the U.S. and Israeli Challenge winners will be selected.

More information on the EPSA energy-water initiative website (<http://energy.gov/epsa/energy-water-nexus>)

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[Call for Abstracts for presentations](#)

Dresden Nexus Conference 2017: SDGs & the Nexus Approach - Monitoring & Implementation

Date: 17-19 May 2017

Venue: Deutsche Hygiene Museum Dresden

Under the umbrella “SDGs and the Nexus Approach: Monitoring and Implementation”, the Dresden Nexus Conference 2017 (DNC2017) will focus on **Multifunctional land-use systems** and **Resources management in resilient cities**. Please follow this link to view the call: [Call for Abstracts for presentations](#). It is also available here a [PDF file for download](#). The **deadline for submitting** abstracts is **31 July 2016**.

For more information on the conference theme and stakeholders, we encourage you to visit our website dresden-nexus-conference.org.

Reza Ardakanian

Director of UNU-FLORES

(On behalf of the DNC2017 Organizing Committee)

Contact: wefnexus@tamu.edu