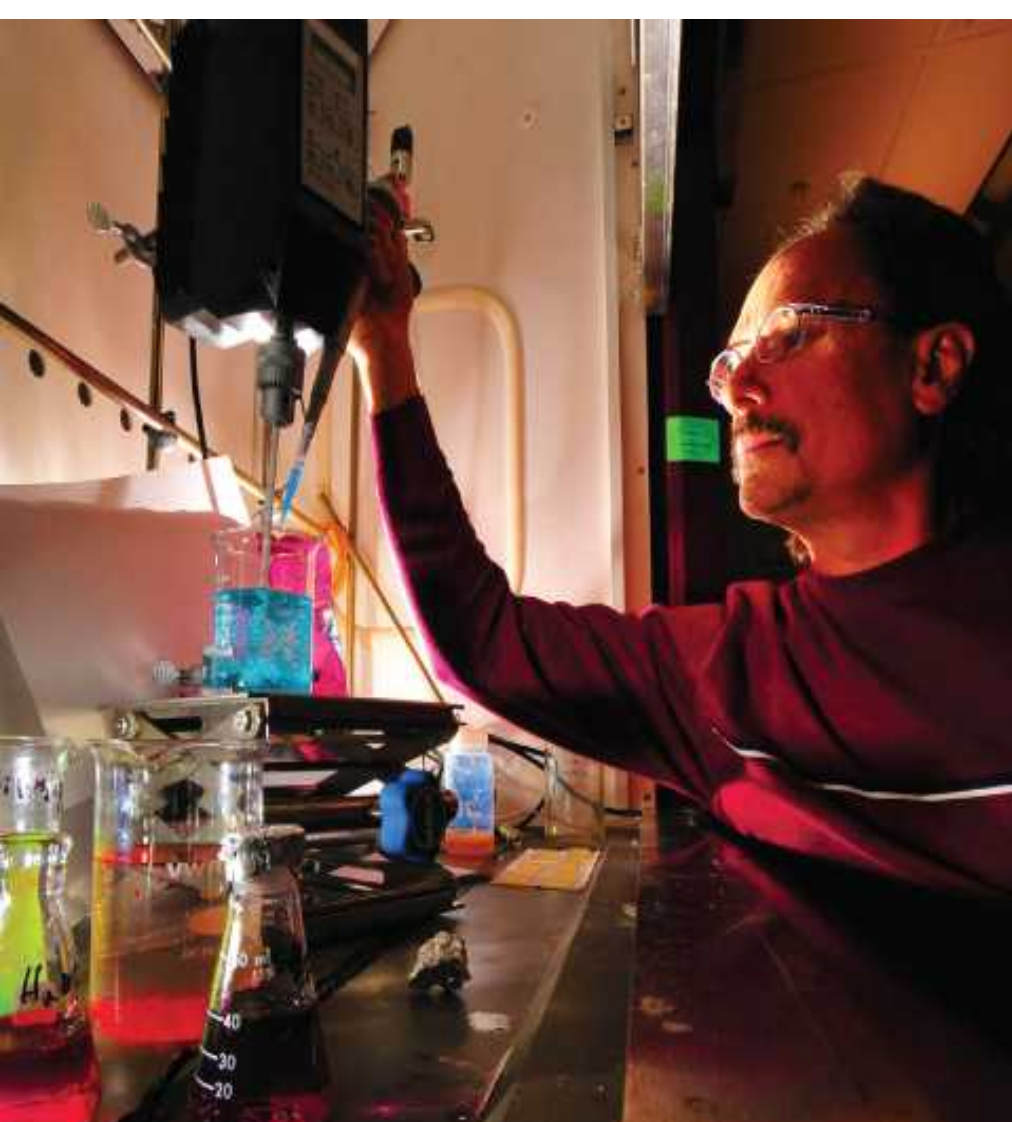


Exceptional service in the national interest



**Sandia
National
Laboratories**



Sandia National Laboratories

Is *proud* to sponsor the
**33rd International
Conference of the
System Dynamics
Society**

July 19-23, 2015



Breadth of Applications

Water Planning and Management

- Middle Rio Grande
- Gila-San Francisco Rivers
- Nambe Indian Pueblo
- Hondo River Basin
- Barton Springs Groundwater Plan

Resource Credit Markets

- Thermal Credits in the Willamette Basin
- Water Leasing in the Mimbres Basin

Liquid Fuels

- Biofuels Feasibility Analysis
- Algae Biofuels Techno-Economic Analysis
- Biofuel Deployment Model
- Hydrogen Futures
- Alternative Liquid Fuels

Energy and Water Nexus

- Transmission Planning in the WECC and ERCOT
- Great Lakes Electricity Planning
- Water, Energy and Carbon Sequestration
- String of Pearls Model – Carbon Sequestration

International

- Water and Land Resources in Iraq
- US-Canada Algae Biofuel
- Libyan Water-Energy-Food
- Water Allocation Canterbury , New Zealand
- China Energy and GH Gas
- India Energy and GH Gas
- Iraq Water-Energy-Food
- The US/Mexico Border Water Management
- The Rainy River
- Spent fuel management

Miscellaneous

- Climate Change Risk Assessment
- US-Mexico Border Permeability
- Cut-off grade determination in potash mining

Electricity

- Electrical Grid Storage Valuation
- Electricity Generation Cost
- Geothermal Energy Analysis
- Water, Energy and Carbon Sequestration
- U.S. Energy and GH Gas
- Renewable Energy Systems & Learning

Sandia National Laboratories at the 33rd International Conference of the System Dynamics Society

We have been a long time sponsor of the conference and hosted the conference in 2009. We have an active System Dynamics Guild at the laboratories and continue to apply system dynamics to a variety of problem domains in order to provide “**exceptional service in the national interest**”.

Our Participation

Newcomer Orientation

***Poster:** Simulating the Neodymium Supply Chain Using Explicit Dynamic Supply and Demand*

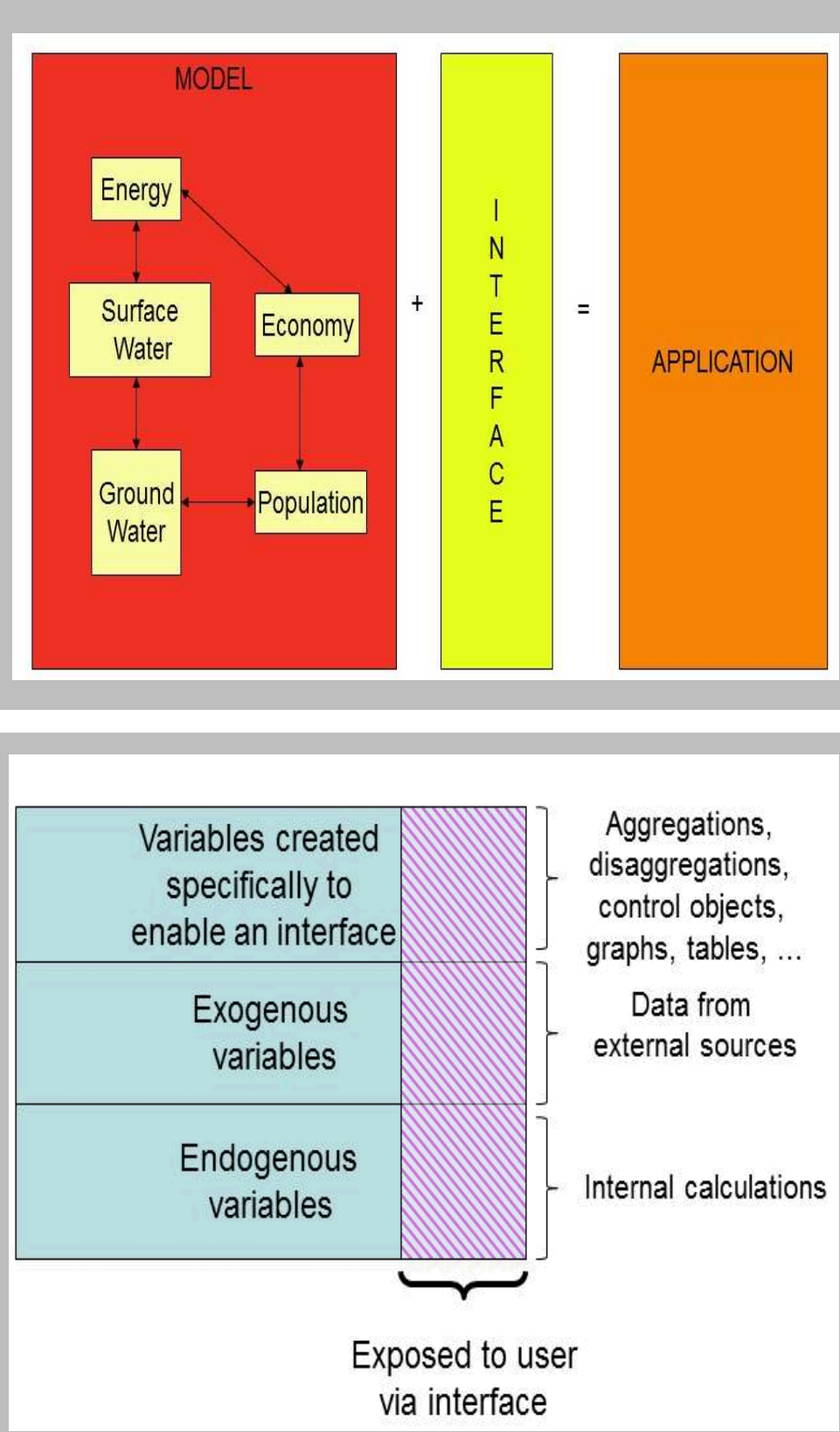
***Poster:** Human Futures: Investigating Resilient Policy in Egypt's Agricultural Sector*

Environmental SIG

Chairing Parallel Sessions:

- Resource Management: Resources and Energy
- Model Description and Public Application
- Integrated Management Approaches

***Workshop:** Getting Started with Powersim Studio*



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