



## WATER ENERGY NEXUS GAME

The Water-Energy Nexus Game gives participants a unique opportunity to get an insight into managing the water needs of energy production. Such insight can lead to improvements in water management leading to improved water systems' resilience. It was developed as a training tool to be used in workshops in Southern African Development Community (SADC) countries.

Participants have to respond to the problem of addressing water needs of population, industry, and agriculture, at the same time facing challenges of climate change. The lessons of the game apply broadly to many interconnected Water-Food-Energy Nexus challenges. Players take up roles of policy makers in two countries that have access to the same river. They have to match the increasing water demand with adequate supply. Achieving this requires establishing of effective collaboration and information exchange between stakeholders both within and between both countries. Since the outcomes of both countries are interconnected the game provides an opportunity for practicing conflict resolution and cooperation at the international level.



Experiencing complexity of Nexus decision making



8-24



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2-3 HRS | DEBRIEFING  
MIN. 1 HOUR

Water-Energy Nexus Game gives players a strategic overview of interconnections between water and energy in the context of security and sustainability at the trans-boundary level.

### Applications

The game was developed in collaboration with the International Institute for Applied Systems Analysis in cooperation with UNDP Cap-Net, SE4All, Water-Net, South Africa Water Research Commission. It is designed as a part of the the capacity development program for energy sector professionals (ministries, power plants, capacity building institutions, etc.) in SADC countries.

**BENEFITS**

- ✓ LEARN ABOUT THE PROBLEM OF BALANCING INCREASING WATER DEMAND AND CONFLICTS BETWEEN DIFFERENT SECTORS AND COUNTRIES AROUND WATER SUPPLY
- ✓ EXPERIENCE PROBLEMS AND OPPORTUNITIES CONNECTED WITH TRANSITIONS IN COMPLEX SYSTEMS WITH MULTIPLE STAKEHOLDERS
- ✓ DISCOVER THE POTENTIAL OF NEW TECHNOLOGIES FOR INCREASING ENERGY AND WATER USE EFFICIENCY
- ✓ PRACTICE COLLABORATION BETWEEN VARIOUS STAKEHOLDERS WITH DIFFERENT GOALS, REPRESENTING DIFFERENT ORGANIZATIONS



Information sharing, collaboration and communication between various stakeholders is a key element of the Water-Energy Nexus Game

**CONTACT US**



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