



WATER ENERGY NEXUS GAME

The Water-Energy Nexus Game gives participants unique opportunity to get insight into managing the water needs of energy production/generation and improve water management to reduce water systems vulnerability. It was developed as a training tool to be used in workshops in countries that are members of Southern African Development Community (SADC).

Participants have to respond to the problem of addressing population, industry and agriculture needs, reacting to climate change, all in the context of water and energy security. Players take up roles of various decision and policy makers in two countries that have access to the same river. They have to balance water and energy supply with demand. Achieving this requires establishing effective collaboration and information exchange between stakeholders within one country. Still outcomes of both countries are interconnected which creates the opportunity for conflict and cooperation on the international level.



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

Water-Energy Nexus Game gives players a strategic overview of the interconnections between water and energy supply and consumption in the context of current problems of SADC countries.

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.



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PLAYER

8-24



MODERATOR

1



2-3 HRS | DEBRIEFING
MIN. 1 HOUR

BENEFITS

- ✓ LEARN ABOUT THE PROBLEM OF BALANCING ENERGY SUPPLY AND DEMAND WITH WATER AVAILABILITY
- ✓ EXPERIENCE PROBLEMS AND OPPORTUNITIES CONNECTED WITH TRANSITIONS IN COMPLEX SYSTEMS HOSTING MULTIPLE STAKEHOLDERS
- ✓ DISCOVER POTENTIAL OF NEW TECHNOLOGIES ON INCREASING ENERGY AND WATER USE EFFICIENCY
- ✓ LEARN COLLABORATION BETWEEN VARIOUS STAKEHOLDERS WITH DIFFERENT GOALS FOR DIFFERENT INSTITUTIONS (SHARING INFORMATION, BETTER DECISIONS, COMMUNICATION, AND SPENDING)

CONTACT US



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