Climate, Land, Energy & Water systems: a Global Model

Understanding the Contribution of Modelling Tools for Sustainable Development

MODULE:
CLEWS GLOBAL MODEL

Assessing climate, land, energy and water systems with a global model

Group Discussion B

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GROUP DISCUSSION B: ASSESSING CLIMATE, LAND, ENERGY AND WATER SYSTEMS WITH A GLOBAL MODEL, HANDS-ON EXERCISE

GROUP DISCUSSION

After a brief presentation, participants will explore the CLEWS online tool to analyse the interlinkages between climate, land use, water and energy.

LEARNING OBJECTIVES

- Understand the contributions of the integrated assessment of sustainable development at the global scale and its limitations for national policymaking.
- Identify the potential contribution of the suite of modelling tools to policy decisions that both retain sector pertinence and make links across sectors.

DIRECTIONS

1. Make groups of four (maximum five) people.
2. Go to: https://unite.un.org/sites/unite.un.org/files/app-globalclews-v-1-0/landingpage.html.
3. Explore the results for the baseline scenario.

   - Develop a brief narrative of the main developments.

4. Explore the results of the 2 degree scenario.

   - Develop a brief narrative explaining how the 2 degree target is met (i.e., what are the changes from the baseline?).

   - What are the trade-offs with other policy goals (i.e., what is the "price" we must pay for the carbon reductions)?

   - Are these trade-offs inevitable or can they be addressed through policy?

5. Think of a couple of weaknesses of this analysis or questions left unanswered.

   - What additional analytic work (e.g., scenarios) would you recommend to remedy this?

6. Participants will make a small presentation of no more than three minutes to discuss their conclusions in a plenary session.