Tools and methods that help decision-makers identify and act on climate / SDGs synergies

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SOCIAL SIMULATIONS

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AMBIGUITY
I’m sure glad the hole isn’t in our end.
How to work with complexity?
“Here’s where you give me non-comprehending nods of approval.”
Can Scientists and Policy Makers work together?

Different Approaches to Decision-making

"Thinking first" features the qualities of

- science
- planning, programming
- the verbal facts

"Seeing first" features the qualities of

- art
- visioning, imagining
- the visual ideas

"Doing first" features the qualities of

- craft
- venturing, learning
- the visceral experiences

Bridging the Gap
ACTIVE & EXPERIENTIAL
Reflexive ...

... and conceptual
PROBLEM-ORIENTED

SYSTEMS THINKING
PEOPLE-ORIENTED

COMMUNICATION & COLLABORATION
THE WORLD’S FUTURE
A SUSTAINABLE DEVELOPMENT GOALS GAME

1. NO POVERTY
2. ZERO HUNGER
3. GOOD HEALTH AND WELL-BEING
4. QUALITY EDUCATION
5. GENDER EQUALITY
6. CLEAN WATER AND SANITATION
7. AFFORDABLE AND CLEAN ENERGY
8. DECENT WORK AND ECONOMIC GROWTH
9. INDUSTRY, INNOVATION AND INFRASTRUCTURE
10. REDUCED INEQUALITIES
11. SUSTAINABLE CITIES AND COMMUNITIES
12. RESPONSIBLE CONSUMPTION AND PRODUCTION
13. CLIMATE ACTION
14. LIFE BELOW WATER
15. LIFE ON LAND
16. PEACE, JUSTICE AND STRONG INSTITUTIONS
Recommended moderator setup for online workshops
Exploring synergies and trade-offs between policies affecting water, energy, and land.
Simulation games as a catalyst for social learning: The case of the water-food-energy nexus game

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What have you learned from the simulation?

- Governance, Policy and Politics: 39
- Economy: 19
- Technology: 12
- Environment: 45
- Society: 82
- Psychology: 15
- System thinking: 132
Has this experience inspired you to take action in the real world?

- Governance, Policy and Politics: 60
- Economy: 2
- Technology: 5
- Environment: 11
- Society: 10
- Psychology: 19
- System thinking: 32
“I was surprised by how engaging the Nexus Game was! Serious games are a valuable tool to get people to see something from different perspective and to play different roles to see the larger picture and experiment in a risk-free environment.

“Such exercises can build trust and understanding.”
Application of the Policy Simulation
INDUS RIVER BASIN
Social Simulations ...

... around the World
Tell me and I forget,
Show me and I may remember,
Engage me and I will understand.

Xunzi
SOCIAL SIMULATIONS

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