

# **Water-Energy-Food (WEF) Security in the context of Mining Overview**

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**Dimple Roy**

# The International Institute for Sustainable Development (IISD)

- Independent, non-profit organization that undertakes policy analysis to help governments, institutions and companies make tangible advances in the development and implementation of policies that promote equity and a healthy planet
- Areas of focus: resilience, economic law and policy, energy, water and knowledge for integrated decisions
- Based in Canada with approximately 200 staff and associates, and offices in Winnipeg, Ottawa, Geneva, New York and Beijing



# IISD: Programs of Work

IISD'S PROGRAMS				SERVICES
	Energy	Water	Resilience	Reporting Services
<b>Economic Law &amp; Policy</b> <ul style="list-style-type: none"> <li>• Investment</li> <li>• Sustainability Standards</li> <li>• Public Procurement &amp; Infrastructure</li> <li>• Finance Sector Reform</li> <li>• Green Industrial Policy</li> </ul>	<ul style="list-style-type: none"> <li>• Subsidies</li> <li>• Climate Mitigation</li> <li>• Electricity</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Bridging science and water policy (IISD-ELA)</b></li> <li>• <b>Watersheds &amp; Bioeconomy</b></li> <li>• <b>Water-Energy-Food</b></li> </ul>	<ul style="list-style-type: none"> <li>• Climate Adaptation</li> <li>• Fragile States</li> <li>• Food Systems</li> </ul>	<ul style="list-style-type: none"> <li>• Earth Negotiations Bulletin</li> <li>• Knowledge Management</li> </ul>
<b>Knowledge for Integrated Decisions</b>				
<ul style="list-style-type: none"> <li>• <b>Indicators &amp; Measurement</b></li> <li>• <b>Foresight &amp; Scenarios</b></li> <li>• <b>Adaptive Planning</b></li> <li>• <b>Alternative Progress Measurement</b></li> </ul>				

# Sustainable Development and WEF

- Sustainable Development aims to balance social, economic and environmental needs for now and into the future.
- WEF constitute critical and most important aspects of sustainable development and human security.

## Sustainable Development (SD)



## WEF Security

WEF Security entails availability & access to WEF sources, and the existence, efficiency and effectiveness of supporting infrastructure, institutions and policies.

# WEF Suriname: Project Background

## Project Objectives:

- Inter Government Forum on Mining (IGF)
- Interest in understanding the specific linkages between mining, environment and society as they contribute to WEF security
- IISD work to provide guidance to regional development and government to reduce risks and improve possible benefits to local water-energy-food security.
- Generalise the processes and enable replication in other IGF countries.

# WEF Suriname: Project Acknowledgements



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et Développement Canada



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# Workshop Overview

## Day 1

Morning

Why is WEF important and what does it mean?  
WEF management in the context of mining, the need for monitoring and indicators.

Assessing the current status of WEF security in a region

Afternoon

Assessing the status of infrastructure (built & natural) and supporting policies to support WEF security

Potential benefits and impacts of mining on WEF security

## Day 2

Morning

Actions for realizing benefits and mitigating impacts of mining in WEF security

Indicators for tracking status and trends

Afternoon

Creating a summary for decision-makers and others

Introduction to water quality monitoring in the context of WEF security

Wrap-up and feedback

# Introductions

- Name
- Affiliation
- Interest in WEF/Mining?

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