KGID 2O25 **Green Growth: The Path to Sustainable Jobs**

Session 7:
AI and Emerging Technologies Driving Green Growth

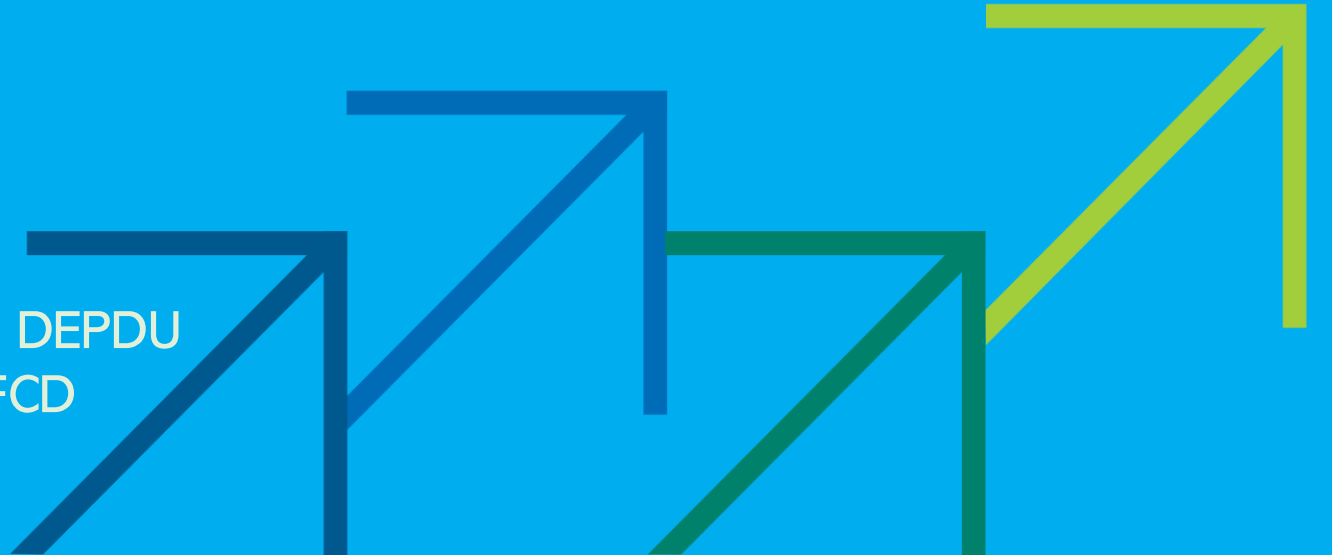*Results and Insights from KGGTF Grant:*

Shared Data and AI Platforms: Foundations for Climate Action

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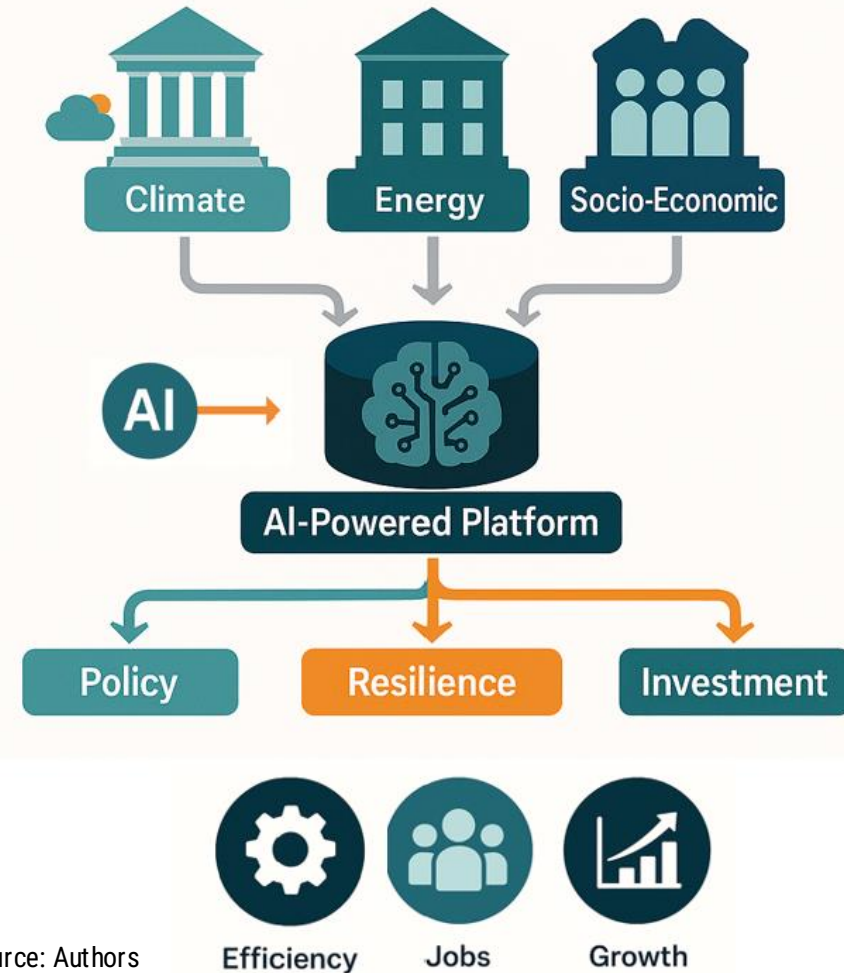# From Climate Data Gaps to AI-Driven Action

- Only **8% of global climate data** is openly shared and machine-readable.

- Climate impacts cost developing countries **up to 5% of GDP annually**.

- Imagine turning every weather station, satellite image, and emissions record and more into **AI insights for resilience and growth**.

Shared Data Platforms in Practice
Integrating Climate, Energy, and Socio-Economic Data

Climate — Energy — Socio-Economic

AI → AI-Powered Platform

Policy — Resilience — Investment

Efficiency — Jobs — Growth

Source: Authors

Strengthening Data Sharing for AI-Enabled Climate Platforms

Challenges with Data Sharing

- **Fragmented & inaccessible climate data**

- **Inadequate digital infrastructure** and institutional capacity

- **Governance challenges** & weak trust frameworks

- **Limited data quality** and standardization.
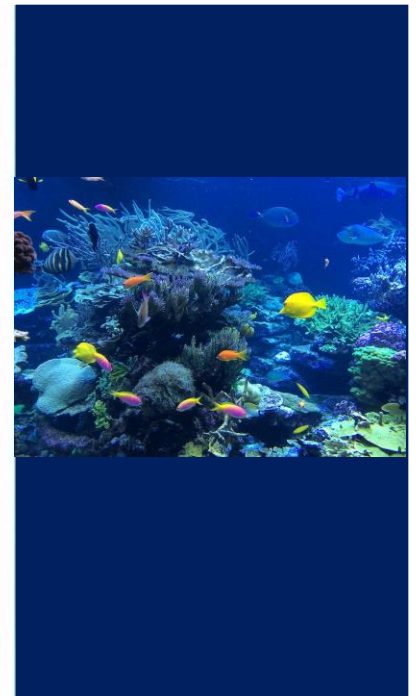
Activity Components

- **Assess data-sharing governance** for AI-driven climate action.

- **Research global best practices** to guide platform interoperability.

- **Develop a diagnostic tool** with visual analytics to identify gaps and opportunities.

- **Deliver an action roadmap** with short-, medium-, and long-term priorities

Assessment Framework and Diagnostic Tool

- To develop a **diagnostic tool** that asks a series of questions, provides results through a score, visualizations, recommendations and reporting to understand holistically a country's readiness to develop a **data sharing platform for Climate action**.

- Six categories for questions:
  - Governance
  - Data availability, standards and quality
  - Institutional capacity
  - Digital infrastructure
  - Technology and tools
  - Stakeholder engagement

Home   Questionnaire   Help

Assessing Country Readiness for Climate Data Sharing

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Questionnaire   Learn More

The Maldives: why coral reefs are important ?

Approx. 25% of all marine life, including over 4,000 species of fish, are dependent on them

Complex and Fragile: Water temps, salinity, acidity, runoff, physical damage, etc.

**Tourism
Fisheries
Sustainability**

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World Bank Engagement:

Digital Maldives for Adaptation, Decentralization and Diversification Project (P177040) - US$10 million

Components:
1. Improved digital connectivity & competitiveness
2. Digital identification for improved in-person & online service delivery
3. **Digital technologies & data platform for climate resilience**
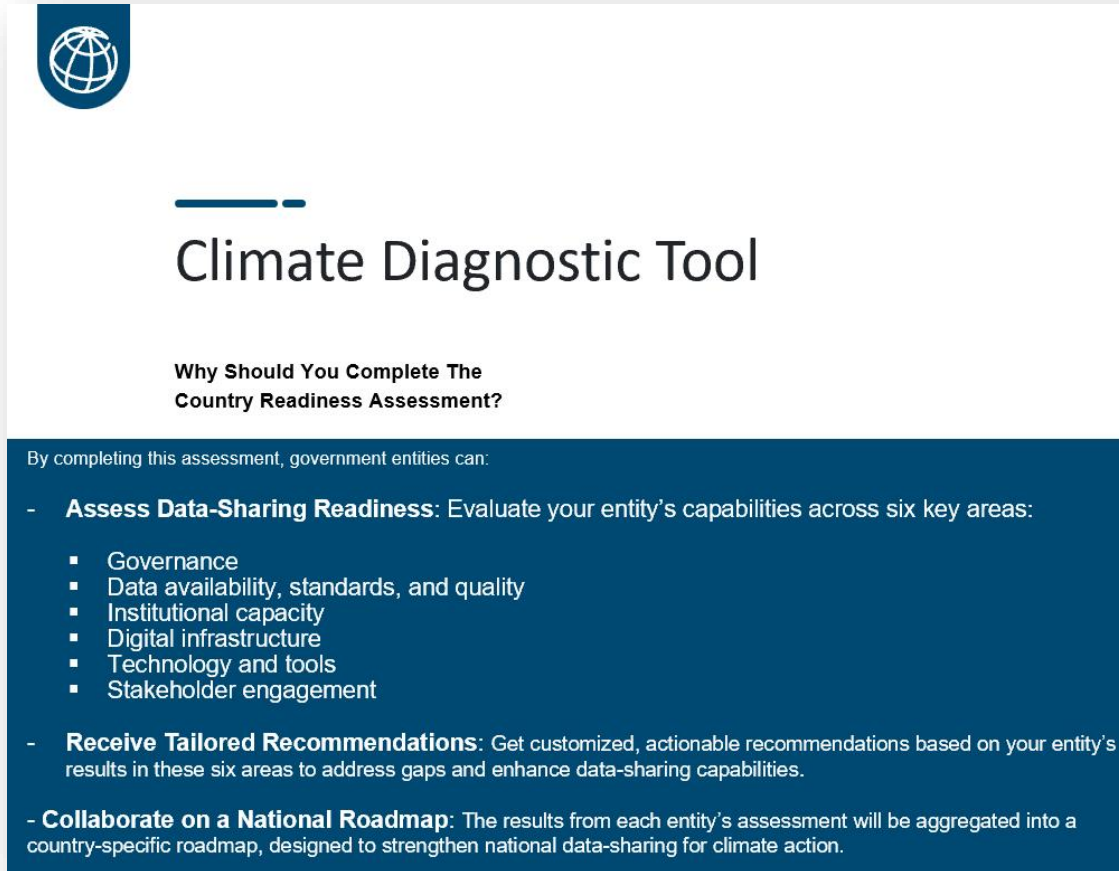
Scaling Impact Globally:
From Pilot to Platform for Sustainable Jobs

Climate Diagnostic Tool and AI platforms are digital public goods for climate and economic resilience.

Scaling this approach will:

- Accelerate climate-smart investments and job creation.

- Strengthen data-driven policy ecosystems.

- Support resilient infrastructure planning.

Climate Diagnostic Tool

Why Should You Complete The Country Readiness Assessment?

By completing this assessment, government entities can:

- **Assess Data-Sharing Readiness**: Evaluate your entity's capabilities across six key areas:

  - Governance
  - Data availability, standards, and quality
  - Institutional capacity
  - Digital infrastructure
  - Technology and tools
  - Stakeholder engagement

- **Receive Tailored Recommendations**: Get customized, actionable recommendations based on your entity's results in these six areas to address gaps and enhance data-sharing capabilities.

- **Collaborate on a National Roadmap**: The results from each entity's assessment will be aggregated into a country-specific roadmap, designed to strengthen national data-sharing for climate action.
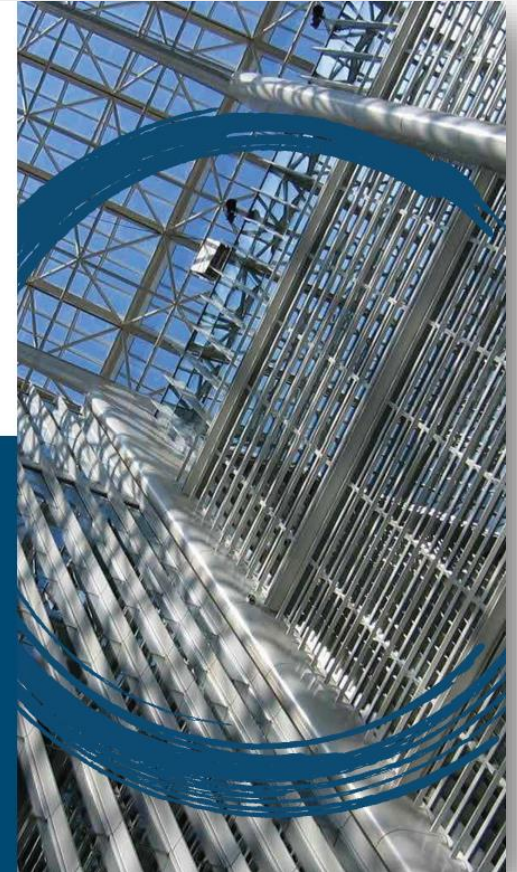
Through KGGTF support, the World Bank is helping countries build the digital foundations for green, inclusive growth

Thank You

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