The 7th Greenhouse Gas Inventory System Training



Workshop

National Data Governance for BTRs: Institutional Frameworks and Challenges

16 July 2025

Jaypalsinh Chauhan

Asia Transparency Network Coordinador

Executed by:



copenhagen climate centre Funded by:









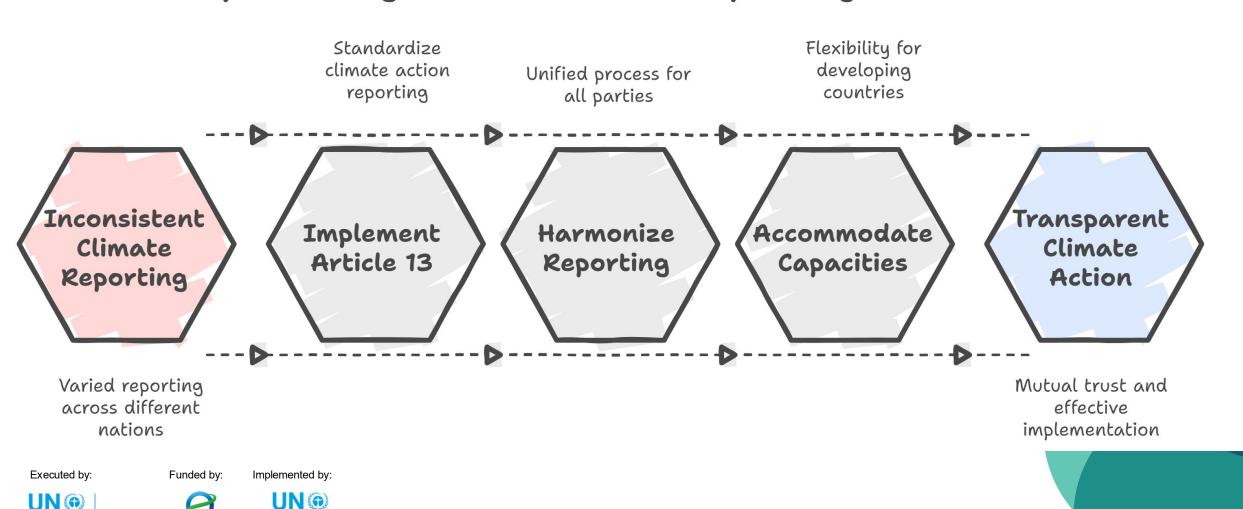




The Imperative of Transparency: BTRs and the Role of Data Governance



Implementing the Enhanced Transparency Framework



Relevant provisions in MPGs



Each Party **should** implement and maintain national inventory arrangements....

 national inventory arrangements can vary by Party depending on their national circumstances and change over time. Each Party <u>shall</u> report on the following functions related to inventory planning, preparation and management:

- Its national entity or national focal point with overall responsibility for the national inventory;
- Its **inventory preparation process**, including division of specific responsibilities of institutions participating in the inventory preparation...
- Its archiving of all information for the reported time series, including all disaggregated emission factors and activity data, all documentation about generating and aggregating data, including quality assurance/quality control (QA/QC), review results and planned inventory improvements;
- Its processes for the official consideration and approval of the inventory.

Executed by:

Eupdod by

Implemented by









The Imperative of Transparency: BTRs and the Role



What is Data Governance? Defining the policies, procedures, and institutional arrangements for managing data assets to ensure their availability, usability, integrity, and security.

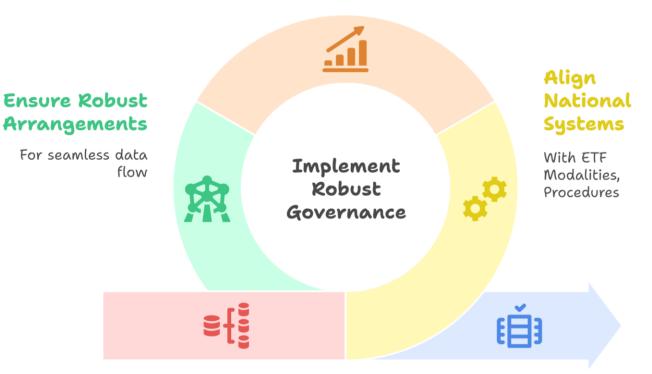
Why Data Governance for BTRs?

of Data Governance

- Ensures the quality and integrity of underlying data
- Addresses potential data gaps
- Enhances technical capacity for complex reporting
- Ensures robust institutional arrangements for seamless data flow and governance

Enhance Technical Capacity

For complex reporting areas



Poor Data Governance

Compromised BTR data quality

Improved Data Governance

High-quality BTR data achieved





Funded by:

Implemented by:



TACCC: The Cornerstones of Credible BTR Data



- The foundational principles of Transparency, Accuracy, Consistency, Comparability, and Completeness (TACCC) are paramount for all reported data.
- Adherence to these principles directly ensures the credibility of reports and facilitates an effective and facilitative technical review process.

Credible BTR Data Principles

Completeness

All relevant data and information must be included.

Comparability

Allows for meaningful comparisons across countries and time.



Transparency

Clearly explain all assumptions and methodologies used.

Accuracy

Data should be precise, unbiased, and free from error.

Consistency

Methodologies and data must be coherent over time.









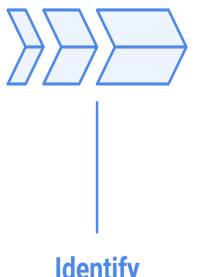
Funded by:





Key Components of Effective Institutional Arrangements





Identify Institutional Arrangements

Recognizing the need for structured frameworks

Design with ETF Evolution

Planning for continuous improvement in systems

Establish National Coordination Entity

Creating a body for overall BTR process coordination

Form Steering Committees

Setting up high-level committees for strategic direction

Organize Technical Working Groups

Establishing sectorspecific groups for data management

Engage Data Providers

Involving institutions and stakeholders for data supply

Structuring Institutional Arrangements



Institutional Arrangement Considerations

Capitalize on Datasets

Use existing datasets and collection processes. This creates synergies with SDG monitoring.







Cross-cutting nature

Managing data across transparency themes is important. This ensures a holistic approach to data governance.

Common Responsibilities

Define common roles for key stakeholders. This ensures effective collaboration and data provision.



Stakeholder Identification

Identify stakeholders and define their roles. This promotes clarity and accountability in data management.



Legal and Regulatory Frameworks



Conflict Resolution Mechanisms

Provides mechanisms for resolving conflicts and addressing challenges in data collection.

Legal and Regulatory Frameworks

Institutional Roles and Responsibilities

Clearly defines the roles and responsibilities of institutions involved in the BTR process.

Data Privacy and Transparency

Ensures compliance with data privacy while promoting transparency.

Data Sharing Agreements

Establishes
protocols for data
sharing between
government
agencies and
stakeholders.



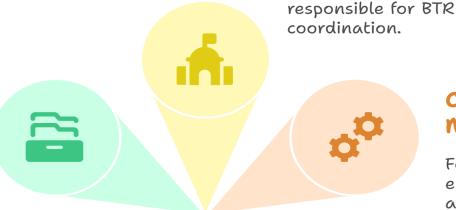
Key Institutional Elements



National Entity A mandated body

Documentation
Systems

Systems for storing historical data and methodologies.



Coordination Mechanisms

Formal structures to ensure data flow between agencies.

QA/QC Processes

Protocols for verifying data accuracy and consistency.





Regulatory Frameworks

Laws and policies supporting data collection for reporting.



Agreements between providers and the reporting entity.





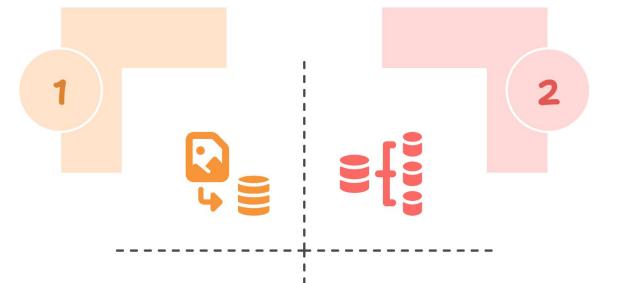
Navigating the Landscape: Common Data Challenges in Asia



Data-Related Challenges in Asia's ETF Transition

Data Acquisition and Availability

Difficulties in data acquisition pose a high impact challenge.

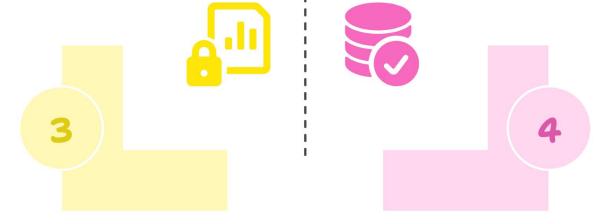


Technical and Methodological Complexities

Navigating complex data processing significantly impacts ETF transition.

Data Confidentiality

Balancing transparency with confidentiality has minimal complexity.



Data Quality and Consistency

Ensuring data quality involves complex but less impactful processes.



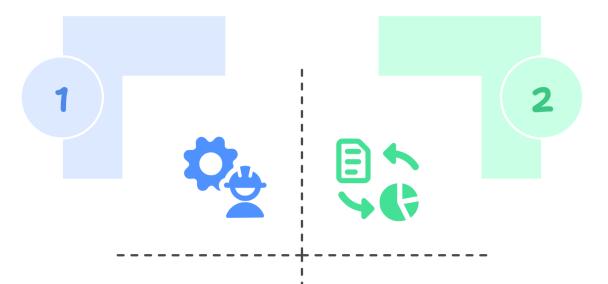
Navigating the Landscape: Common Data Challenges in Asia



Institutional and Capacity Challenges in Developing Countries

Technical Expertise but Institutional Weakness

Technical skills are present, but institutional frameworks are lacking.



Effective BTR Implementation

Strong institutions and technical expertise ensure successful BTR implementation.

Severe Capacity Deficiencies

Both institutional and technical capacities are severely deficient.



Institutional Strength but Technical Gaps

Institutions are robust, but technical expertise needs improvement.





Enhancing Institutional Frameworks for BTR Data Governance









Establish Clear Governance Structures

Develop comprehensive governance structures with defined roles and responsibilities

Formalize Institutional Arrangements

Institutionalize arrangements through legal instruments or agreements

Promote Interinstitutional Coordination

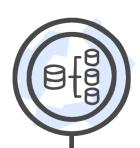
Enhance
coordination
between
institutions
through regular
meetings and
planning

Engage Stakeholders

Involve various stakeholders in the BTR process for comprehensive data collection



Improving Data Management Systems









Develop Integrated Data Systems

Establish systems for seamless data flow

Implement Data Quality Frameworks

Adopt frameworks for data profiling and governance

Standardize Data Formats and Methodologies

Harmonize data formats for consistency

Leverage Digital Technologies

Utilize digital tools for streamlined processes



Building Capacity for BTR Data Governance









Develop Technical Expertise

Invest in training programs and workshops

Establish Communities of Practice

Create platforms for experts to share knowledge

Promote South-South Cooperation

Facilitate collaboration between countries

Leverage International Support

Utilize mechanisms like CBIT for capacity enhancement



Ensuring Sustainability and Continuous Improvement in BTR Data Governance









Institutionalize Processes

Embed BTR processes within regular government operations

Develop Long-term Strategies

Create long-term strategies for BTR implementation

Implement Feedback Mechanisms

Establish mechanisms for regular review and feedback

Document Lessons Learned

Systematically document experiences and lessons learned

Towards a Transparent Future: Your Role in BTR Success



Prioritize Data Governance

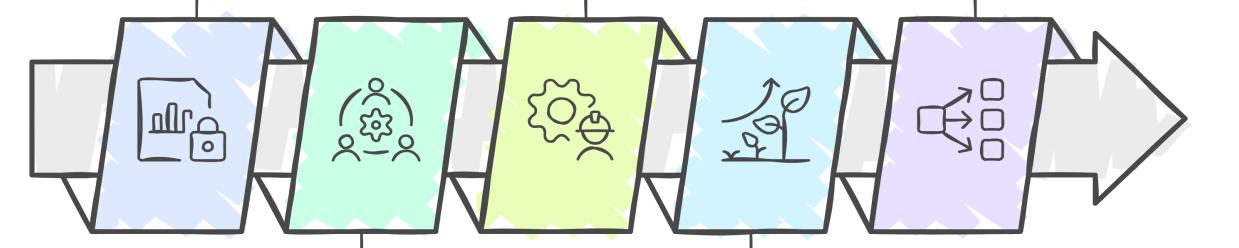
Recognize and allocate resources for data governance

Invest in Capacity Building

Dedicate resources to build technical expertise

Leverage Support Mechanisms

Utilize available support mechanisms



Strengthen Collaboration

Enhance cooperation between institutions and stakeholders

Learn and Adapt

Continuously learn and adapt approaches

Thank you for your attention!





Welcome to the Climate Transparency Platform

LEARN MORE

Please reach out to us for any question, comments or suggestions!



Asia Network Coordinator

Jaypalsinh CHAUHAN jaypalsinh.chauhan@un.org



Global Project Manager

Denis Desgain denis.desgain@un.org



Transparency Advisor

Khetsiwe KHUMALO khetsiwe.khumalo@un.org



Project Officer

Susanne KONRAD susanne.konrad@un.org

Executed by:

cuted by: Funded

Funded by:

Implemented by:







