Session 2: Design of the Inventory Improvement Plan to facilitate improved reporting and transparency over time



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Key Elements of an Effective Improvement Plan

Why Create an Inventory Improvement Plan?

- Transitions inventory from compliance exercise to strategic tool
- Provides structured approach to enhancing quality and transparency
- Ensures continuity across inventory cycles

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- Facilitates resource planning and justification
- Demonstrates commitment to **improvement** in BTR reporting





Assessing Current Status





Define Objectives

SMART Objectives

Core principles for effective goal setting

Example Objectives: Transition key category X from Time-bound 6 Clear deadlines Tier 1 to Tier 2 by 2027 Reduce uncertainty in transport emissions by 15% by 2028 5 Establish automated QA/QC 3 checks for all categories by 2029 4 Relevant Complete time series consistency Aligned with ETF requirements for 1990-2024 by next inventory

Specific

Clearly defined targets

Measurable

Quantifiable success indicators

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Achievable Realistic given resources

Prioritization Strategies



Prioritization Matrix: Effort Priority Examples Impact Required Key category improvements, High High Low uncertainty reduction Documentation enhancements, data Medium Medium Medium management Minor categories, long-term High Low Low structural changes

Consider Emissions Profile

Analyze contribution to national emissions



Meet ETF Requirements

Ensure compliance with regulations

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Developing the Improvement Plan

Case Example: Energy Sector Improvement

Aspect	Details
Improvement	Transition from Tier 1 to Tier 2 for fuel combustion in power generation
Rationale	Key category (35% of national emissions); High uncertainty (±25%)
Activities	 Develop data collection framework for plant-specific data Conduct survey of major power plants Develop country-specific emission factors Implement new calculation methodology
Timeline	Q3 2025 - Q2 2027
Resources	Technical expert (6 person-months); Survey costs (\$15,000); Lab analysis (\$10,000)
Stakeholders	Ministry of Energy; Electricity utilities; Statistical office; Research institutes
Success Metrics	Reduced uncertainty (target: ±10%); Complete plant- specific data for facilities >25MW



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Tracking Progress and Impact

Implementation Strategies

Phased Approach:

- Start with "quick wins" to build momentum
- Plan long-term structural improvements
- Align with BTR reporting cycles

Cross-cutting Improvements:

- Data management systems
- QA/QC procedures
- Documentation standards
- Training and capacity building





Key Success Factors

1. Institutional Commitment

- Secure high-level support
- Integrate into institutional workplans
- Allocate dedicated resources

2. Stakeholder Engagement

- Involve data providers early
- Ensure cross-sectoral coordination
- Maintain regular communication

3. Realistic Planning

- Match ambition to available resources
- Start with manageable improvements
- Build on existing strengths
- 4. Documentation and Knowledge Management
- Document methodologies thoroughly
- Maintain institutional memory
- Share lessons learned



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Institutional Commitment

Secures high-level support and resources



Stakeholder Engagement

Involves data providers and ensures coordination



Realistic Planning

Matches ambition with available resources



Documentation and Knowledge Management

Documents methodologies and shares lessons

Conclusion: Building a Culture of Continuous Improvement







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