

The 7th Greenhouse Gas Inventory System Training Workshop

**Design of the Inventory
Improvement Plan to facilitate
improved reporting and transparency
over time**

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MPGs, point D: Facilitating improved reporting and transparency over time

7. To facilitate continuous improvement, each Party should, to the extent possible, identify, regularly update and include as part of its biennial transparency report information on areas of improvement in relation to its reporting

- (a) Areas of improvement identified by the Party and the technical expert review team in relation to the Party's implementation of Article 13 of the Paris Agreement;
- (b) How the Party is addressing or intends to address areas of improvement as referred to in paragraph 7(a) above, as appropriate;
- (c) Those developing country Parties that need flexibility in the light of their capacities are encouraged to highlight the areas of improvement that are related to the flexibility provisions used;
- (d) Identification of reporting-related capacity-building support needs, including those referred to in paragraph 6 above, and any progress made, including those previously identified as part of the technical expert review referred to in chapter VII below.

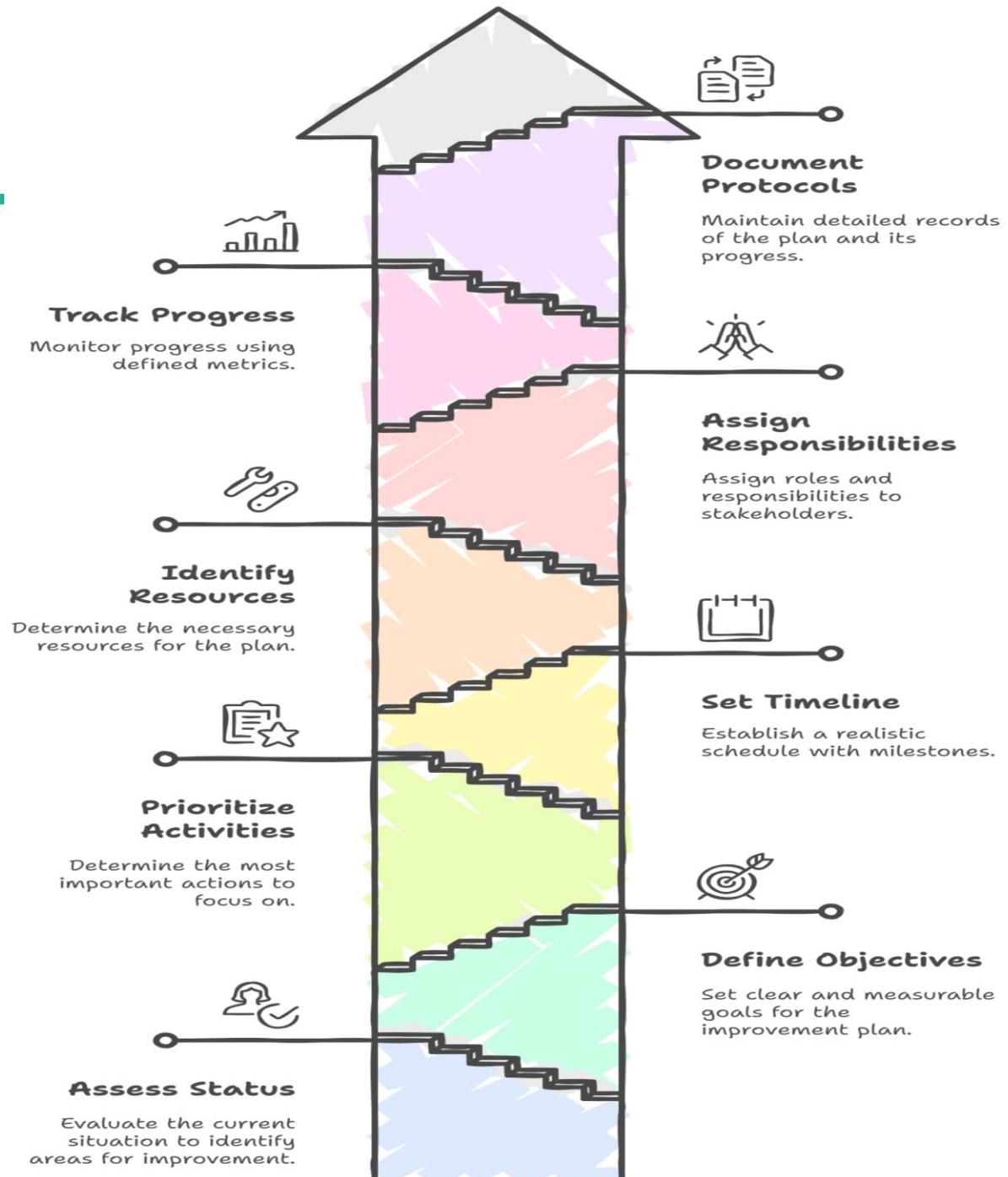
Stages to be considered in an Inventory workplan



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



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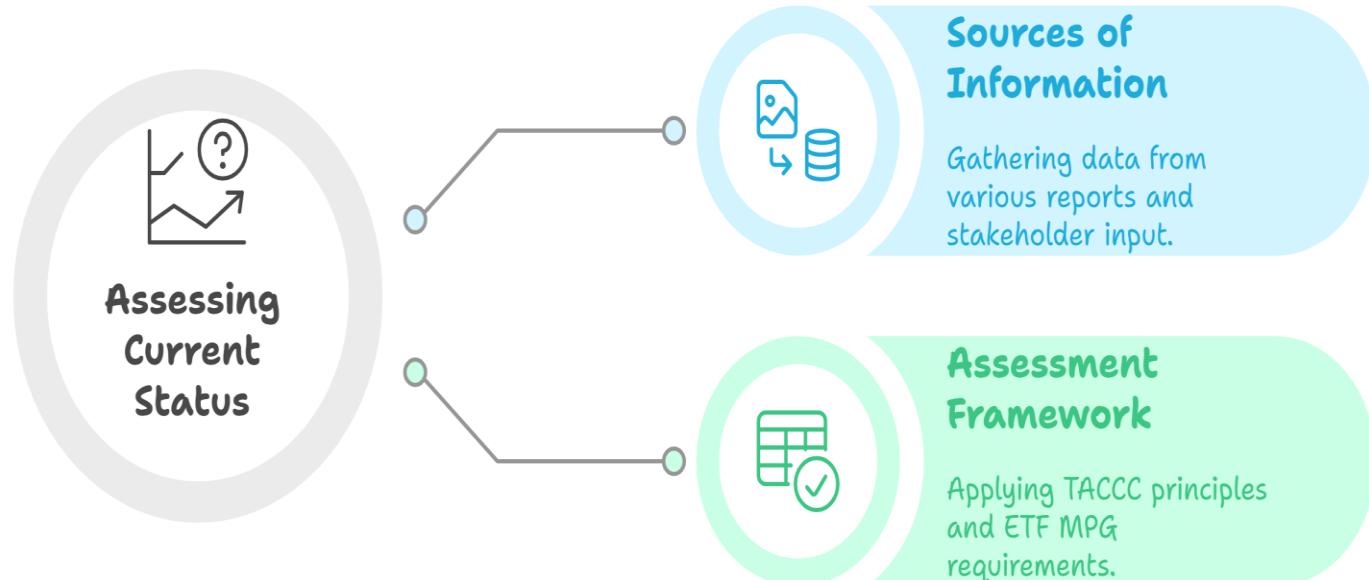
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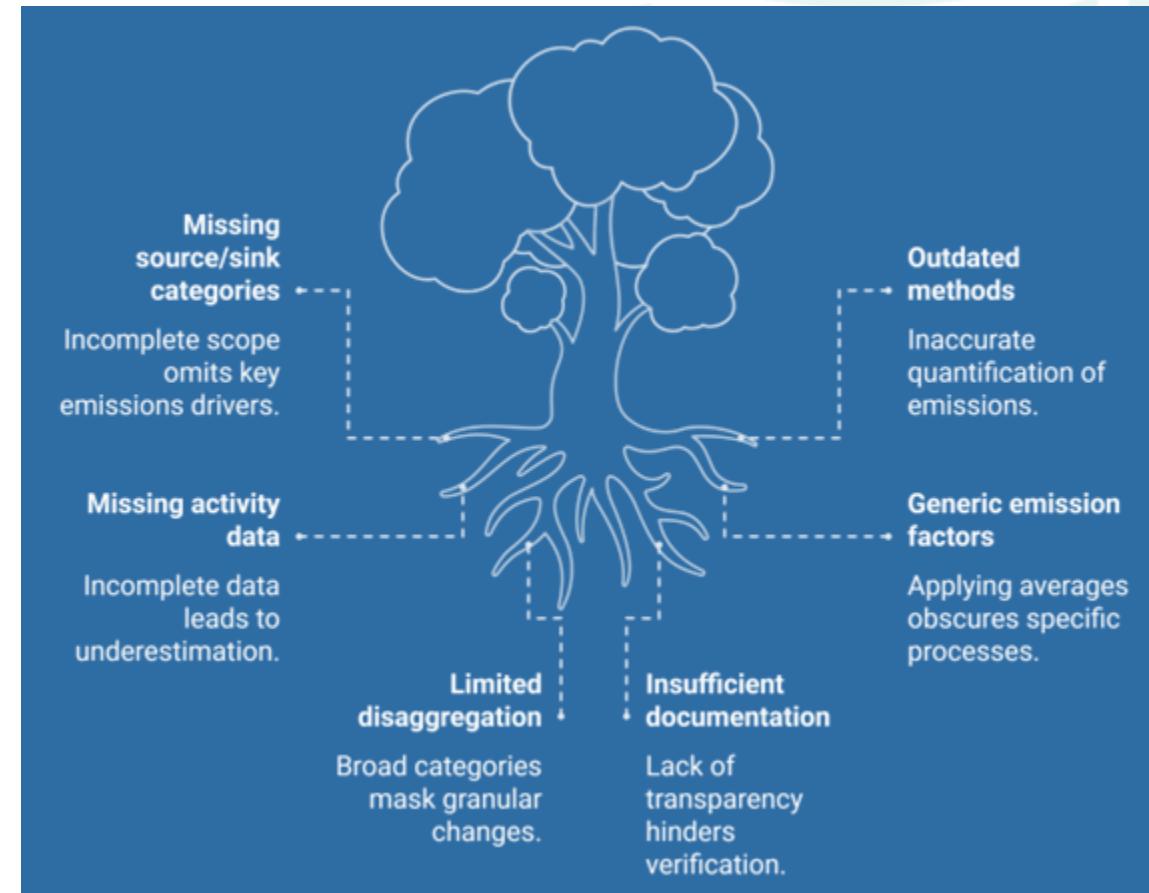
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Assessing Current Status



Diagnostics: Identifying Improvement Needs



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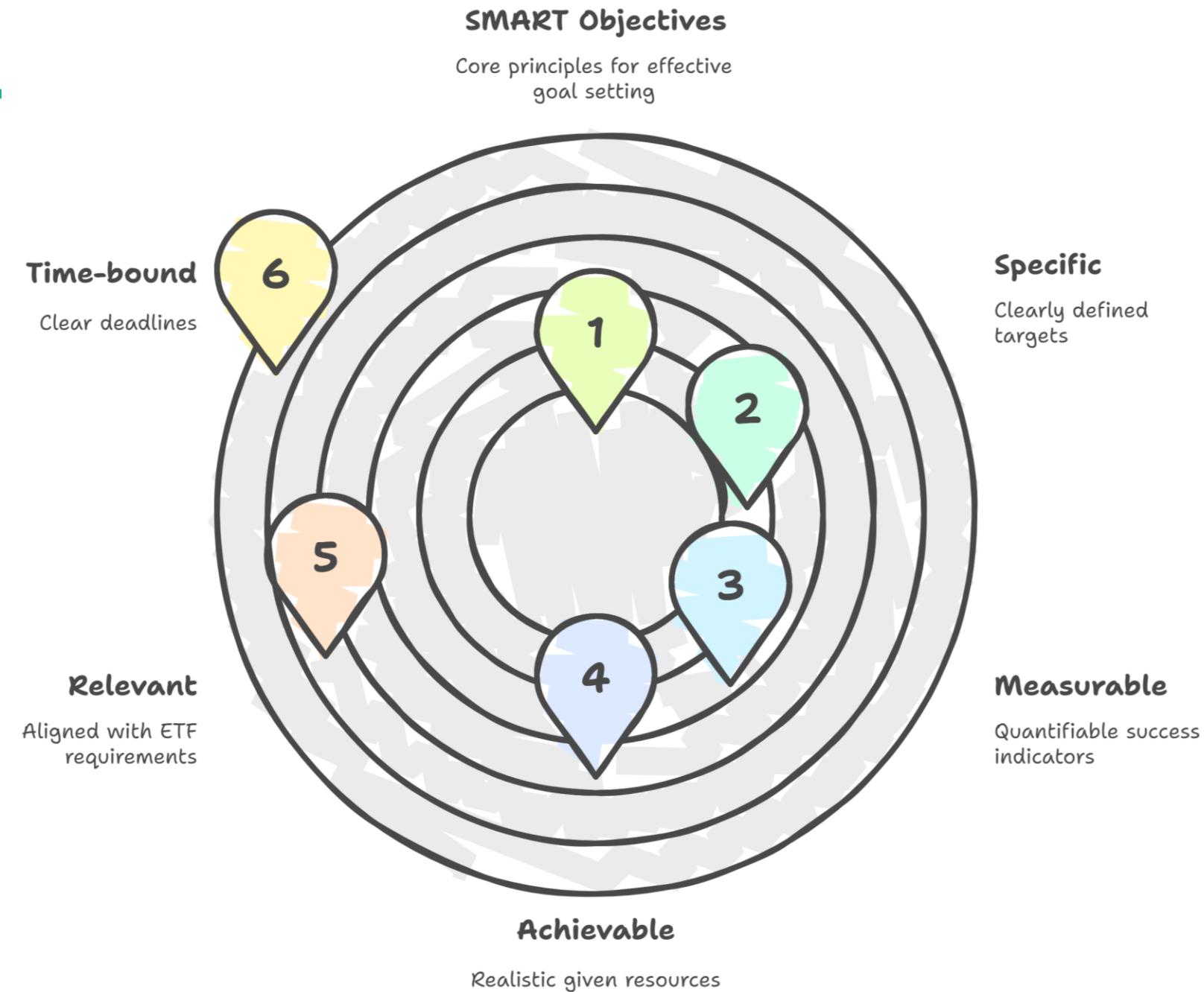
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Define Objectives

Example Objectives:

- Transition key category X from Tier 1 to Tier 2 by 2027
- Reduce uncertainty in transport emissions by 15% by 2028
- Establish automated QA/QC checks for all categories by 2029
- Complete time series consistency for 1990-2024 by next inventory



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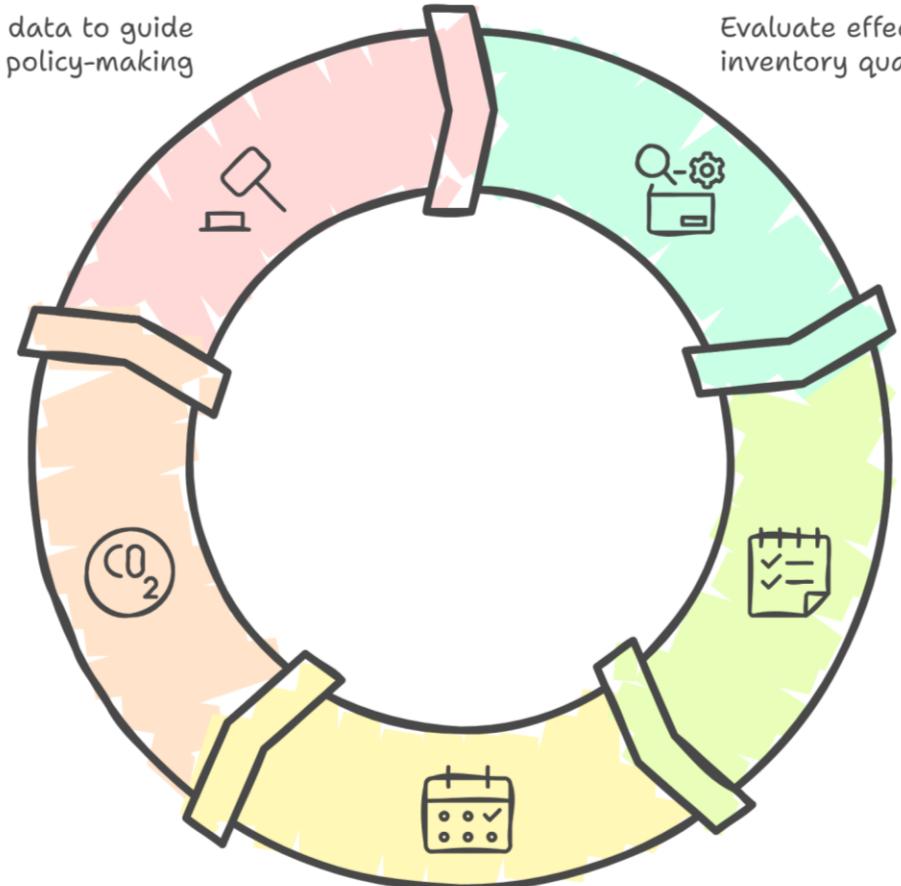
Prioritization Strategies

Prioritization Matrix:

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

Inform Policy Decisions

Use data to guide policy-making



Assess Impact

Evaluate effect on inventory quality

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 ($\pm 25\%$)
Activities	<ol style="list-style-type: none">1. Develop data collection framework for plant-specific data2. Conduct survey of major power plants3. Develop country-specific emission factors4. 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: $\pm 10\%$); Complete plant-specific data for facilities $>25\text{MW}$



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Tracking Progress and Impact

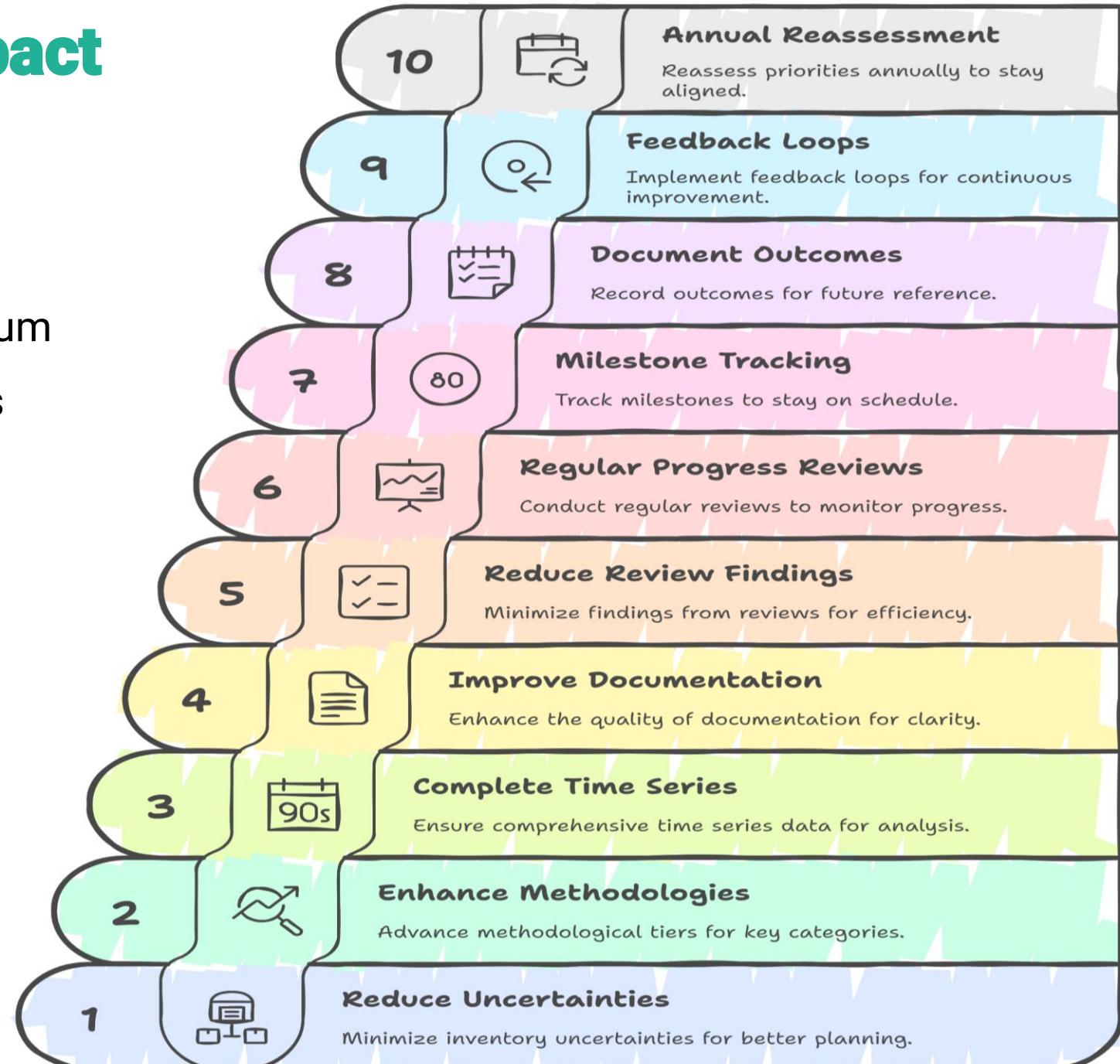
Implementation Strategies

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



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Key Success Factors

1. Institutional Commitment

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

2. Stakeholder Engagement

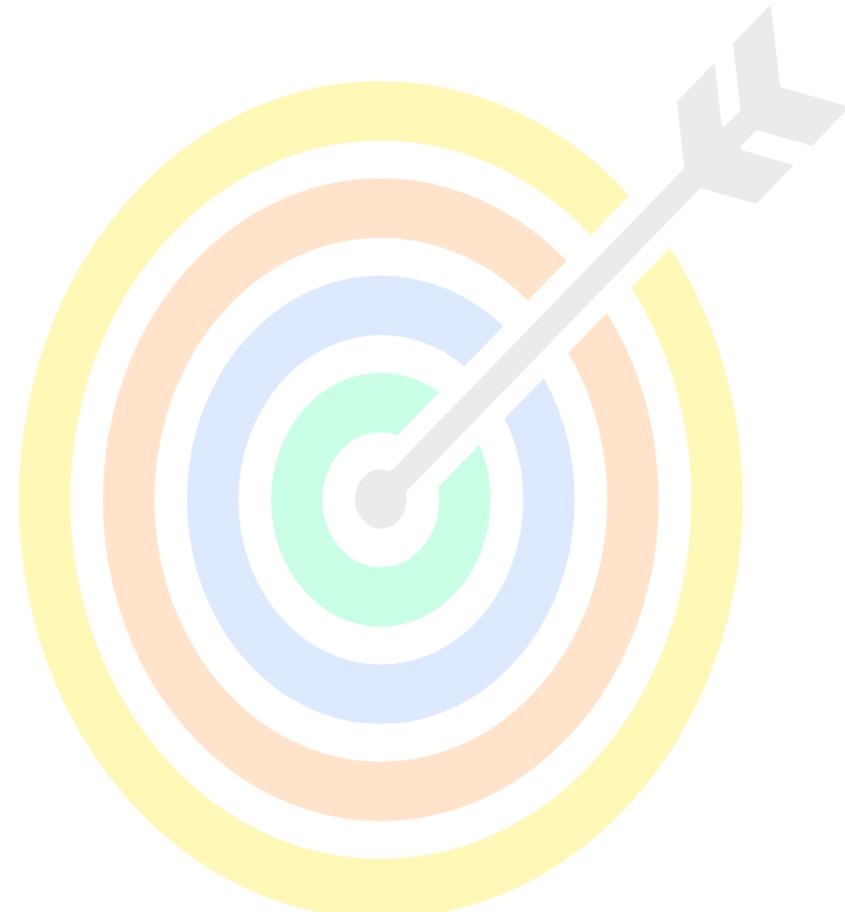
- Involve data providers early
- Ensure cross-sectoral coordination
- Maintain regular communication

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



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

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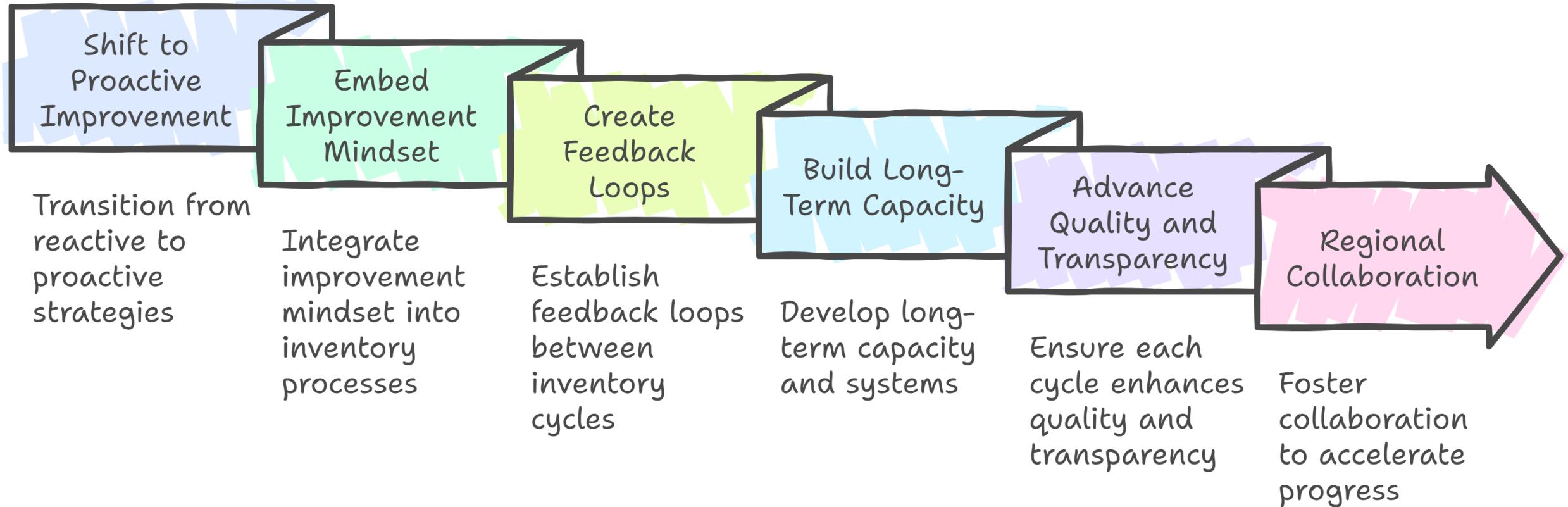
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Conclusion: Building a Culture of Continuous Improvement



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



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