Adaptation Planning Framework

Introduction

The **Adaptation Planning Framework** is a vital tool within the *Climate & Energy Governance Implementation Framework*, designed to guide stakeholders in developing and implementing strategies to build climate resilience and protect vulnerable communities from climate change impacts, such as rising sea levels, extreme weather, and food insecurity. This framework supports policymakers, regional authorities, civil society organizations (CSOs), and communities in creating adaptation plans that align with the Framework's goals, including protecting 75% of vulnerable communities by 2035 and 100% by 2050, while ensuring equitable outcomes and resilience across sectors.

The framework integrates the Framework's principles of equity, sustainability, science-based decision-making, and cooperation, with a focus on the Climate Adaptation pillar. It provides a structured approach to assess climate risks, prioritize vulnerable populations, design adaptation measures, and monitor progress, fostering coordination across governance levels and sectors. By emphasizing stakeholder engagement and nature-based solutions, the framework ensures inclusive and sustainable adaptation planning.

Objectives

- Assess climate risks and vulnerabilities at local, regional, and national levels.
- Prioritize adaptation measures for vulnerable communities and critical sectors.
- Design and implement equitable, science-based adaptation strategies.
- Engage stakeholders to ensure inclusive and participatory planning.
- Monitor and evaluate adaptation outcomes using standardized metrics.

Target Audience

- National and regional policymakers
- National Implementation Units
- Regional authorities and disaster management agencies
- CSOs advocating for climate resilience and equity
- Communities, especially vulnerable and indigenous groups
- Businesses impacted by climate risks (e.g., agriculture, infrastructure)

Adaptation Planning Framework

1. Climate Risk and Vulnerability Assessment

Document climate risks, vulnerable populations, and affected sectors to establish a baseline for adaptation planning.

Field	Response
Climate Risks	E.g., Sea level rise (1m by 2050), increased hurricanes, drought
Vulnerable Populations	E.g., 500,000 coastal residents, 100,000 smallholder farmers, indigenous communities
Affected Sectors	E.g., Agriculture, infrastructure, water resources
Current Adaptation Measures	E.g., Early warning systems (50% coverage), mangrove restoration (10,000 hectares)
Vulnerability Gaps	E.g., 50% of coastal communities unprotected, limited drought-resistant crops
Alignment with Framework	E.g., Partial alignment (adaptation coverage below 75% by 2035)

Instructions:

- Use climate risk assessments, national reports, or the Climate Policy Dashboard for data.
- Prioritize vulnerable populations (e.g., low-income, indigenous, rural) and critical sectors.
- Identify gaps in current measures relative to Framework targets.

Example: Region Y faces sea level rise and hurricanes, affecting 500,000 coastal residents and agriculture. Current early warning systems cover 50% of communities, falling short of the Framework's 75% protection target by 2035.

2. Adaptation Priorities

Set priorities for adaptation, focusing on vulnerable populations and critical sectors, aligned with Framework milestones.

Priority	Target Group/Sector	Timeline	Description
Coastal Protection	Coastal communities	2035	E.g., Protect 75% of coastal residents with barriers and nature-based solutions
Agricultural Resilience	Smallholder farmers	2030	E.g., Equip 80% of farmers with drought-resistant crops
Water Security	Rural communities	2035	E.g., Ensure 100% access to climate-resilient water systems
Disaster Preparedness	All vulnerable populations	2030	E.g., Achieve 100% coverage of early warning systems

Instructions:

- Align priorities with Framework goals (e.g., 75% vulnerable communities protected by 2035, 100% by 2050).
- Ensure equity by focusing on marginalized groups (e.g., indigenous communities, women).
- Validate priorities with stakeholders via the Stakeholder Engagement Protocol.

Example: Region Y prioritizes protecting 75% of coastal residents by 2035 with mangroves and barriers, and equipping 80% of farmers with drought-resistant crops by 2030, with input from indigenous leaders.

3. Adaptation Measures

Outline specific measures to achieve adaptation priorities, emphasizing resilience, equity, and nature-based solutions.

3.1 Infrastructure-Based Measures

Field	Response
Measure	E.g., Coastal barriers, flood-resistant infrastructure
Target Group/Sector	E.g., Coastal communities, urban infrastructure
Scope	E.g., 100 km of barriers, 50 flood-resistant bridges
Timeline	E.g., 2026-2035, 20 km barriers annually
Funding Source	E.g., Framework finance, national budget

Example: Region Y will construct 100 km of coastal barriers by 2035 to protect 500,000 residents, funded by Framework grants and national budgets.

3.2 Nature-Based Solutions

Field	Response
Measure	E.g., Mangrove restoration, reforestation
Target Group/Sector	E.g., Coastal ecosystems, agriculture
Scope	E.g., Restore 20,000 hectares of mangroves, 10,000 hectares of forests
Timeline	E.g., 2027-2035, 3,000 hectares annually
Funding Source	E.g., Private investment, Nature-based Solutions Assessment Tool

Example: Region Y will restore 20,000 hectares of mangroves by 2035 to enhance coastal resilience, funded by private investment and Framework grants.

3.3 Community-Based Measures

Field	Response
Measure	E.g., Early warning systems, climate-resilient farming training
Target Group	E.g., Rural farmers, indigenous communities
Scope	E.g., 100% early warning coverage, train 50,000 farmers
Timeline	E.g., 2025-2030, full coverage by 2028
Funding Source	E.g., Regional funds, carbon pricing revenues

Instructions:

- Prioritize measures that combine infrastructure, nature-based, and community-based approaches.
- Ensure equity by targeting vulnerable groups and upholding Free, Prior, and Informed Consent (FPIC) for indigenous communities.

- Use the Climate Finance Access Navigator to identify funding.

Example: Region Y will achieve 100% early warning system coverage by 2028 and train 50,000 farmers in climate-resilient practices by 2030, with FPIC for indigenous-led projects.

4. Implementation Roadmap

Define a phased timeline for implementing adaptation measures, aligned with Framework milestones.

Phase	Timeline	Actions	Milestones
Short-Term	2025-2030	E.g., Deploy early warning systems, restore 5,000 hectares of mangroves, train 20,000 farmers	E.g., 100% early warning coverage, 20% of farmers trained by 2030
Medium-Term	2030-2040	E.g., Construct 100 km of coastal barriers, scale mangrove restoration to 20,000 hectares	E.g., 75% of vulnerable communities protected by 2035
Long-Term	2040-2050	E.g., Sustain resilience measures, expand water security systems	E.g., 100% of vulnerable communities protected by 2050

Instructions:

- Align with the Framework's Implementation Roadmap (e.g., 75% protection by 2035, 100% by 2050).
- Coordinate with other sectors using the Climate-Energy Policy Integration Matrix.
- Engage stakeholders to validate timelines.

Example: By 2030, Region Y will achieve 100% early warning coverage; by 2035, protect 75% of vulnerable communities with barriers and mangroves; by 2050, ensure 100% protection.

5. Metrics for Success

Establish indicators to track progress and evaluate adaptation outcomes, aligned with the Framework's Integrated Climate Metrics System (ICMS).

Indicator	Target	Measurement Method	Frequency
Vulnerable Communities Protected	75% by 2035, 100% by 2050	Percentage of communities with adaptation measures	Biennial
Early Warning System Coverage	100% by 2030	Percentage of at-risk populations covered	Annual
Nature-Based Solution Coverage	30,000 hectares restored by 2035	Hectares of restored ecosystems	Annual
Agricultural Resilience	80% of farmers using resilient practices by 2035	Number of farmers trained/adopting practices	Biennial
Equity Outcomes	80% of vulnerable groups report benefits by 2035	Surveys of marginalized communities	Biennial

Instructions:

- Integrate metrics into ICMS for standardized reporting.
- Use surveys, satellite data, or community feedback to assess protection, coverage, and equity.
- Report progress via the Climate Policy Dashboard.

Example: Track vulnerable community protection biennially (target: 75% by 2035) and survey indigenous communities to ensure 80% report adaptation benefits by 2035.

Next Steps

1. **Review Results**: Share your adaptation plan and outcomes with key stakeholders to validate findings and build consensus on priorities.
2. **Develop a Strategy**: Use the roadmap and metrics to integrate adaptation into your broader climate and energy governance strategy.
3. **Connect to Regional Resources**:
   - Explore the Regional Hub concept at globalgovernanceframework.org/frameworks/hubs to understand how regional coordination can support your adaptation initiatives.
   - Identify existing regional organizations in your area that may provide similar functions to the conceptual Regional Hubs.
4. **Access Support**:
   - Email globalgovernanceframeworks@gmail.com for technical assistance and to discuss potential regional collaboration opportunities.
   - Inquire about pilot projects or implementation partnerships related to the Regional Hub concept.
5. **Monitor Progress**: Reassess the adaptation plan annually to track improvements and adjust strategies based on metrics and stakeholder feedback.
6. **Share Insights**: Contribute lessons learned to the Framework's knowledge repository to support global learning and inform Regional Hub concept development.

Contact and Further Information

For additional support:

- **Online Resources**: Access tools and guides at globalgovernanceframework.org/frameworks/tools/energy.
- **Technical Assistance**: Email globalgovernanceframeworks@gmail.com.
- **Regional Governance Concepts**: Learn more about the Regional Hub framework at globalgovernanceframework.org/frameworks/hubs.
- **Implementation Partnerships**: Inquire about opportunities to pilot Regional Hub functions in your region through globalgovernanceframeworks@gmail.com.

This framework is a living document, updated periodically. Check the website for the latest version.