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Climate vulnerabilities and Governance Failures - lessons from Pakistan's 2025 floods

1- Introduction

2- Manifestations of Climate vulnerabilities in Pakistan

- (i) Global Warming
- (ii) Biodiversity loss
- (iii) Loss in forest cover
- (iv) Prolonged heatwaves
- (v) Unpredictable monsoon and floods
- (vi) Melting of glaciers

3- How Climate Vulnerabilities are compounded by Governance Failures?

3.1: A rampant issue of dams construction

~~3.2:~~

3.2: Unpredictability of monsoon season and recurring floods

3.3: Weak and outdated infrastructure

3.4 : Institutional failures
leading to non-operational
disaster management
authority

3.5 : Weak coordination between
central, provincial, and
local disaster management
authorities

3.6 : No early evaluation
mechanism

3.7 : More focus on reactive
measures, instead of
proactive measures

3.8 : Lack of political
will

3.9 : Non-integration and
non-functional Artificial
Intelligence Systems

3.10 : Inappropriate and absence
of decentralization of
climate finance

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3.11. Impoverished and deteriorating conditions of relief camps

4- What are the lessons learned from Pakistan's 2025 floods?

4.1: Ensuring strong enforcement mechanisms through appropriate enforcement bodies on legal framework

4.2: Strengthening District Management Authorities (DMAs) by allocating proper budget

4.3: Maintaining coordination between all three tiers of government with the help of designated DMAs

4.4: Focusing precisely on mitigation strategies, instead of adaptation methods

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4.5 : Integrating Artificial Intelligence through GPS system to take proactive measures

4.6 : Initiating awareness programs among masses before disastrous situation

4.7 : Focusing on early warning systems and early evacuations to avoid major loss

5- Conclusion