

An aerial photograph of a city, likely Seoul, showing a large river (Han River) winding through the urban landscape. The city is densely packed with buildings and infrastructure, with green spaces interspersed. The river is a prominent feature, curving through the city and separating different urban areas.

# Climate Resilient Infrastructure: ADB Approach 气候韧性基础设施： 亚洲开发银行采用的方式

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## Why Pursue Climate Resilient Infrastructure? 为什么追求气候韧性基础设施？

- Physical risks from climate change **affect the functioning of urban infrastructure** resulting in multi-sectoral impact.
- 气候变化带来的物理风险会**影响城市基础设施的运作**，从而产生多方面的影响。
- New investment opportunities, if not treated with resilience lens, can **lock in levels of risk** for decades to come and affect the growth of cities.
- 如果不从韧性的角度分析处理新的投资机遇，可能会**锁定未来几十年的风险水平**，并影响城市的增长。
- Resilient infrastructure **pay for themselves**.
- 韧性基础设施具有自我适应和恢复的能力。
- ADB **Strategy 2030** identifies climate resilience as one of its operational priorities and set targets.
- 亚行《**2030战略**》将增强气候适应能力作为重点关注的业务领域之一，并设定了目标。
- ADB's commitment (with other MDB's) to align its operations with core provisions of the **Paris Agreement**
- 亚行承诺（与其他多边开发银行合作）使其业务与《**巴黎气候变化协定**》中的核心条款保持一致。





## ADB's Approach to Climate Resilient Infrastructure 亚行对于气候韧性基础设施采用的方式

- Promote:
  - Increasing **resilience of** infrastructure
  - Increasing **resilience through** infrastructure
- 促进：
  - 增加基础设施的韧性
  - 通过基础设施增加城市韧性
- Adopt an **integrated approach** to resilience factoring physical, social, ecosystem-based and financial aspects.
- 采取**综合方法**分析物理、社会、生态系统以及财务等方面的韧性。
- Systematically apply **climate risk management framework** to screen, assess, and incorporate adaptation measures in infrastructure project design
- 系统地应用**气候风险管理框架**来筛选、评估和整合基础设施项目设计中的气候适应性措施。
- Enhance **capacity** of countries to use climate risk information in decision-making for infrastructure
- 加强各国将气候风险信息应用于基础设施决策的**能力**。



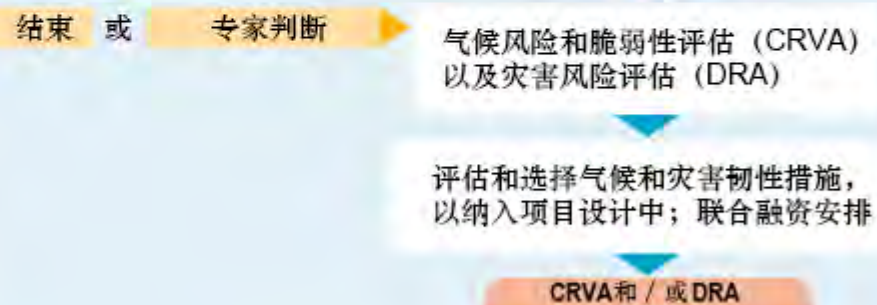
# Application of Climate Risk Management Framework

## 气候风险管理框架的应用

项目概念阶段



项目准备阶段



项目实施阶段

实施和监测选定的气候和灾害韧性措施

Project Concept Phase

Project Preparation Phase

Project Implementation Phase

Preliminary screening (checklist)



End OR Expert judgement

Climate Risk and Vulnerability Assessment (CRVA) and/or Disaster Risk Assessment (DRA)

Evaluation and selection of climate and/or disaster resilience measures to include in project design; cofinancing arrangements

CRVA and/or DRA

Implementation and monitoring of selected climate and/or disaster resilience measure(s)





## Enabling Environment for Climate Resilient Infrastructure 为建设气候韧性基础设施创造有利环境

- Access to **climate information** – development of regional public good
- 获取**气候信息**—发展地区性公益事业
- **Policy and regulation** – update building codes, engineering design standards, procurement and maintenance procedures
- **政策与法规**—更新建筑规范、工程设计标准、采购和维护程序。
- **Access to finance** – facilitate access to concessional development and climate finance and unlocking private sector finance
- **融资渠道**—促进优惠发展和气候融资，并解锁私营资本
- Leveraging **knowledge and partnership** –develop tools and guidance for improved decision making for investments in adaptation
- 利用**知识和合作伙伴关系**—开发工具和指南，以改进气候适应性投资的决策





## Moving Forward: Scaling Up Resilient Infrastructure 未来展望：韧性基础设施的推广

- Strengthen **knowledge base** on impacts of cascading risks on infrastructure systems and investment chain
- 加强关于级联风险对基础设施系统和投资链影响的**知识库**
- Extending climate risk management **upstream and downstream of project preparation**
- 扩大项目准备**上下游**的气候风险管理
- Facilitate **private sector engagement** in strengthening infrastructure resilience at scale
- 促进**私营部门参与**大规模加强基础设施韧性的项目