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URBAN CLIMATE CHANGE
RESILIENCE TRUST FUND

Asian Development Bank

城市气候变化韧性信托基金

亚洲开发银行

Building Urban Resilience of Vulnerable Communities: UCCRTF Experience

建设脆弱社区的城市韧性：
来自UCCRTF的经验

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2nd International Forum on Low Carbon Development for Cities

首尔, 2019年9月
第二届城市低碳发展国际论坛

Urban Climate Change Resilience Trust Fund (UCCRTF)

城市气候变化韧性信托基金



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\$150m
2014-2022



The
ROCKEFELLER
FOUNDATION



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Economic Affairs SECO



UKaid
from the British people

Build resilience of **2 million**
people in 25 cities

为25个城市200万人建设韧性城市

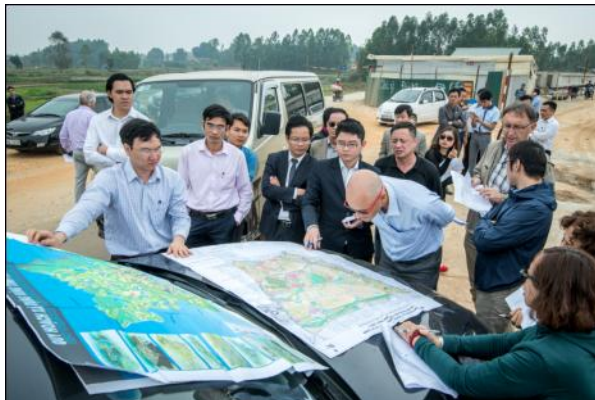
Reduce **risks to poor from**
climate change impacts
through better planning and
climate resilient infrastructure

通过更好的规划和具有气候韧性的
基础设施，减少气候变化影响给贫
困人口带来的风险

Focus on 8 countries:

Bangladesh, India, Pakistan,
Nepal, Myanmar, Vietnam,
Indonesia and Philippines

关注8个国家：孟加拉国、印度、
巴基斯坦、尼泊尔、缅甸、越南、
印度尼西亚和菲律宾



Building Resilience at Community Level

Community-led Initiatives (CLI) in Five+ Countries

在社区层面建设韧性

在5个以上的国家开展社区主导的倡议活动 (CLI)



- Enhance the resilience of communities to climate change through community-led projects. 通过社区主导的项目，增强社区应对气候变化的韧性。
- Empower urban poor communities, esp. women and youth, to have increased voice in designing and prioritizing resilience interventions.

给予城市贫困社区群体，特别是妇女和青年，在设计和优先安排适应性措施方面的发言权。

- Improve community resilience building through better decision support tools and knowledge sharing among local stakeholders. 通过更好的决策支持工具和本地利益相关者之间的知识共享，改善社区的韧性建设。

Pakistan
Sialkot
Abbottabad

Bangladesh
Faridpur
Patuakhali

Myanmar
Yangon

Philippines
Del Carmen
Janiuay
La Trinidad
Malay

Community-led Initiatives

Inclusive Planning and Decision-Making Approach

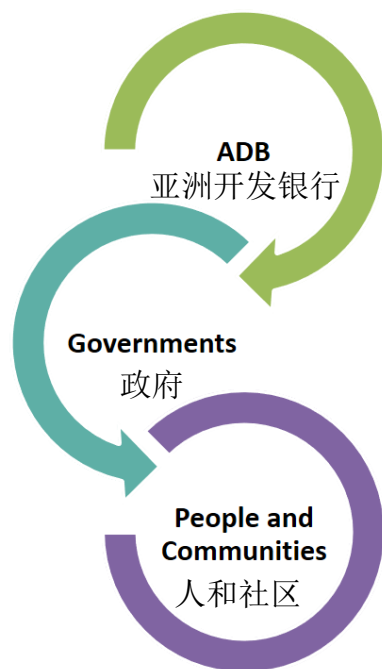
社区主导的倡议活动

包容性规划和决策方法



Top-Down Approach

自上而下法



**Communities
as beneficiaries, end users**
社区作为受益人与最终用户

Community-Led Approach

社区主导的方法



**Communities as active participants
in every step of the process**
社区是这一过程每一步骤的积极参与者

Community-Led Initiatives 社区主导的倡议活动

Resilience Academy Workshop : A Vehicle for community planning

韧性学术研讨会：社区规划的载体



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Bangkok, March 2017 曼谷 2017.03

- Abbottabad 阿伯塔巴
- Sialkot 锡亚尔科特
- Faridpur 福利布德尔
- Mandalay 曼德勒
- Vinh Yen 永安市
- Hue 顺化市
- Makassar 孟加锡

Manila, June 2017 马尼拉 2017.06

- Del Carmen 德尔卡门
- Janiuay 哈尼外
- Malay 马来
- La Trinidad 特立尼达

Yangon, September 2018 仰光 2018.09

Pakistan, December 2018 巴基斯坦 2018.12

- Abbottabad 阿伯塔巴
- Mardan 马尔丹
- Kohat 科哈特
- Peshawar 白沙瓦
- Sahiwal 萨希瓦尔
- Sialkot 锡亚尔科特

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Resilience Academy Workshop

韧性学术研讨会



Community-Led Initiatives

Proposed Community Led Projects (Philippines)



社区主导的倡议活动 提议的社区项目 (菲律宾)

Malay 马来, Aklan 阿克兰

- Multipurpose Evacuation Center 多用途疏散中心
- Bio-engineering mitigation measures for floods and landslides 防洪和滑坡的生物工程缓解措施
- Tree planting in riverbanks and watershed 在河岸和分水岭植树

Janiuay 阿尼外, Iloilo 怡朗

- Community Managed Water Supply System 社区管理的供水系统
- Rainwater harvesting facility as alternative source of water 作为替代水源的雨水收集设施
- Tree planting campaign (native trees) 植树运动(本地树木)

La Trinidad 特立尼达, Benguet 本格特

- Flood Drainage Improvement Project 防洪排水改善工程
- Rehabilitation of water filtration plant to provide additional irrigation to farmers during dry months 修复滤水厂，在旱季为农民提供额外灌溉

Del Carmen 德尔卡门, Surigao Del Norte 北苏里高

- Recovery and Recycling Facility (Recycling Center, MRF, Composting Facility) 回收及循环设施(回收中心、MRF、堆肥设施)
- Water assessment study 水评估研究
- Strengthening solid waste management and water service delivery to the community 加强固体废物管理和社区的水输送服务

Social Innovation through CLIs to build Resilience at Community level : Key Reflections

通过社区主导的倡议活动进行社会创新，以在社区层面建立韧性：重要反思



- No Top down wish list. Who decides and who benefits? Build “ATE” 没有自上向下的愿望清单。谁决定谁受益?构建“问责-透明-许可”制度
- Communities “make evidence based decisions” to identify vulnerable people, their problems, solutions.社区通过“基于证据的决定”来识别弱势群体、他们存在的问题和解决方案。
- Complement urban services by strengthening delivery at grassroots and pooling local resources. 通过加强基层服务和汇集地方资源来补充城市服务
- Need for institutionalizing CLI in urban planning and infrastructure delivery to build community resilience. 需要在城市规划和基础设施交付中将社区主导的倡议活动制度化，以建立社区韧性。



Adaptation- Mitigation- Co-benefits/Synergy or Trade offs and Barriers

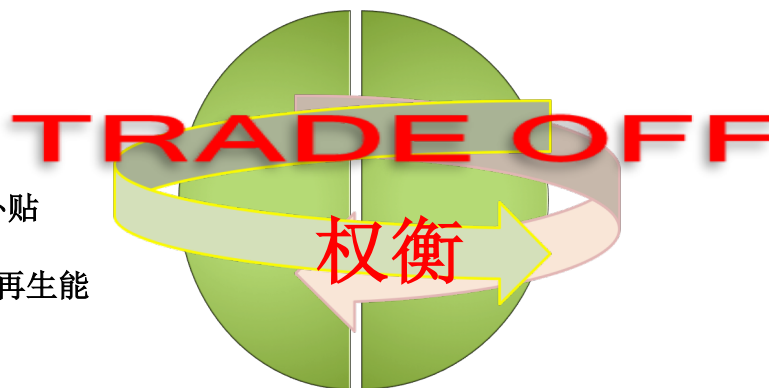
适应-减缓-协同效应或权衡和壁垒



- **MIT: collective action, global public good, GHG metrics**
缓解：集体行动、全球公益、温室气体指标
- **ADA: Site, context specific, cross cutting – No/Low regret actions**
适应：地区、特定背景、跨领域 — 没有/低后悔行动
- **Mainstreaming CC is fine but will not deliver transformation**
气候变化变为主流很好，但不会带来变革
- **Need for transformative ADA and MIT to avoid lock-in**
需要变革的ADA和MIT来避免锁定效应
- **Cost-effectiveness: costs now and benefits in future**
成本效益：现在的成本和未来的收益
- **Urgency to change political, governance, economic decisions**
改变政治、治理和经济决策的紧迫性

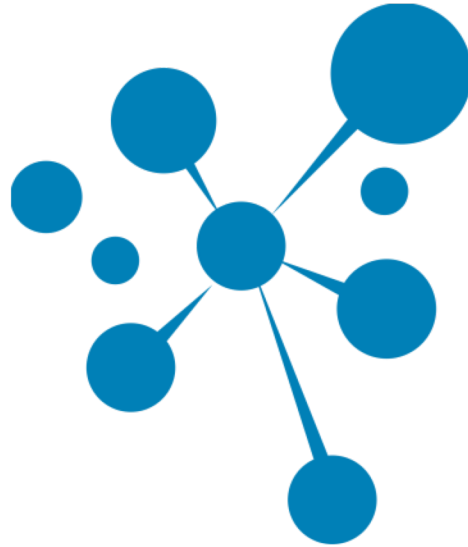
MITIGATION 缓解

Fossil fuel subsidies 化石燃料补贴
Off-grid solar 离网型太阳能
Vs. Direct RE subsidy 直接的可再生能源补贴



ADAPTATION 适应

Preparedness 准备, EWS
Flood protection 防洪
Vs. Climate proofing 气候防护



LIVABLE CITIES

Asian Development Bank

Thank you 谢谢

<https://www.livablecities.info/>

vsharma@adb.org