

TEA BREAK / 茶歇



URBAN
SH/FT

EXERCISE REPORT BACK / 锻炼报告



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Case # 1 - Biodiversity finance decision making tree

CASE STUDY

Watershed protection in the Rinjani Protected Area, Lombok, Indonesia

The Rinjani landscape covers 125,000 ha of semi-evergreen and tropical rainforest. It is divided into production forest, reserved area and national park. Forest degradation, illegal logging, unsustainable farming, excessive tourism, and shifting cultivation practices in this area have led to severe environmental problems resulting in decreased water quantity and quality. In the early 2000s, a group of NGOs and the District Government took a lead to address these issues. **What instrument did they use?**



Water scarcity

Main concern was the protection of spring due to water scarcity



Willingness to pay

A survey showed 95% of local pop. agreed to pay for spring protection



Limited resources

Local government had few resources and very limited fiscal authority



Private ownership of spring areas

Spring were located in lands owned by farmers

案例 # 1 - 生物多样性金融决策树

案例研究

印尼龍目島林賈尼保護區的水源保護

林贾尼地区覆盖了125,000公顷的半常绿和热带雨林。该地区被划分为生产林、保护区和国家公园。森林退化、非法采伐、不可持续的农业活动、过度旅游以及该地区游牧耕作的实践导致了严重的环境问题，导致水量和水质下降。在21世纪初，一群非政府组织和区政府带头解决这些问题。他们采用了哪些措施？



水资源短缺

主要关注点是由于水资源短缺而对泉水的保护。



支付意愿

一项调查显示，95%的当地居民表示愿意为春季保护措施付费。



有限的资源

地方政府资源匮乏，财政自主权极为有限。



泉水区域的私人所有权

春天的田地处于农民所有的土地上。

Case # 1- Biodiversity finance decision making tree

Answer



CASE STUDY

Watershed protection in the Rinjani Protected Area, Lombok

Various NGOs and the District Government initiated a **Payment for Environmental Services** scheme for watershed protection in the Rinjani Protected Area. Water users directed money to a fund (first through voluntary payments, then through an added tax on the water bill), which is used to compensate farmers upstream for planting trees and preserving water resources.



Willingness to pay

Initial support for the measure from the local pop. (though it became more controversial later on)



Political support and enabling environment

Local legislation was passed to provide legal framework for PES



New PES schemes

Parallel schemes attest success, but create inefficiencies

案例 # 1- 生物多样性金融决策树

回答



案例研究

龙目岛林贾尼保护区的流域保护

多家非政府组织 (NGO) 与区政府共同启动了一项环境服务支付计划，旨在保护林贾尼保护区的流域生态系统。用水户将资金直接划入专项基金 (初期通过自愿捐款，随后通过水费附加税形式征收)，该资金用于补偿上游农民种植树木及保护水资源的努力。



支付意愿

该措施最初得到了当地民众的支持。(不过后来争议逐渐加大)



政治支持与有利环境

地方立法已通过，为PES提供法律框架。



新的PES计划

并行方案虽证明成功，但会产生低效。

Case # 2- Biodiversity finance decision making tree

Answer



CASE STUDY

Protecting biodiversity of the West Lake in Hangzhou, China

Recognizing the rapid increase of land value due to urban development and strict heritage and landscape protection rules near the Lake, the city saw an opportunity to West Lake Committee proposed the adoption of **land-value capture** mechanisms, balancing upfront lease fees with resale and holding-stage taxes to finance the lake's cultural and environmental protection.



Land-transfer fee

Applied to initial lease auctions in buffer zones, capturing the immediate uplift from conservation zoning.



Deed tax

Levied on land resales within the heritage zone to recoup value gains during transactional stages.



Property taxes

Ongoing levy on properties adjacent to West Lake

案例 # 2- 生物多样性金融决策树

回答



案例研究

保护中国杭州西湖的生物多样性

鉴于城市发展导致湖区周边土地价值迅速上涨，以及严格的遗产和景观保护规定，市政府认为这是一个良机，因此向西湖委员会提议采纳土地价值捕获机制，通过平衡前期租赁费用与转售及持有阶段的税收，为湖区的文化和环境保护提供资金。



土地转让费

适用于缓冲区内的初始租赁拍卖，以捕捉保护分区带来的即时价值提升。



契税

对遗产保护区内土地的转售征收的税款，用于补偿交易过程中产生的价值增值。



房产税

对西湖周边房产的持续征收

Case # 3 - Biodiversity finance decision making tree

Answer



CASE STUDY

PPP for the management of municipal parks by the City of São Paulo

First of its kind in Brazil, PPP with the City's main park, Ibirapuera, and five other in city's outskirts. Contracted in **2018**, the PPP requires min. **USD 34 million** in investments, including in the conservation of biodiversity

 <p>No entrance fee</p> <p>Financial feasibility from ancillary revenues to ensure free entry to the parks</p>	 <p>PPP</p> <p>Use of PPP allowed to access private investment and bypass fiscal constraints</p>	 <p>Bundling</p> <p>Ibirapuera, with big revenue potential, guaranteed attractiveness for private investors</p>
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案例 # 3 - 生物多样性金融决策树

回答



案例研究

圣保罗市市政公园管理公私合作项目

巴西首个此类项目，与城市主要公园伊比拉普埃拉公园 (Ibirapuera) 及城市郊区的另外五个公园合作。该PPP项目于2018年签订，要求最低投资额为3400万美元，其中包括生物多样性保护方面的投资。



免门票

通过辅助收入确保公园免费入场的财务可行性



公私合作

允许使用公私合作模式 (PPP) 以吸引私人投资并突破财政约束。

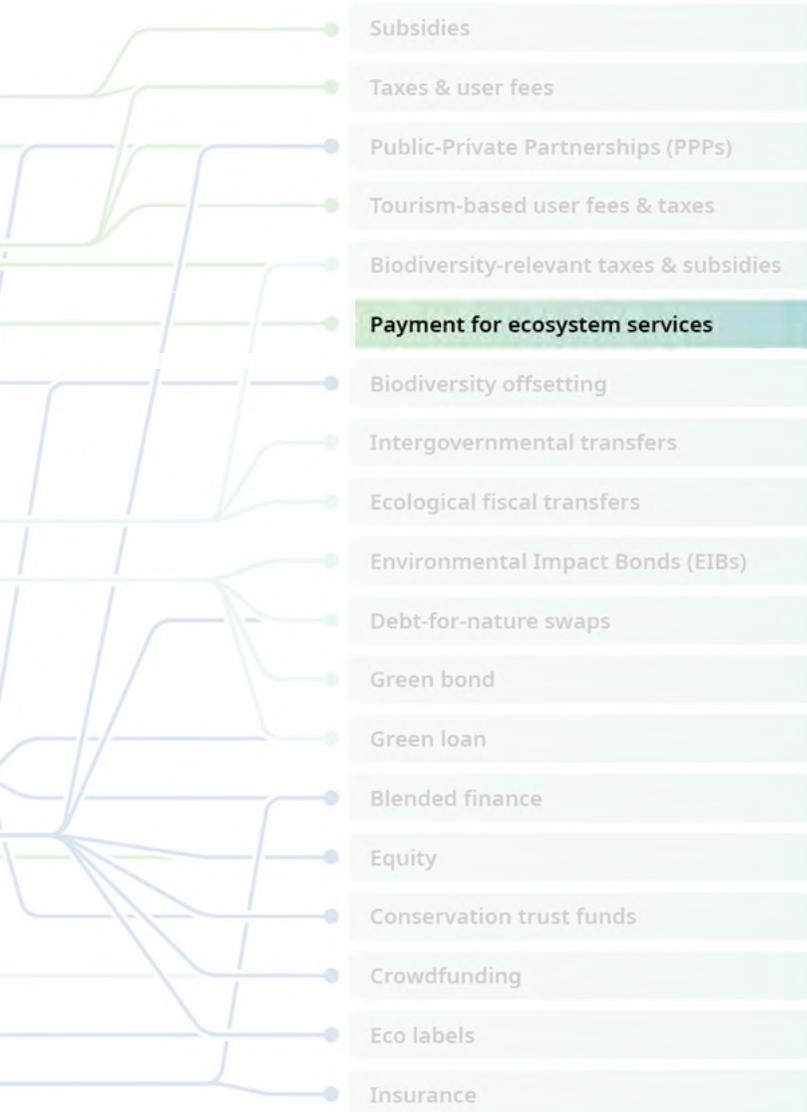


捆绑

伊比拉普埃拉 (Ibirapuera) 拥有巨大的收入潜力，对私人投资者具有吸引力。

Case # 4 - Biodiversity finance decision making tree

Answer



CASE STUDY

Chimpanzee habitats in Uganda: A payment for ecosystem services example

Thanks to the funding provided by the GEF, the project provided payments for private forest owners to protect chimpanzees' habitats from 2010-2014. To implement the scheme, it was necessary to train national partners on how to monitor the maintenance of biodiversity and payment compliance, as well as landowners to protect and maximize biodiversity. The project succeeded in reducing deforestation.



Incentivizing conservation

Preservation as opportunity for livelihood



But requires external funding

Reliant on GEF funds

案例 # 4 - 生物多样性金融决策树

回答



案例研究

乌干达黑猩猩栖息地：生态系统服务支付示例

感谢全球环境基金 (GEF) 提供的资金支持，该项目于2010年至2014年期间向私人林地所有者支付补偿金，以保护黑猩猩栖息地。为实施该计划，项目组需对国家合作伙伴进行培训，内容包括生物多样性监测、补偿金使用合规性监督，以及指导土地所有者采取措施保护并提升生物多样性。该项目成功实现了减少森林砍伐的目标。



激励保护

保护作为生计的机遇



但需要外部资金支持。

依赖全球环境基金 (GEF) 资金



Transformative Actions Program

Karishma Asarpota

Senior Officer, Climate Action, ICLEI World Secretariat

UrbanShift China City Academy

3 July 2025





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1

Introducing the **Transformative Actions Program**



Introducing TAP



Mission



Enabling access to finance to scale up local climate and SDG action



Accelerating sustainable development, including net zero emissions, resilience



Supporting national ambitions through local transformative infrastructure projects

tap-potential.org

Activities



Project Pipeline:

Subnational priorities, place-based and people-centered demand-driven



Project Preparation Facility (PPF)

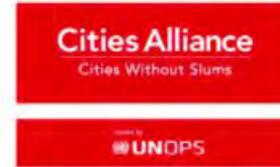
tailored services to guide project development to achieve maturity and finance-readiness



Advocacy Instrument

presenting the demand and diversity of priority subnational projects seeking support and finance

Our TAP Partners



TAP in numbers

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454

**PROJECTS
APPLICATIONS**

(2015- May 2024)



39

PROJECTS TAPPED*

*accessed financing or technical assistance

€ 1.6 billion



21

KNOWLEDGE PRODUCTS

developed from TAP projects



95

projects in the pipeline

€1.4 billion

INVESTMENT POTENTIAL

(as of August 2024)



36

COUNTRIES

in 7 **regions**

(current pipeline projects)

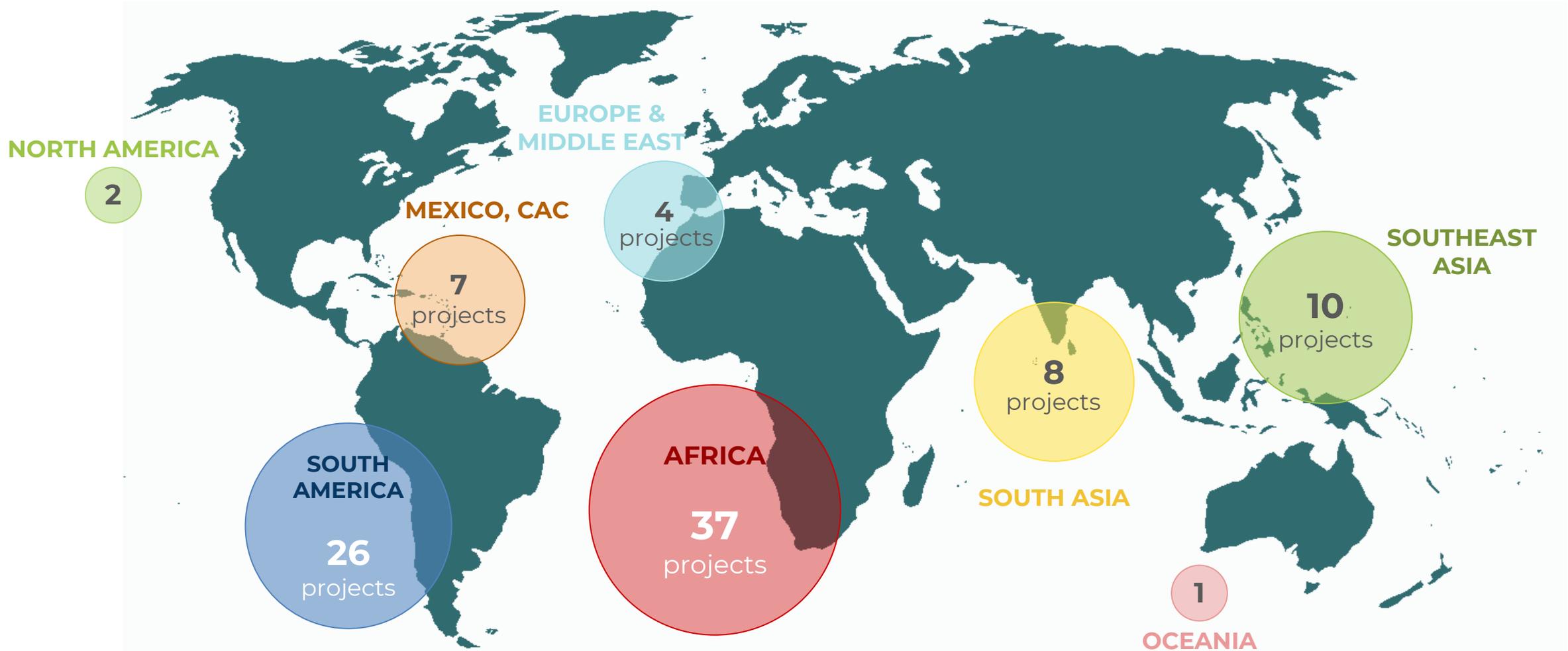


81

APPLICATIONS

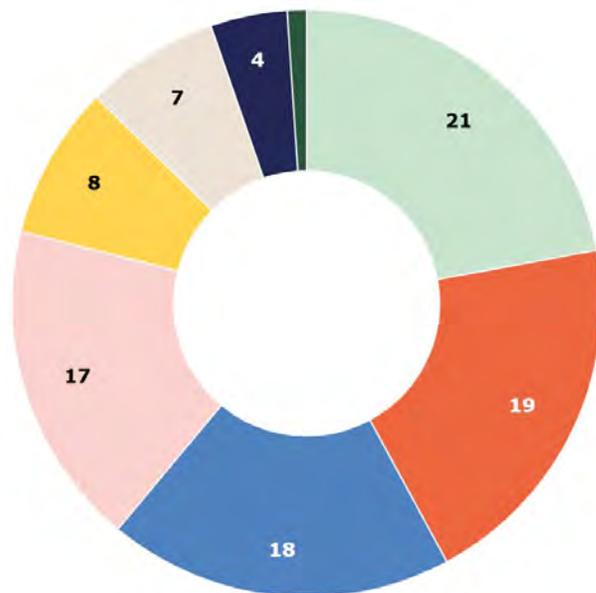
received in **2023 call**

TAP pipeline in numbers



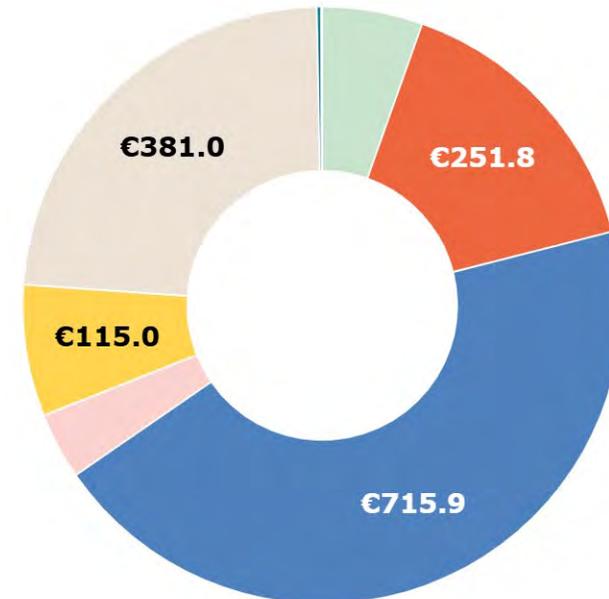
TAP pipeline in numbers

TAP Projects by Sector



- Energy
- Waste
- Transport & mobility
- Biodiversity and Nature-Based Solutions
- Fresh water & wastewater
- Land use & urban development
- Food & circular development
- Buildings

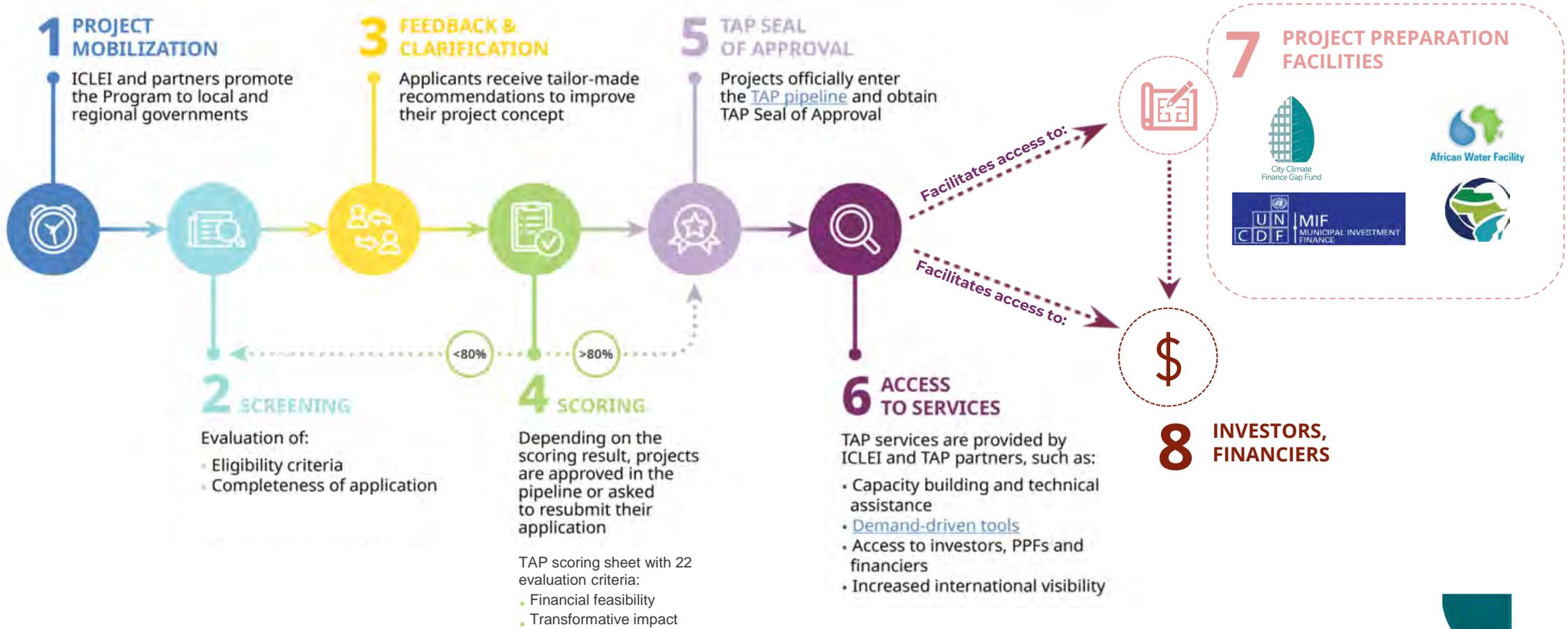
TAP Projects Value by Sector (in millions)



TAP application & pipeline process



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1 PROJECT MOBILIZATION

Cities complete their TAP applications (ICLEI may support):

- **TAP form** created in line with CCFLA's harmonized form
- Updated every year
- Available in **4 languages: English, Español, Français, Português**

Form has 15 questions related to:

- Applicant and local government information
- General description and rationale of the project
- Transformative impact and just transition approach
- Equitable and people-centred development approaches
- Financial maturity and feasibility
- Existence of technical and financial studies

TAP application & pipeline process

2 SCREENING

Screening of the project
according to eligibility criteria:

- Local and subnational governments or their partners
- Infrastructure projects addressing climate change and SDGs
- TRANSFORMATIVE IMPACT**
- Any subnational territory and level of maturity



TAP application & pipeline process



3 FEEDBACK & CLARIFICATION

Based on eligibility and scoring criteria, the TAP team provides feedback on the project concept and application

- Recommendations and explanation on each scoring criteria
- Suggestion of literature and tools for improving application
- Follow-up calls with the applicants to discuss scoring and recommendations

**Example of recommendation:
Identifying and measuring socio-economic co-benefits**

“
*Consider how the project can promote a **just transition** and explain how it will create economic opportunities to vulnerable communities and the social groups who will be particularly impacted by climate change. **How many jobs will be created? How will the local community be capacitated to take occupy those jobs?** For support, refer to the ILO’s ‘How to measure employment outcomes of sustainable development policies’ report.*
”

SCORING 4



Scoring of the project according to scoring criteria:

- **TAP scoring sheet** with 22 scoring criteria, with weighted scoring
- Criteria in three main categories:
 - General description
 - Transformative impact (ambition, cross-cutting, inclusive)
 - Financial viability
- Scoring sheet updated yearly

Example of scoring:

**General Questions
Ambition**

The project has additional co-benefits, including socio-economic benefits

Criteria

Score 0 = No co-benefits or weakly described
Score 2 = Additional co-benefits (including environmental and socio-economic benefits) explained and quantified

What do we offer?

TAP Services

Benefits for **all TAP Applicants**



Receive **customized feedback** and **recommendations** for project development



Information on **opportunities**



Access to **knowledge products**



Invitation to **webinars**



Peer-learning and knowledge exchange **workshops**

tap-potential.org/resources



TAP approved projects access additional **TAP Seal Services**



Connect with financial and technical partners, **Project Preparation Facility** (PPF)



Technical assistance for improving project concept and narrative



Get international **visibility**



Case studies of successful projects



Participants at **pitch events**



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2 How to apply to TAP

Key elements for a good TAP application

● Quantify climate benefits (if possible)

● Prove political buy-in

● Demonstrate alignment with local, national and international goals

● Think using a holistic approach

● List and quantify co-benefits (economic, health)



● Explain scalability/replicability potential

● List potential risks and the mitigation plan

● Use references (studies, previous support or project)

● Demonstrate strong stakeholder engagement

Key elements for a good TAP application

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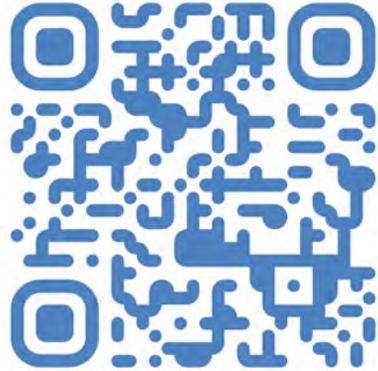


Be clear about what is needed to develop the project



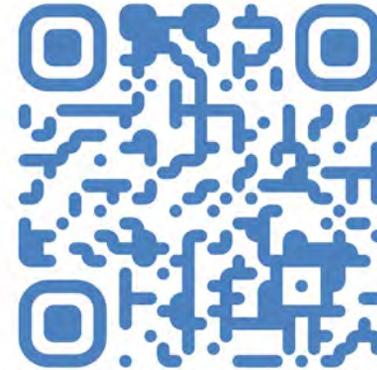
The TAP application form

Apply on [tap-
potential.org/apply](https://tap-potential.org/apply)



OR

Download the form here:



Available in

English

Français

Español

Português

The TAP call will be open until **October 31st, 2025.**



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3 TAP in China

Kunming, China

Panlong River Biodiversity Enhancement Project

Project owner: Kunming Municipal Bureau of Ecology and Environment

Primary sectors: Nature-Based Solutions (green & blue infrastructure)

Estimated budget

Implementation: CNY 10 million (EUR 1.21 million)

Stage: Pre-feasibility



Kunming, China

TAP

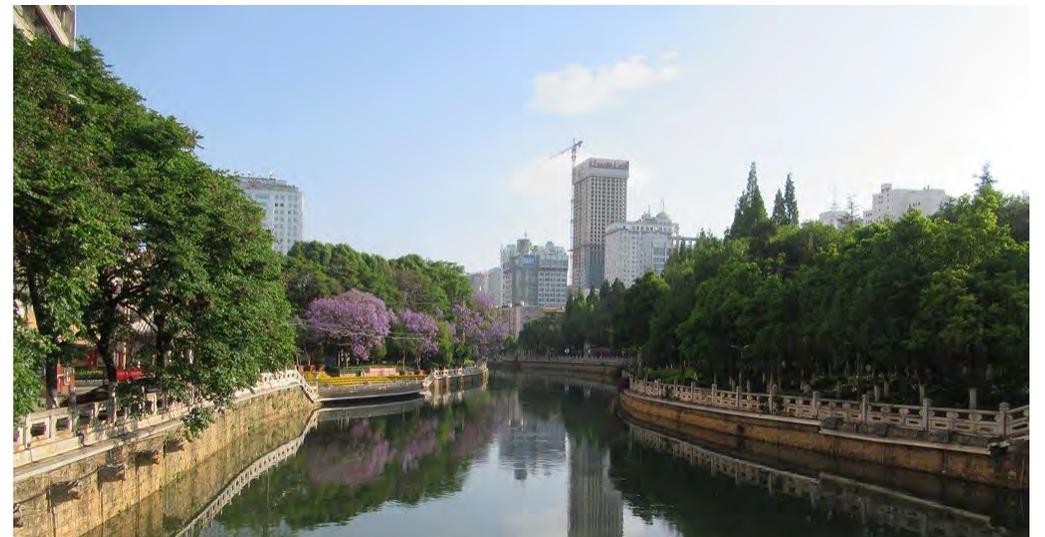
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Panlong River Biodiversity Enhancement Project

Objectives & outcomes

- Restore 15 km of river ecosystems including wetlands, riparian zones, and urban habitats.
- Create 3 biodiversity restoration demonstration zones (upstream, midstream, downstream).
- Engage 5,000 citizens annually in monitoring and ecological activities.
- Conduct 20+ educational events per year on biodiversity and sustainability.
- Install 10 smart monitoring stations using AI and sensor technology.
- Generate local jobs and economic growth through eco-tourism and restoration work.



Thank you!

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Q&A

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iclei.org



@ICLEIworld



ICLEI



@ICLEI



Closing & Wrap up

结束与总结

We value your feedback!

我们重视您的反馈!



[China City Academy Evaluation Form](#)

Closing & Wrap up – Participant Reflections / 总结与收尾 – 参与者反思

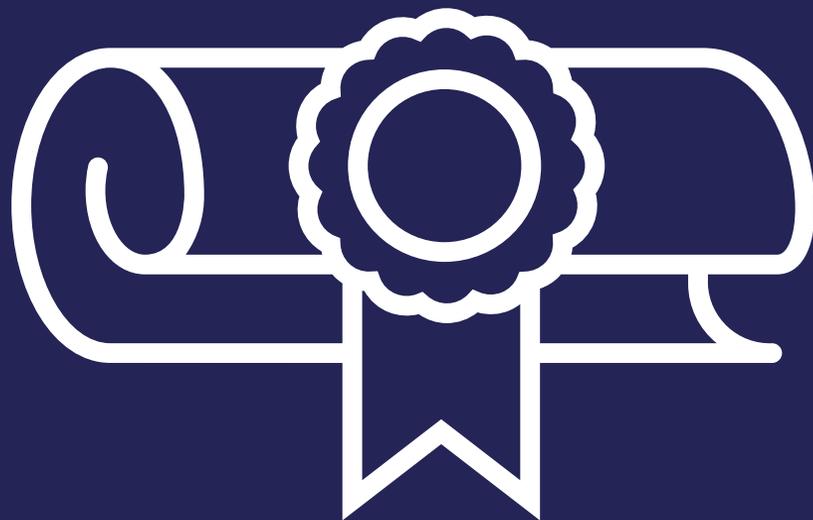
- What did you learn?
- What else do you want to know?
- How can we continue to help you?
- What is the one thing you will do when you're back at the office, because of this training?
- Anything else?
- 您学到了什么?
- 还有什么想了解的?
- 我们还能如何继续帮助您?
- 在回到办公室后，您会因为这次培训而做的一件事是什么?
- 还有其他问题吗?

Closing & Wrap up – Speakers' Contacts / 闭幕与总结 – 演讲者联系方式

- Data Driven Urban Biodiversity Strategy / 数据驱动的城市生物多样性战略
 - Ted Wong (Ted.Wong@wri.org)
- Data Driven Urban Biodiversity Strategy / 数据驱动的城市生物多样性战略
 - Elizabeth Wesley (Elizabeth.Wesley@wri.org)
- Cities Role in Global Biodiversity Processes / 城市在全球生物多样性进程中的作用
 - Ingrid Coetzee (ingrid.coetzee@iclei.org)
- Nature-based Infrastructure & Biodiversity Finance / 基于自然的基础设施与生物多样性金融
 - John-Rob Pool (John-Rob.Pool@wri.org)
- Cities Biodiversity Index / 城市生物多样性指数
 - Jiang Yi (yi.jiang@iclei.org)
- Cost-benefit Assessment for NBS / 基于自然的解决方案（NBS）的成本效益评估
 - Michail Kapetanakis (mkapetanakis@iisd.org)
- World Green City Awards / 世界绿色城市奖
 - Audrey Timm (audrey.timm@aiph.org)
- ICLEI's TAP Program / ICLEI的TAP计划
 - Karishma Asarpota (karishma.asarpota@iclei.org)

Congratulations!

祝贺！



SITE VISIT REMINDER / 现场访问提醒

- Starts at 1:30pm / 下午1:30开始
- Meet on ground floor / 在地面层见面
- Put on your walking shoes / 穿上你的步行鞋
- Comfortable clothes / 舒适的衣服
- Bring a hat & umbrella / 带上帽子和雨伞。



Thank you! 谢谢!

