

Contributing to China Zero-waste Cities Initiative 积极探讨参与中国“无废城市”建设

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OUTLINE

- Introduction to AIIB 亚洲基础设施投资银行简介
- Towards a zero-waste Planet 迈向“无废城市”
- Linkages between AIIB's sectoral strategies with China
Zero-waste Cities Initiative 亚投行行业投资策略与中国“无废城市”建设
- AIIB's investment operations contributing to waste management – examples 亚投行在固废管理领域的实践案例

ABOUT AIIB

Asian Infrastructure Investment Bank
亚洲基础设施投资银行

Our mission

我们的任务

Financing Infrastructure for Tomorrow. By **investing in sustainable infrastructure**, AIIB unlocks new capital, new technologies and new ways in which to address climate change and connect Asia, and the world. We will achieve this working in partnership. By being agile and adaptable, we will meet client needs and operate to the highest standards.

为“明日”基础设施建设融资。通过投资可持续基础设施以应对气候变化和联通亚洲与全球，亚投行通过合作开启新资本、新技术、新路径，以灵活的机制、高标准行动服务客户需求。



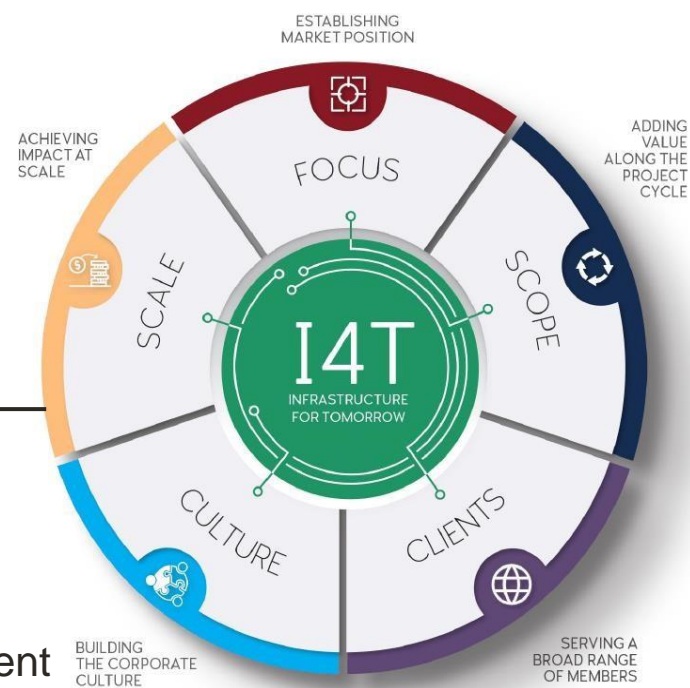
Our core values

核心价值观

Lean, with a small efficient management team and highly skilled staff.
精简 - 拥有高效管理和高技能团队

Clean, an ethical organization with zero tolerance for corruption.
清廉 - 对腐败零容忍

Green, an institution built on respect for the environment.
绿色 - 基于保护环境的发展



SHAREHOLDING STRUCTURE

103 approved members (103个批准的成员国)

Members Regional

Afghanistan
Australia
Azerbaijan
Bahrain
Bangladesh
Brunei Darussalam
Cambodia
China
Cook Islands
Cyprus
Fiji
Georgia
Hong Kong, China
India
Indonesia
Iran
Israel
Jordan
Kazakhstan
Korea
Kyrgyz Republic
Lao PDR
Malaysia
Maldives
Mongolia
Myanmar
Nepal
New Zealand
Oman
Pakistan
Philippines
Qatar
Russia
Samoa
Saudi Arabia
Singapore
Sri Lanka
Tajikistan
Thailand
Timor-Leste
Turkey
UAE
Uzbekistan
Vanuatu
Vietnam

Members Nonregional

Algeria
Austria
Belarus
Belgium
Benin
Canada
Côte d'Ivoire
Denmark
Ecuador
Egypt
Ethiopia
Finland
France
Germany
Ghana
Greece
Guinea
Hungary
Iceland
Ireland
Italy
Luxembourg
Madagascar
Malta
Netherlands
Norway
Poland
Portugal
Romania
Rwanda
Serbia
Spain
Sudan
Sweden
Switzerland
United Kingdom
Uruguay

Prospective Regional

Armenia
Kuwait*
Lebanon
Papua New Guinea
Tonga

Prospective Nonregional

Argentina
Bolivia
Brazil*
Chile
Croatia
Djibouti
Kenya
Liberia
Libya
Morocco
Peru
Senegal
South Africa*
Togo
Tunisia
Venezuela

INVESTING IN THE INFRASTRUCTURE FOR TOMORROW

A firm commitment to sustainability in all of its dimensions— economic, financial, social and environmental



Green Infrastructure 绿色基础设施

Promoting green infrastructure and supporting members to meet their local and national environmental and development goals, especially their commitments under the Paris Agreement and the United Nations' Sustainable Development Goals.



Connectivity and Regional Cooperation 互联互通与区域合作

Facilitating better transport, digital, energy and water connectivity within Asia and between Asia and the rest of the world. It will also support projects that facilitate trade, cross-border investment, tourism, financial and digital integration across Asian economies and beyond.



Technology-enabled Infrastructure 技术推动基础设施建设

Based on the enhanced recognition of the important role technology plays, AIIB will support projects where the application of technology delivers better value, quality, productivity, efficiency, resilience, sustainability, inclusion, transparency and better governance along the project cycle.



Private Capital Mobilization 带动社会资本

To support projects that directly or indirectly mobilize private financing into sectors within AIIB's mandate. Includes developing infrastructure as an asset class in Asia.

FINANCING INSTRUMENTS 金融措施

Range of instruments offered 各类融资工具

Sovereign loans	Non-sovereign-backed financing	Equity Investments	Guarantees
<ul style="list-style-type: none"> • Sovereign-backed loans will have an average maturity of up to 20 years and a final maturity limit of up to 35 years. (20-35 年贷款年限) • AIIB will continue to cofinance projects with other lenders in addition to expanding its standalone portfolio. (合作融资) • Appraisal of sovereign loans will take into account a full assessment of the project's benefits, risks and borrower implementation capacity. (全面评估项目效益、风险、实施机构能力) 	<ul style="list-style-type: none"> • The Bank is taking a progressive approach to building its book of nonsovereign-backed financing. This approach is based on sound banking practice. (渐进的非主权融资模式) • Borrowers could range from sub sovereign public entities to private enterprises. (范围包括主权以下的公共机构和/或私营企业等) • The terms and conditions will be set on a commercial basis and reflect the expected risk to the Bank and market conditions. (按照市场规则、风险签署协议) • AIIB's exposure can be up to 35 percent of the long-term capital of the obligor, or for a new project, up to 35 percent of the project's value. (最高投资额为项目总值的35%) 	<ul style="list-style-type: none"> • The Bank will only consider making equity investments under terms it considers fair, where clear potential exit strategies are present, and where an acceptable internal rate of return is projected. (股权投资注重考虑条款公平性、潜在风险、投资回报率) • Limit on Equity investments up to 10 percent of available capital. (股权投资额度设置上限为可用资本的10%) • The Bank expects to play the role of a minority investor and shall not seek a controlling interest in the target entity or enterprise. (仅作为中小投资人，不寻求对实体企业的控制权) 	<ul style="list-style-type: none"> • Partial Debt Guarantee are available to clients. The product is currently introduced for nonsovereign operations and incorporates partial debt guarantees and unfunded risk participations. (提供非主权项目的部分债务担保) • Projects involving guarantees will be appraised, processed, and monitored the same way as loans. (评估程序与贷款项目相同) • For capital headroom and exposure management purposes, guarantees will be treated as if they were on the balance sheet (i.e. treated the same way as loans). (与贷款项目相同处理进行风险敞口管理)

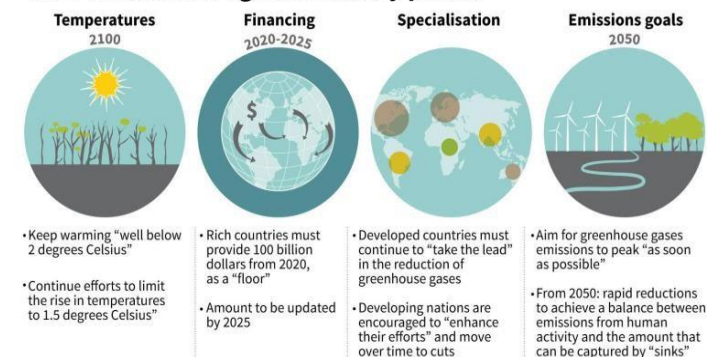
TOWARDS ZERO-WASTE PLANET 迈向“无废城市”

- Managing waste is critical for building **sustainable and livable** human settlements, particularly cities where they are mostly populous. It is challenging so requiring integrated systems that are efficient, sustainable, and socially supported. (固废管理是一项挑战，是一项高效、可持续、社会支持的综合系统工程)
- **Integrated Waste Management** (reduction, collection, composting, recycling, and disposal system) covers the entire lifecycle of waste: from generation to collection, transportation, treatment, and disposal, and applying BATs and BAPs. (固废管理需涵盖固废全生命周期管理，从产生、收集、到运输、填埋、处置等)
- Waste management **encompasses multiple areas and sectors**, including urban, energy, water, environment, climate change, health and population, social protection, and transportation. (固废管理涉及众多行业部门：城市、能源、水、卫生人口、社会、交通等)
- **“Zero-waste” contributes to SDGs and Paris Agreement Targets.** (“无废”有助于实现可持续发展目标和巴黎气候协定目标)
- **Circular economy - pathway towards “Zero-waste”:** value-chain and cradle-to- cradle approaches; restorative and regenerative system with *n*Rs (**R**ecover, **R**efuse, **R**educe, **R**ecycle, **shaRe**, **R**epair, **R**efurbish...- **RESOURCES**) (实现“无废”的路径- 循环经济：价值链、修复和再生系统等)
- **Citizen’s responsibility, Collective action, and Common goals** – awareness raising, polices and regulations, financing and infrastructure, innovation and technology, and sustainability... (公民责任、集体行动和共同目标：技术、政策、融资、基础设施、技术等)

SUSTAINABLE DEVELOPMENT GOALS



The Paris climate agreement: key points



LINKAGES BETWEEN AIIB'S SECTORAL INVESTMENT AND CHINA ZERO-WASTE CITIES INITIATIVE 亚投行行业投资策略与中国“无废城市建设”

Urban Strategy

城市战略

- **Investment priority areas:** Enhancing urban mobility, **Improving basic infrastructure and city resilience**, Promoting integrated development.
- Improving basic infrastructure and city resilience covering, amongst others: **Solid waste management, sewerage and wastewater treatment; urban drainage etc.**

- “无废城市”是以**创新、协调、绿色、开放、共享**的新发展理念为引领，通过推动形成绿色发展方式和生活方式，持续推进固体废物源头减量和资源化利用… “…实现整个城市固体废物产生量最小、资源化利用充分、处置安全的目标… (**minimize** waste generation, **maximize** resourcing of waste, **safe** management and disposal)

Energy Strategy

能源战略

- **Guiding principles:** Promote energy access and security, Realize energy efficiency potential, **Reduce the carbon intensity of energy supply, Manage local and regional pollution**, Catalyze private capital, Promote regional cooperation and connectivity.
- Reduce the carbon intensity of energy supply & Manage local and regional pollution: **Reduce CO₂ emission, waste to energy**

Water Strategy

水资源战略

- **Investment focus:** Water Services, Resources management, and Resilience
- Resources management: **Reduce pollution, improve water quality, reuse and recycle**

- …深入实施大气、水、土壤污染防治行动计划…加快垃圾处理设施建设…
- …**绿色生产、生活、垃圾资源化利用**…重点突破与整体创新…

Digital Infra Strategy

数字化基础设施战略

- **Investment areas:** Hard and Soft digital infra.
- *Benefits and outcome: Investment Enabler improved production, management, services, and transformation - High efficiency, effectiveness, and precision in almost all economic sectors and governance.*
- Environmental benefits: **Reduction of waste generation, CO₂ emission, and improving climate resilience**

INVESTMENT OPERATIONS CONTRIBUTING TO WASTE MANAGEMENT AND POLLUTION CONTROL: EXAMPLES

亚投行在固废管理领域的实践案例

Urban Sector 城市部门

- **India:** Kerala Solid Waste Management Project
印度：固体废物管理项目
- **Indonesia:** Mandalika Urban and Tourism Infrastructure
印度尼西亚：城市和旅游基础设施项目
- **Pakistan:** Khyber Pakhtunkhwa Cities Improvement Project (WSS, solid waste etc.)
巴基斯坦：城市改善项目（供水与卫生、固废等）
- **Maldives:** Greater Malé Waste-to-Energy Project
马尔代夫：工业固废（能源-气候变化）项目
- **Nepal:** Urban Governance and Infrastructure Project
尼泊尔：城市管理与基础设施项目

Energy Sector 能源部门

- **China:** Beijing-Tianjin-Hebei Low Carbon Energy Transition and Air Quality Improvement Project
中国：京津冀低碳能源转型和空气质量改善项目
- **China:** Beijing Air Quality Improvement and Coal Replacement
中国：北京空气质量改善与煤炭替代项目

Water Sector 水资源部门

- **Bangladesh:** Rural Water, Sanitation and Hygiene for Human Capital Development Project; Dhaka Sanitation Improvement Project; Municipal WSS Project
孟加拉国：农村水、环境卫生、个人卫生促进人力资本发展项目；达卡环境卫生改善项目；市政供水与卫生管理项目
- **Pakistan:** Karachi Water and Sewerage Services Improvement Project
巴基斯坦：供水和污水服务改善项目
- **Uzbekistan:** Bukhara Region WS & Sewerage Project; Karakalpakstan and Khorezm WS & Sanitation Project
乌兹别克斯坦：市政管理系统及污水工程项目；供水与卫生项目；

OPPORTUNITIES

- **Appreciate** experiences and learnings from China's Zero-waste Cities piloting projects. (向中国学习“无废城市”建设经验)
- **Welcome** ideas and exploration of opportunities for AIIB's participation and contribution. (欢迎各方与亚投行合作)
- **Look forward to** engagement and partnership with the Government, participation cities, investors and enterprises. (期待与政府、参与城市、企业建立合作关系)

Thank you!

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