

IFC: A Solution Provider for Sustainable Waste Management

Two billion people worldwide lack access to basic municipal solid waste collection services. More than 90 percent of waste in low-income countries continues to be burned or openly dumped. Society's most vulnerable are paying a high price: injury, illness, and loss of life from working in unsafe waste-picking conditions. The environment is also paying a high price, with our oceans choking on plastic waste, valuable land being contaminated by uncontrolled leachate, and methane emissions from landfills and dumpsites leading to significant greenhouse gas emissions.



92 B

tons of resources each year follow a linear economy path and are discarded at the end of the value chain (UNEP)

5%

of global emissions is estimated to come from the treatment and disposal of waste (World Bank)

18 M

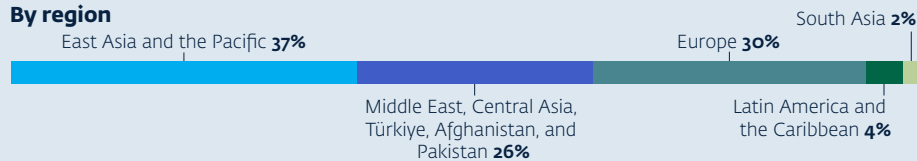
children and adolescents may be at risk from exposure to toxic e-waste through their work in the informal waste sector (WHO)

The seriousness of the situation makes financing the development of sustainable waste management infrastructure more important than ever. IFC works with clients in emerging markets to build, scale, and grow innovative, market-oriented, and long-term solutions.

Waste portfolio

IFC has a long track record and a global reach, with more than \$1.2 billion in waste sector commitments.

By region



Our approach

Collaborating closely across teams within the World Bank Group, IFC engages with **cities and private players** in emerging markets to explore potential opportunities through **the entire value chain** in the solid waste management sector. Through our offering of **investment and advisory services, access to blended finance, guarantees, and in-house expertise**, we work to provide a complete solution for all our clients.

The IFC Circularity Plus platform

IFC created the Circularity Plus platform to accelerate the development of sustainable waste solutions that reduce the climate impacts of cities and private waste generators. The program provides rapid advisory support to waste management companies and select municipal governments looking to develop projects with a focus on circularity.

About IFC















- Largest multilateral source of debt and equity financing for the private sector in developing countries
- AAA-rated by S&P and Moody's
- Loans, equity, quasi-equity, local currency and risk management products, capital markets access, and mobilization
- Advisory services to help develop priority projects, structure and tender PPPs, and improve financial management
- World-class social, environmental, and corporate governance standards and risk mitigation
- Unrivaled expertise in structuring financial instruments such as sustainability-linked, green, and blue bonds and loan, as well as mobilizing blended finance

IFC's Waste Management Business: Working Along the Waste Value Chain



Selected IFC waste management projects

TRANSACTIONS

<p>Poland</p>  <p>Elemental</p> <p>\$90 million</p> <p>Equity</p> <p>2022</p> <p>E-waste</p>	<p>China</p>  <p>BGE</p> <p>Invest 1: \$60 million Invest 2: \$60 million</p> <p>Bond/loan</p> <p>2022, 2019</p> <p>Waste to energy</p>	<p>Middle East/Africa</p>  <p>Averda</p> <p>\$30 million</p> <p>Loan</p> <p>2022</p> <p>Multi-material recycling</p>	<p>China</p>  <p>New CWI</p> <p>\$50 million</p> <p>Equity</p> <p>2022</p> <p>Landfill gas to energy</p>	<p>Vietnam</p>  <p>Bac Ninh</p> <p>\$30 million</p> <p>Loan</p> <p>2022</p> <p>Waste to energy</p>
<p>China/Indonesia</p>  <p>Alba Asia</p> <p>Tranche 1: \$60 million Tranche 2: \$40 million</p> <p>Loan/equity</p> <p>2022, 2020</p> <p>Hazardous waste and bio-waste</p>	<p>Thailand</p>  <p>Indorama</p> <p>\$300 million</p> <p>Blue loan</p> <p>2020</p> <p>Plastic recycling</p>	<p>Serbia</p>  <p>Belgrade</p> <p>\$178 million</p> <p>A/B loan, BF</p> <p>2019</p> <p>Waste to energy</p>	<p>China</p>  <p>Canvest</p> <p>Invest 1: \$60 million Invest 2: \$180 million</p> <p>Loan</p> <p>2018, 2016</p> <p>Waste to energy</p>	<p>China</p>  <p>C&G</p> <p>\$5 million</p> <p>Equity</p> <p>2015</p> <p>Waste to energy</p>
<p>China</p>  <p>Aihuishou</p> <p>\$5 million</p> <p>Equity</p> <p>2014</p> <p>E-waste</p>	<p>Brazil</p>  <p>Estre Ambiental</p> <p>\$24.4 million</p> <p>Loan/quasi-equity</p> <p>2009</p> <p>Sanitary landfill</p>	<p>Mexico</p>  <p>Petstar</p> <p>\$13.6 million</p> <p>Loans/QE/Swap</p> <p>2007</p> <p>Plastic recycling</p>	<p>China</p>  <p>China Green</p> <p>\$20 million</p> <p>Loan/equity</p> <p>2004</p> <p>Waste to energy</p>	

ADVISORY

<p>Argentina</p> <p>City of Buenos Aires</p> <p>Feasibility study & advisory, solid waste management treatment & disposal</p>	<p>Colombia</p> <p>City of Bogota</p> <p>Pre-feasibility study & advisory, solid waste management, treatment & disposal</p>	<p>Colombia</p> <p>Empresas Publicas Medellin</p> <p>Pre-feasibility study & advisory, solid waste management, treatment & disposal</p>	<p>Serbia</p> <p>City of Belgrade</p> <p>PPP advisory, waste-to-energy & landfill remediation</p>	<p>Turkey</p> <p>Municipality of Izmir</p> <p>Feasibility study & advisory, solid waste management treatment & disposal</p>
--	--	--	--	--

IFC waste contacts

Rajesh Sinha
Murat Karaege
Pierre Casabonnet
Sun Hao
Lamitiurida Hutarabat
Neeraj Gupta
Gaetan Tiberghien
Juan Payeras

Global Sector Lead, Solid Waste Management
Senior Investment Officer (Europe)
Senior Operations Officer (MCT)
Senior Investment Officer (China)
Principal Investment Officer (East Asia & Pacific)
Principal Investment Officer (South Asia)
Principal Investment Officer (Africa)
Chief Investment Officer (LAC)

rsinha@ifc.org
mkaraege@ifc.org
pcasabonnet@ifc.org
hsunt@ifc.org
lhutabararat@ifc.org
ngupta@ifc.org
gtiberghien@ifc.org
jpayeras@ifc.org