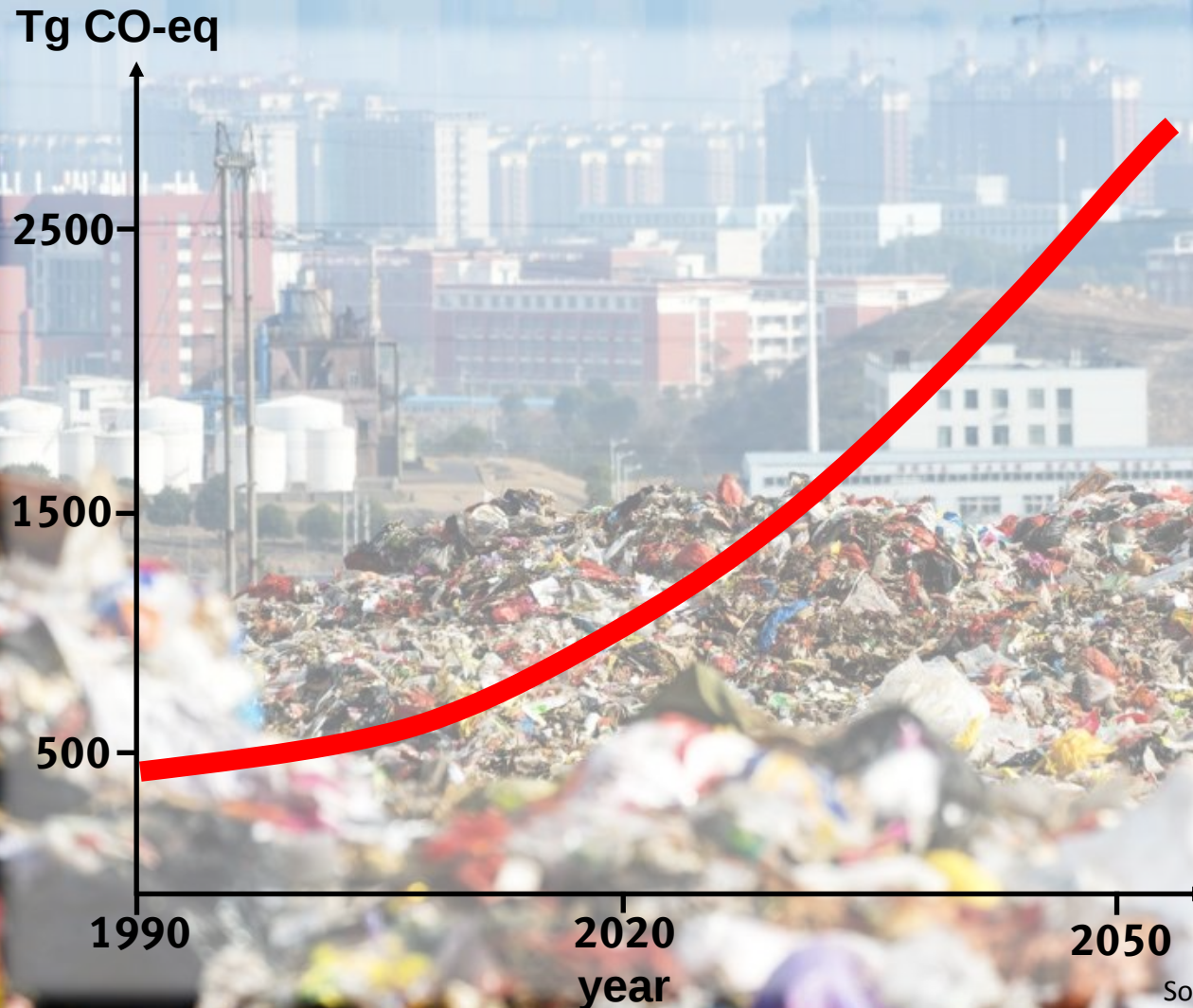




WASTE MANAGEMENT

**TO COMBATE
CLIMATE CHANGE**

METHANE EMISSIONS FROM LANDFILL WILL RISE





**DISPOSING
UNTREATED
WASTE**

An aerial photograph of a dense urban landscape, likely São Paulo, Brazil. In the foreground, a large, curved building with a distinctive yellow, ribbed facade dominates the left side. To its right, a tall, white, cylindrical skyscraper with a grid of windows stands prominently. The background is filled with a vast sea of colorful, multi-story buildings under a cloudy sky. The text "INTEGRATED WASTE MANAGEMENT" is overlaid in large, bold, black capital letters across the center of the image.

INTEGRATED WASTE MANAGEMENT

KEY TO RECYCLING

An aerial photograph of a dense urban landscape, likely São Paulo, Brazil. In the foreground, a large, curved building with a distinctive yellow, ribbed facade is visible. The background is filled with a vast number of high-rise buildings of various colors and heights, stretching towards the horizon under a cloudy sky.

INTEGRATED WASTE MANAGEMENT

**offers 12-18% GHG MITIGATION
POTENTIAL***

*** Emerging and developing countries**

Source: gianliguori / Fotolia.com



SEPARATING & COMPOSTING OF ORGANIC WASTE

**CAN AVOID
50-90% CH₄
EMISSIONS***

* Compared to landfill of untreated waste

Source: photka / Fotolia.com

**COMPOSTING
GENERATES**

FERTILE SOIL

A photograph of an industrial facility, likely a waste-to-energy plant. Several tall, silver, cylindrical smokestacks or chimneys rise from the ground, connected by a network of pipes. In the background, there are large, dome-shaped storage tanks. The sky is blue with scattered white clouds. The overall scene suggests a process of industrial transformation.

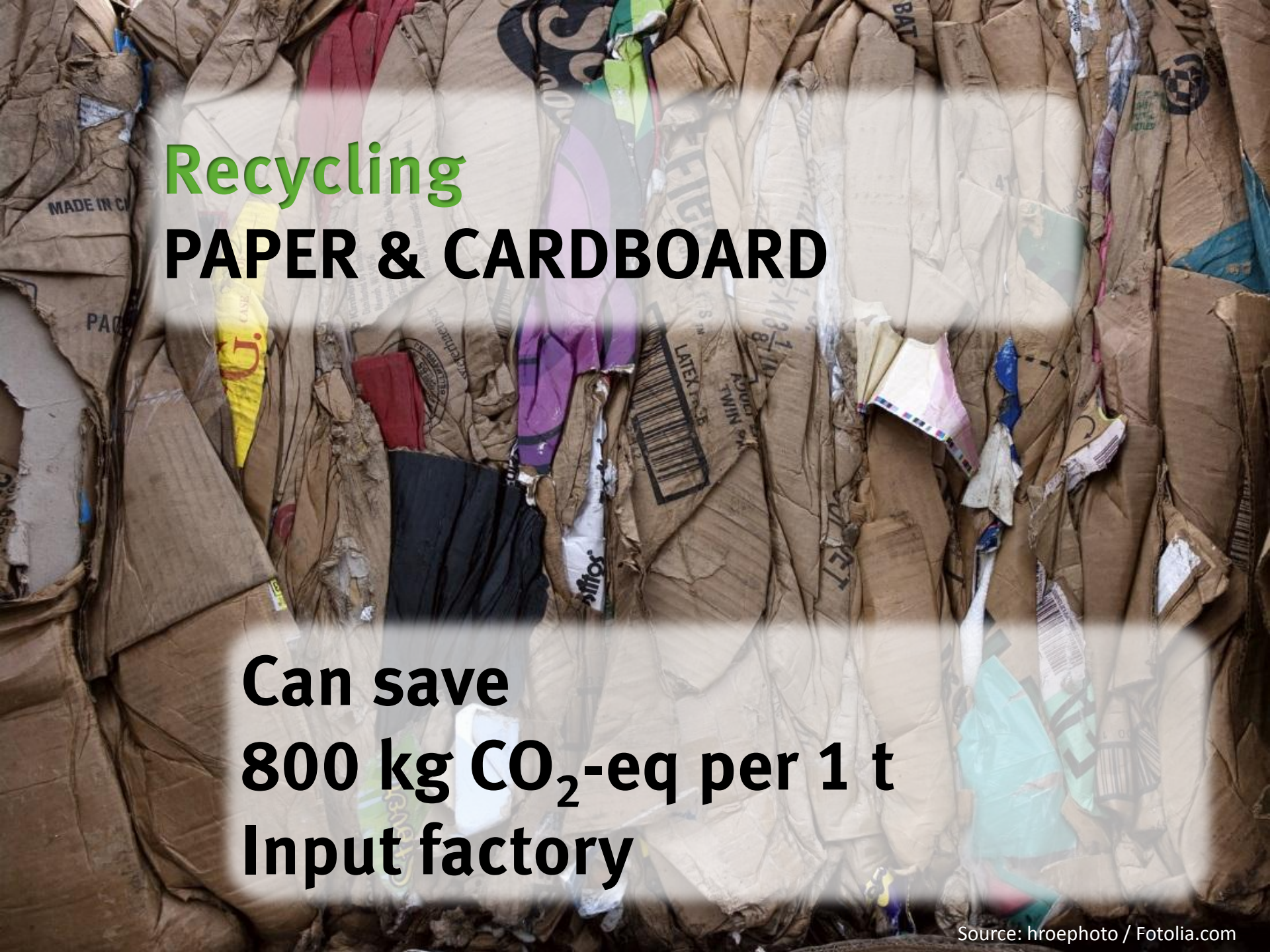
TURN YOUR WASTE

**FROM BURDEN
INTO BENEFIT**

A row of green glass bottles is shown on a conveyor belt in a factory setting. The bottles are arranged in a line, receding into the background. The lighting is bright, highlighting the green color of the glass. The background is slightly blurred, showing industrial structures.

Recycling GLASS

**Can save
500 kg CO₂-eq per
1 t Input factory**



Recycling **PAPER & CARDBOARD**

**Can save
800 kg CO₂-eq per 1 t
Input factory**

Recycling
PLASTIC – MIX
Low Quality

**Can save
100 kg CO₂-eq per 1 t
Input factory**



Recycling

PLASTIC – SEPARATED

High Quality

**Can save up to
1500 kg CO₂-eq per 1 t
Input factory**

A young man with dark hair, wearing a bright yellow t-shirt, a yellow apron, and black gloves, is smiling at the camera. He is standing in a recycling facility, surrounded by large white plastic crates filled with sorted plastic waste. In the background, another person is visible, and the walls are made of brick. The floor is covered with a large pile of plastic waste.

**SUPPORT
RECYCLING**

**FOR BETTER WORKING &
LIVING CONDITIONS**

**For further information please
check our studies and website
via following codes:**

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The Climate Change Mitigation Potential of the Waste Sector

OECD, EU, USA, India, Egypt

[www.umweltbundesamt.de/en/publikationen/
the-climate-change-mitigation-potential-of-the](http://www.umweltbundesamt.de/en/publikationen/the-climate-change-mitigation-potential-of-the)

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Climate Relevance of the Waste Management Sector

[www.umweltbundesamt.de/en/publikationen/
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sector](http://www.umweltbundesamt.de/en/publikationen/climate-relevance-of-waste-management-sector)

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Climate Protection Potential in the Waste Management Sector

Municipal Waste and Waste Wood

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