

8:45 am Pacific Time
October 3, 2024



Plenary #1

Exploring the Climate / Zero Waste Connection

Speakers:

**Hayden Sloan
Erica Jung
Apurva Singh**

**Neil Tangri
David Merrill
Jay Bassett**

Moderator: Dennis Uyat

Day 2 • Zero Waste Communities

Hosted by:



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Dennis Uyat

Program Committee

Zero Waste USA

(Moderator)

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Hayden Sloan

Strategic Director of Communications

Race to Zero Waste

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Erica Jung

**Co-Founder
DegrowNYC**

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Apurva Singh

Researcher

Metabolic

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Neil Tangri, Ph.D.

**Science and Policy Director
GAIA Global**

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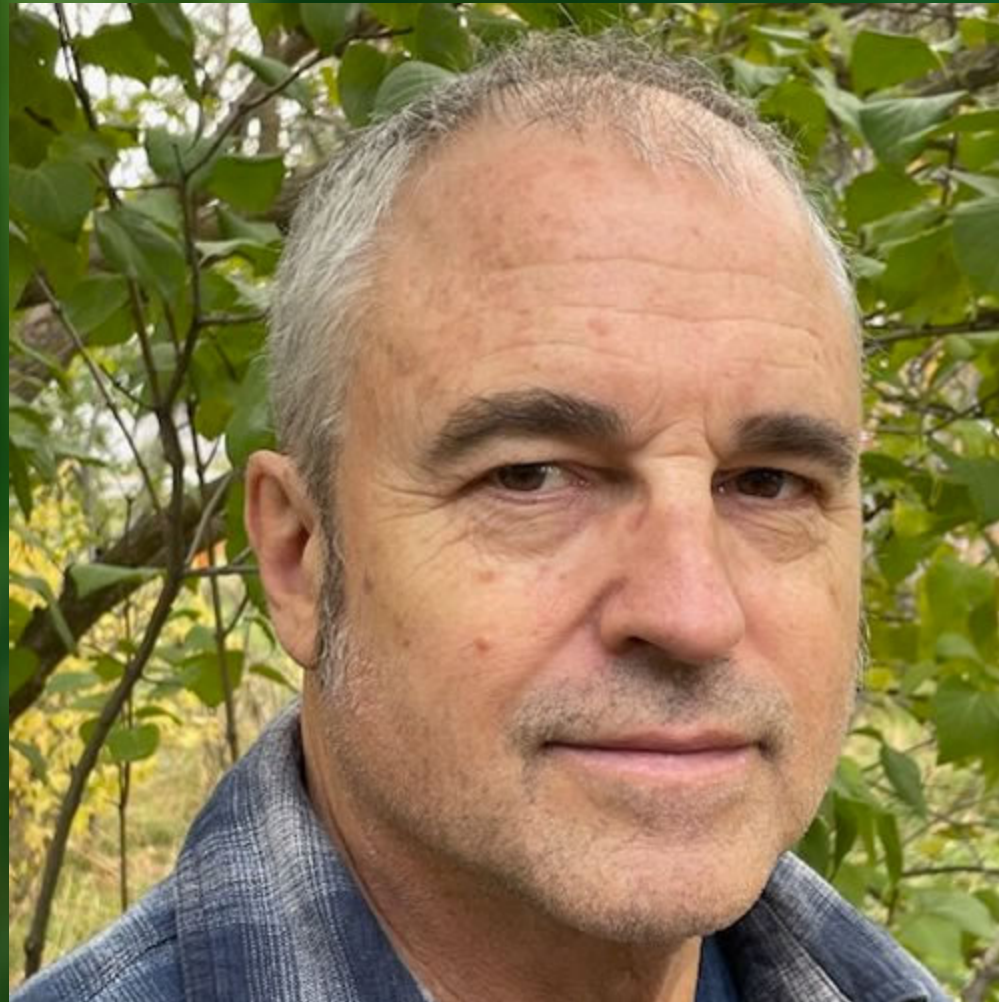
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David Merrill

**Project Director
Climate North Star**

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Jay Bassett

Past-Chair

National Recycling Coalition

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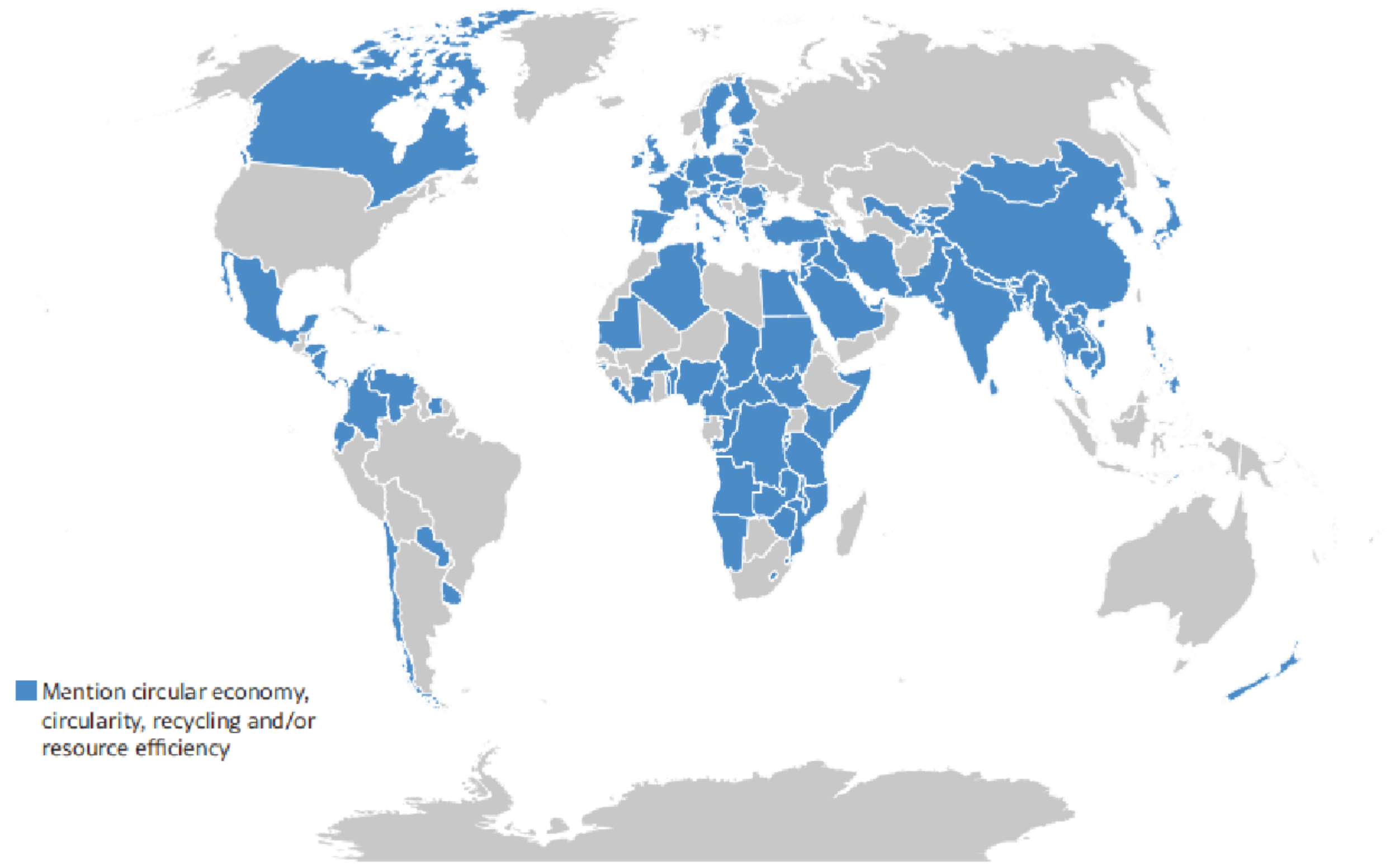
ZERO WASTE & CLIMATE CHANGE

NDC CONTENT

NDC = Nationally
Determined Contribution

Wang, K., M. Costanza van den Belt, G. Heath, J. Walzberg, T. Curtis, J. Barrie, P. Schroder, L. Lazer, and J. C. Altamirano. 2022. "Circular economy as a climate strategy: current knowledge and calls-to-action." Working Paper. Washington, DC: World Resources Institute.

Figure 5 | COP parties with circular or equivalent strategies mentioned in NDCs based on 2022 data



Source: This map was made using the keyword search functionality on WRI's Climate Watch. Keywords used: circular, recycling, resource efficient, and resource efficiency. Each mention of 'circular' was checked manually and only those that referenced a circular economy were included. Each mention was also scanned to determine whether systemic, upstream circular economy strategies are included. The NDCs that have not yet been added to Climate Watch were searched manually using the same methodology as above.

THE ZERO WASTE HIERARCHY 8.0

For detailed version visit www.zwia.org/zwh

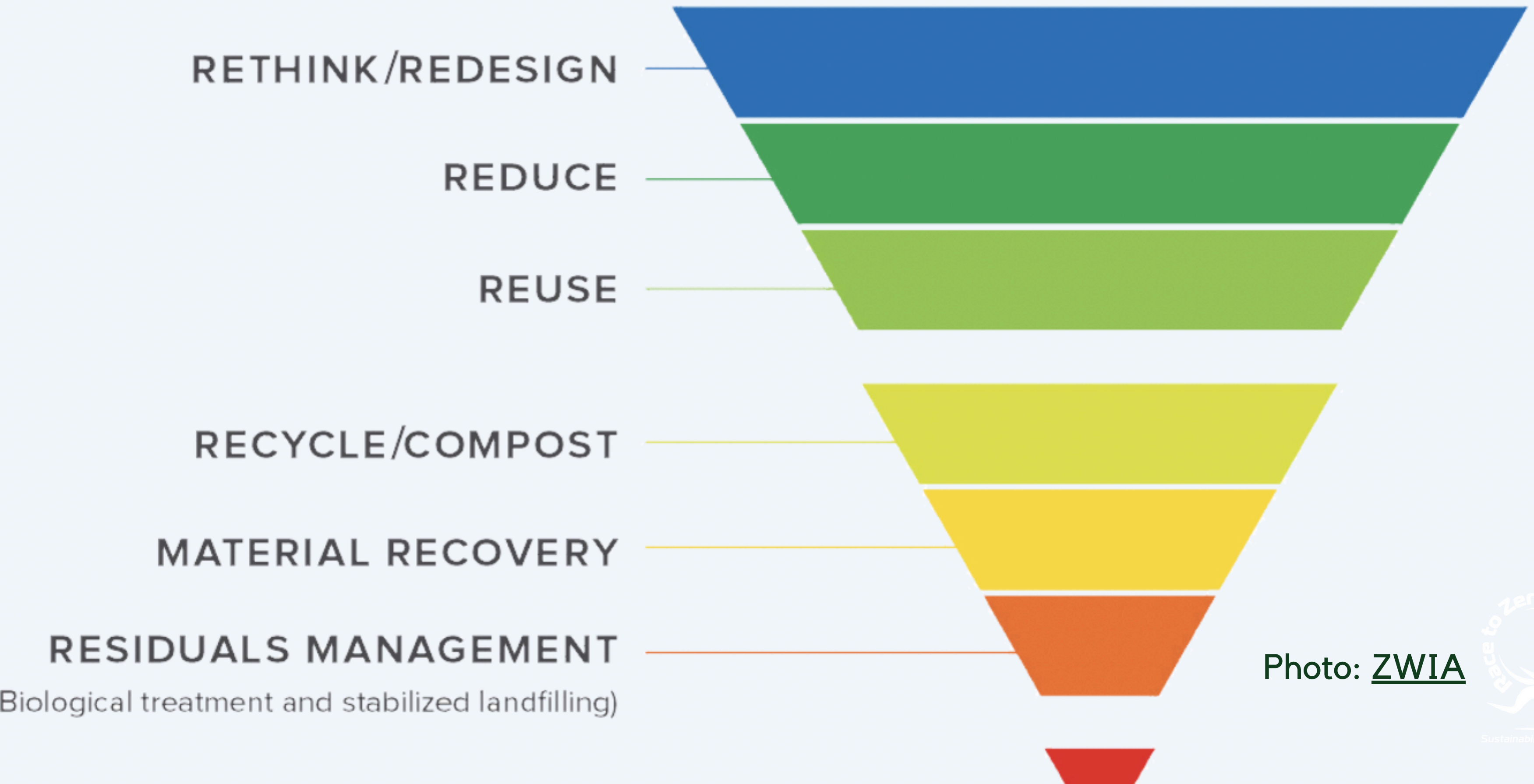
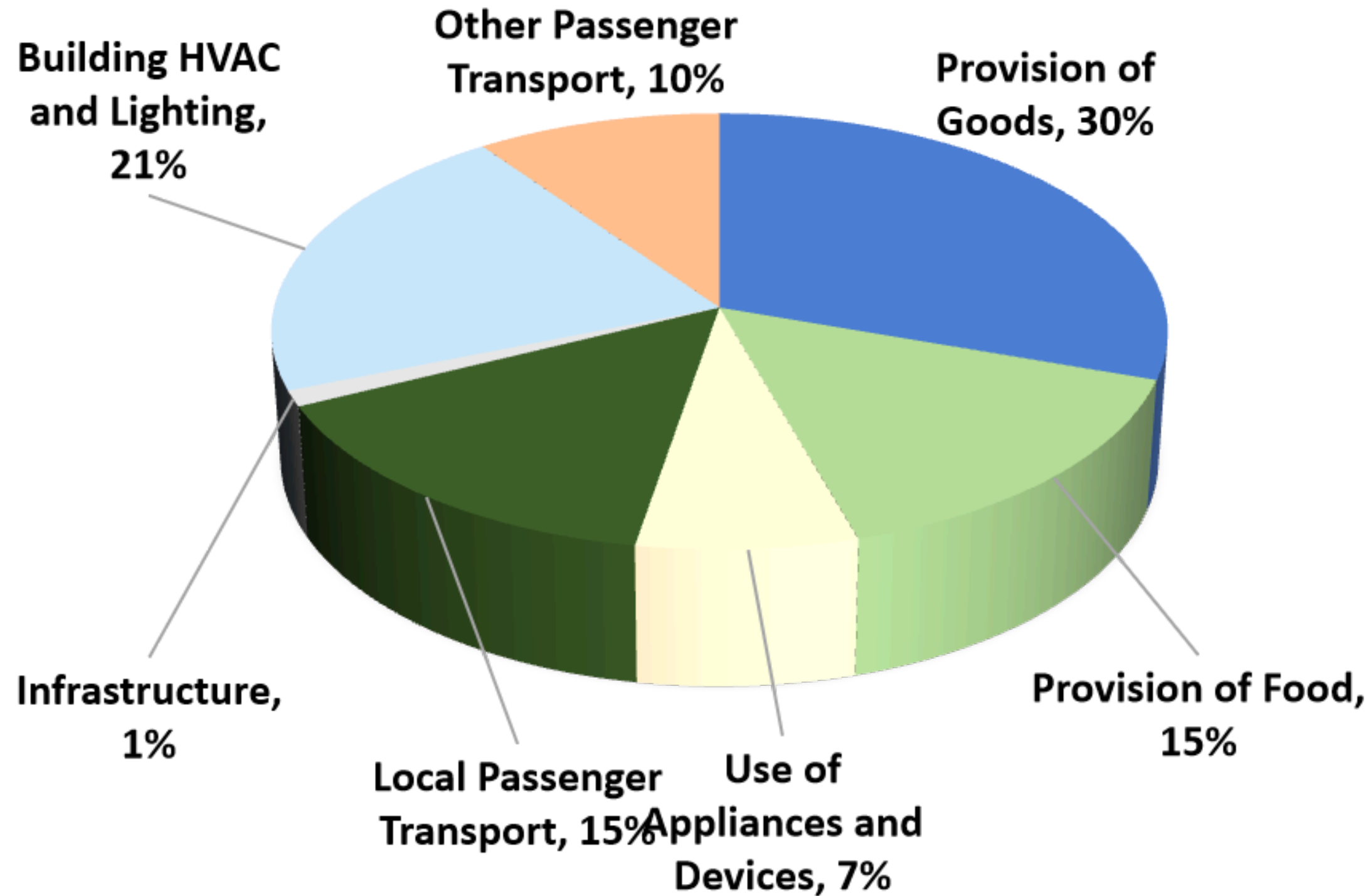


Photo: ZWIA



U.S. GREENHOUSE GAS (GHG) EMISSIONS: SYSTEMS BASED VIEW - 2021



Source: U.S. EPA Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990-2021.

Based on methods from Opportunities to Reduce Greenhouse Gas Emissions through Materials and Land Management Practices

Scope 1, 2, and 3 explained

■ Direct emissions ■ Indirect emissions

	Scope 1	Scope 2	Scope 3
Phase of production cycle	During production	Upstream	Both upstream and downstream
Activities	Scope 1 emissions are released when a company manufactures a product or delivers a service.	Scope 2 emissions are released by off-site energy providers when a company makes a purchase.	Upstream, they are released from the activities that a company engages in prior to production, from employee commuting to leased assets to transportation and distribution. Downstream, Scope 3 emissions are released from use or disposal of a product or service.

Source: McKinsey & Company 2024 article, "What are Scope 1, 2, and 3 emissions?"

DISCUSSION

