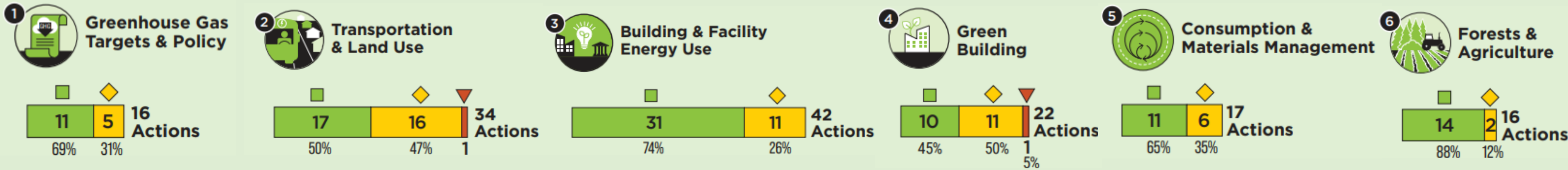
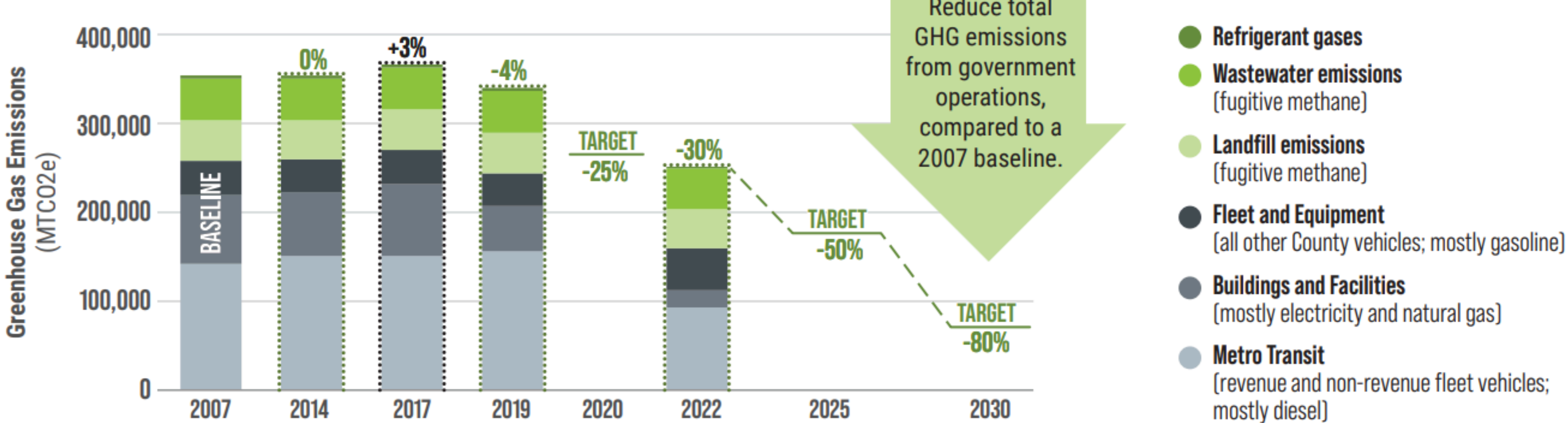


King County Strategic Climate Action Plan

Priority Action Dashboard



KING COUNTY GOVERNMENT OPERATIONAL EMISSIONS



The role of trade and investment in the diffusion of socio-environmental certification systems among climate-exposed mining companies



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Minerals play a pivotal role in the energy transition, yet their extraction often occurs in vulnerable contexts, prompting social and environmental justice concerns.

Government and market inaction motivate private initiatives to promote high standards on mineral extraction through alternative governance approaches.

Globally, four credible voluntary certification systems exist that apply to energy-transition-related minerals, yet their adoption rate varies among mining industry companies.

> What explains that variation?

Hypotheses

H1. Companies exporting to countries with higher environmental standards should be more likely to join voluntary certifications (California effect)

H2. Subsidiaries of firms headquartered in countries with high environmental standards should be more likely to certify (Investment effect).

Data & Empirical Strategy

Event history analysis across forty Peruvian copper mining companies from 2018 to 2023 (240 observations).

DV: Mining company joined a certification initiative during period of observation.

Certification initiatives in dataset



Uptake: geographic distribution

Copper Mining Companies in Peru

2019

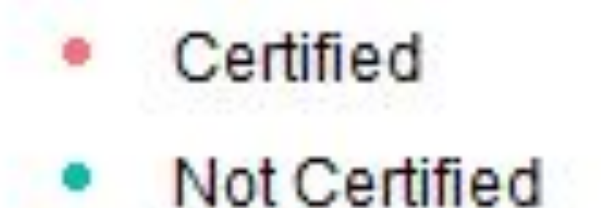
2023



Production
(Thousands of Metric Tons)



Status

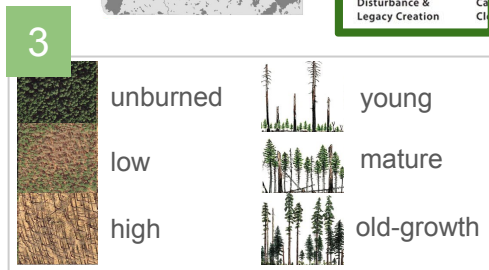


Export destinations

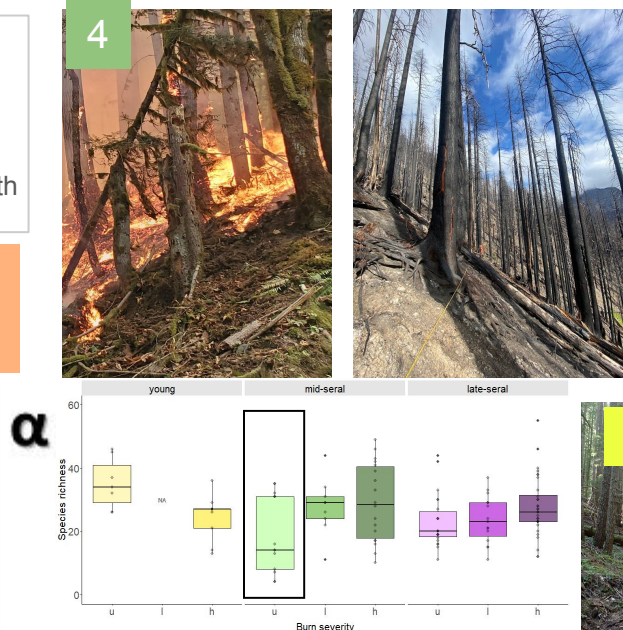
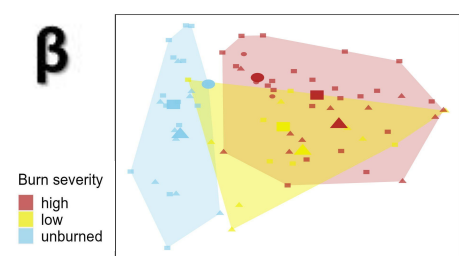
Exports to high environmental performers



the Harvey Lab
Fire and disturbance ecology of forest landscapes



216 species total
36% unique to burned
12% unique to unburned



18 spp
vs. 23-35

Fire is an essential ecosystem process that provides high levels of unique floral diversity across a mosaic of landscapes