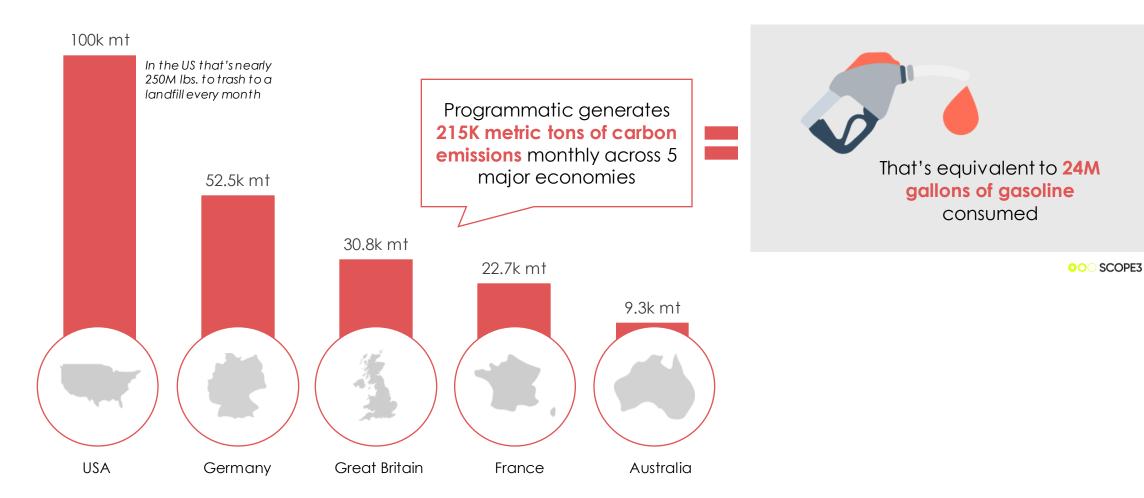
ATTENTIONX SUSTAINABILITY

The Benefits Of A Smaller Carbon Footprint In Media

Programmatic generates carbon emissions equivalent to 24M gallons of gasoline on a monthly basis



M/GNA MEDIATRIALS ORACLE Advertising

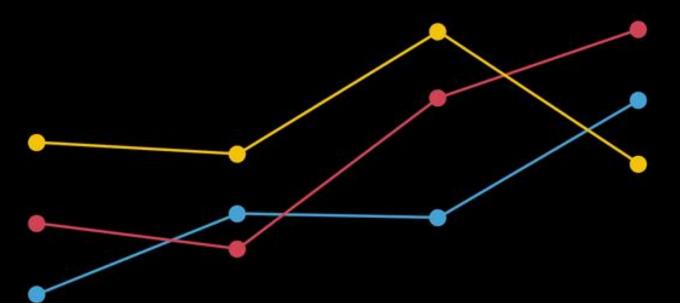
Source: Scope3 State of Sustainability Report – Q1 2023

We need to start thinking about...

How we can reflect sustainability in our advertising practices

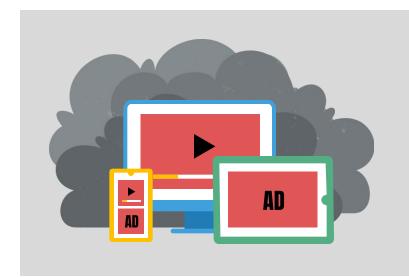


RESEARCH WAS CONDUCTED



...TO EXPLORE THE RELATIONSHIP BETWEEN KEY METRICS AND CARBON EMISSIONS

Our approach



Live Campaign Tracking

Measured the effectiveness of display and video campaigns globally, along with carbon emissions

of impressions = Over 1 Billion # of countries = 55



Al Based, Predictive Eye-tracking

Used predictive eye-tracker to measure attention to ads across a wide range of US websites

of ads tracked = **350** # of websites = **100**

Our metrics

SCOPE3 CARBON EMISSIONS

MOAT METRICS

AI BASED, PREDICTIVE EYE-TRACKING

OOO SCOPE3

gCO₂e:

Total grams of carbon dioxide released from digital impression delivery



Time In-View:

The average time in seconds the ad met the requirement for an in-view impression



Moat Display Score:

A score (300-850) based on in-view rate, in-view time, universal interaction rate, and universal interaction time, among other factors



Engagement Score:

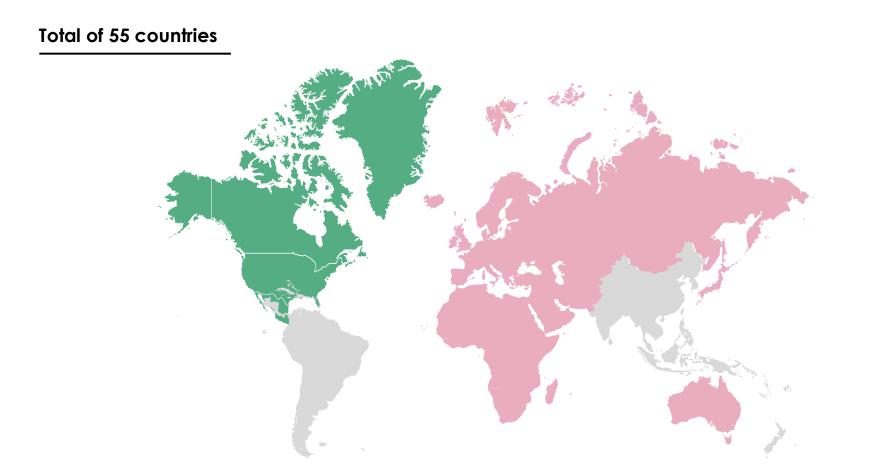
A score (0-100) based on the average time spent on the page, average interaction time, among other factors

Visual Attention:

% of total predicted time spent looking at an ad on a webpage



Expansive scope



Verticals



Tech



Apparel



Casual Dining



Financial Services



Travel



Entertainment

Strong correlation between longer in-view time and lower carbon emissions

This is maybe related to the total ad load on each page. Naturally, more ads loading result in higher emissions. At the same time, pages with many ads are less likely to have high viewability for all placements

Correlation between in-view time & carbon emissions (gCO₂e)

OOO SCOPE3

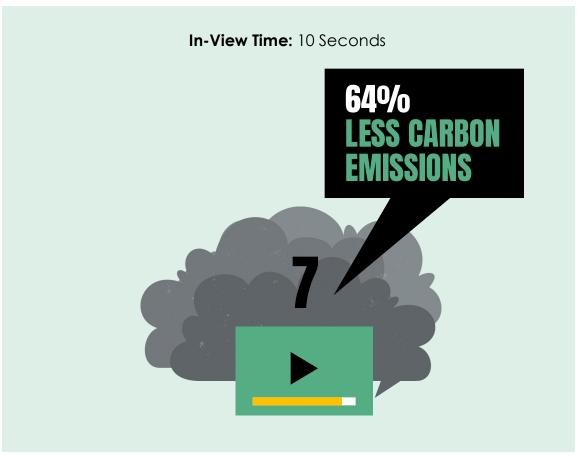


In fact, ads in view twice as long can have 2/3rd less emissions

Carbon emissions (gCO₂e) by ad in-view time

OOO SCOPE3

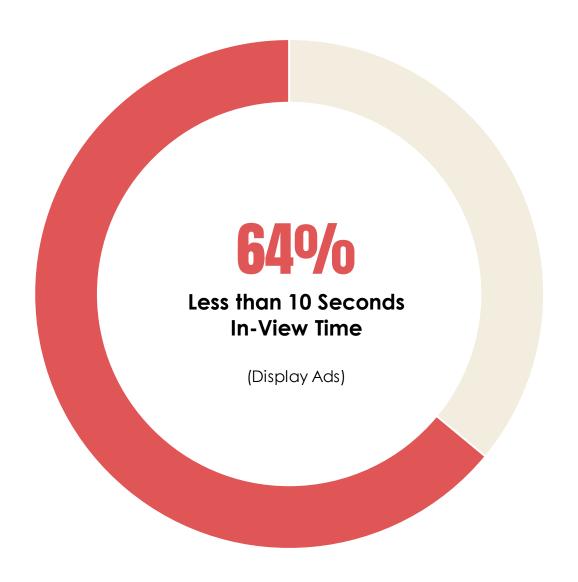




8

However, most ads don't achieve 10 second in-view time

% of display ads by in-view time



Non-MRC compliant impressions don't cost the brand, but they cost the planet

% of carbon emissions (gCO₂e) due to Non-MRC impressions

OOO SCOPE3



NON-MRC Impressions (Display and Video) n= 55,155,406



= 157 MM METRIC TONS OF CO2E/YEAR = 34,144 CARS/YEAR

Based on the number of display ads served in the US in 2021

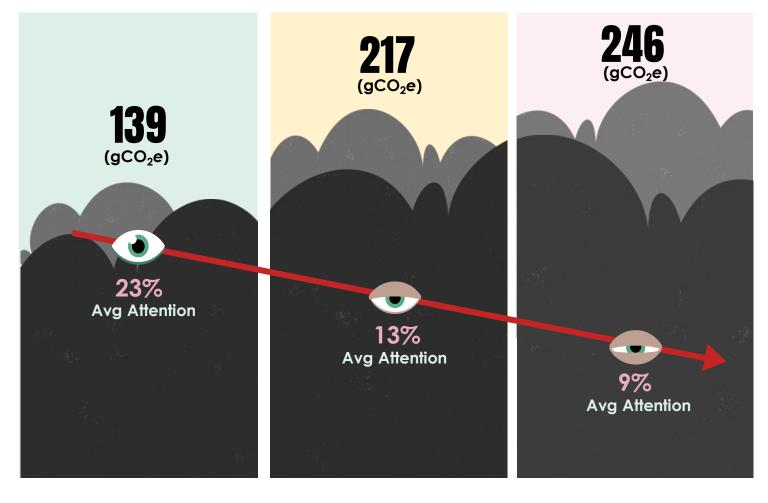


Webpages with fewer ads above the fold garnered more attention and generated fewer emissions

Visual attention (Al based, Predictive eyetracking):

% of total predicted time spent looking at an ad on a webpage Average visual attention & carbon emissions (gCO₂e) by number of ads above the fold

OOO SCOPE3



One ad above the fold

Two ads above the fold

Three ads above the fold



Higher quality metrics strongly correlated to generating lower carbon emissions

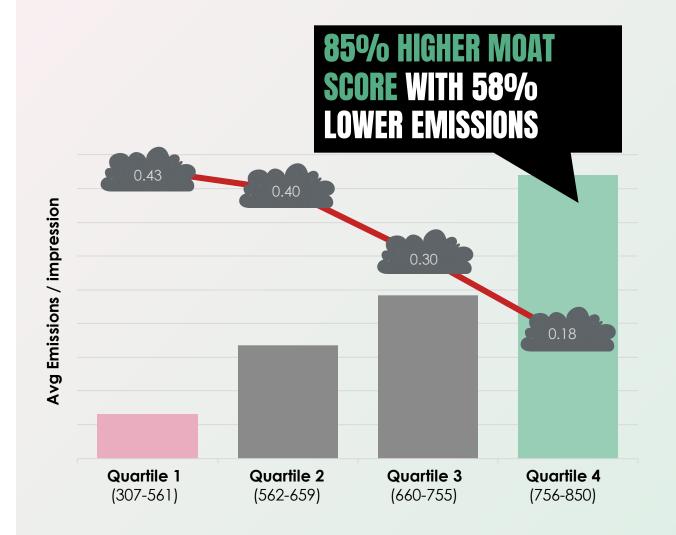
Moat display score:

A score (300-850) based on in-view rate, in-view time, universal interaction rate, and universal interaction time, among other factors

Average Emissions Per Impression (gCO₂e)

by Moat display score

OOO SCOPE3



Moat Display Score by Quartile

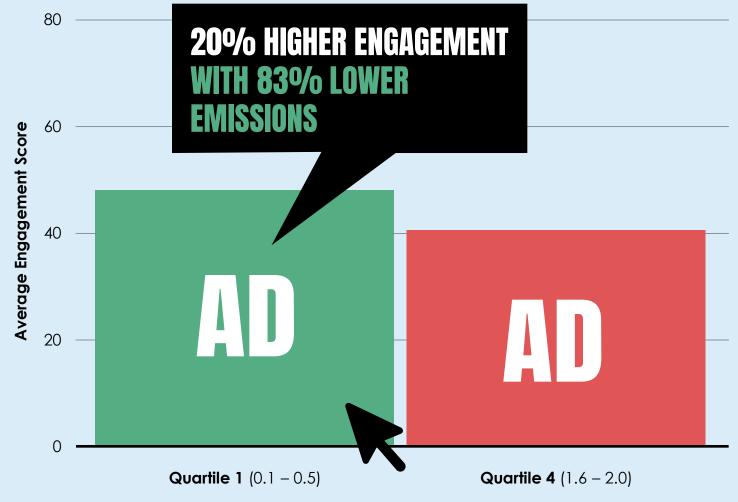
Higher engagement had lower carbon emissions

Engagement score:

A score (0-100) based on the average time spent on the page, average interaction time, among other factors

Average engagement score by carbon emissions (gCO₂e)

OOO SCOPE3



Emissions/Impression

Higher engagement tied to lower carbon emissions is consistent across markets

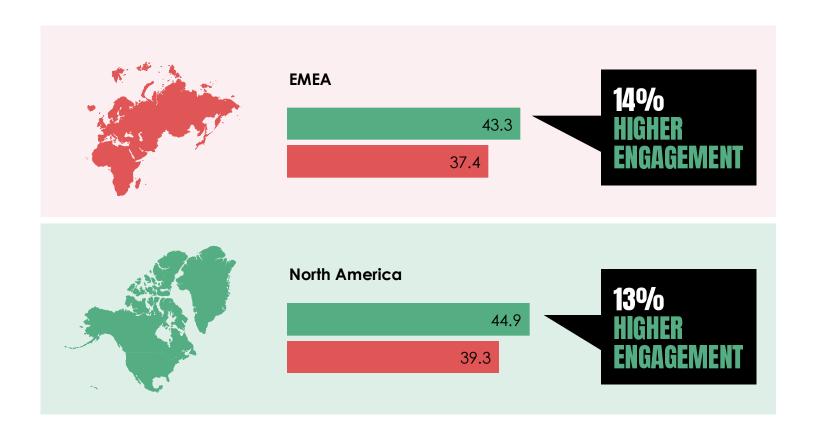
Average engagement score

by carbon emissions (gCO₂e)

OOO SCOPE3

■ Quartile 1 (0.1 – 0.5)

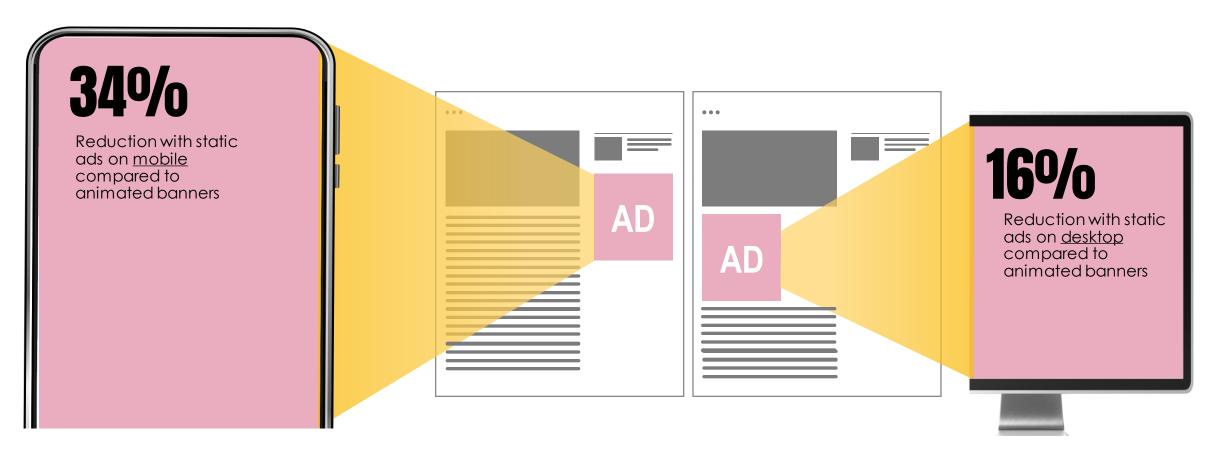
■ Quartile 4 (1.6 – 2.0)



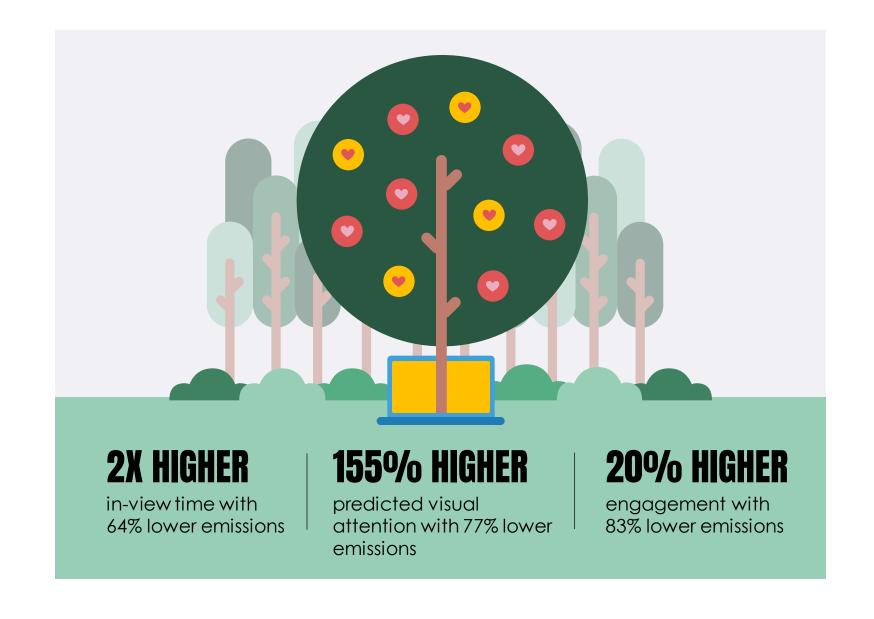
Regardless of device, static banners produce less carbon emissions

% Reduction in carbon emissions (gCO₂e) using static instead of animated banners

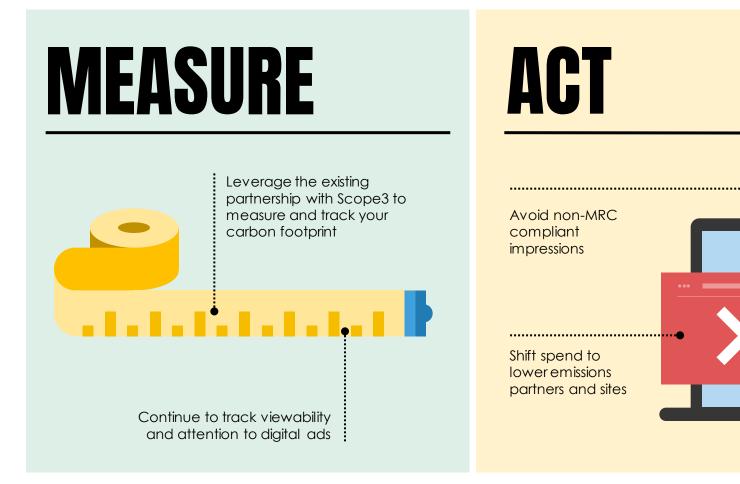
OOO SCOPE3

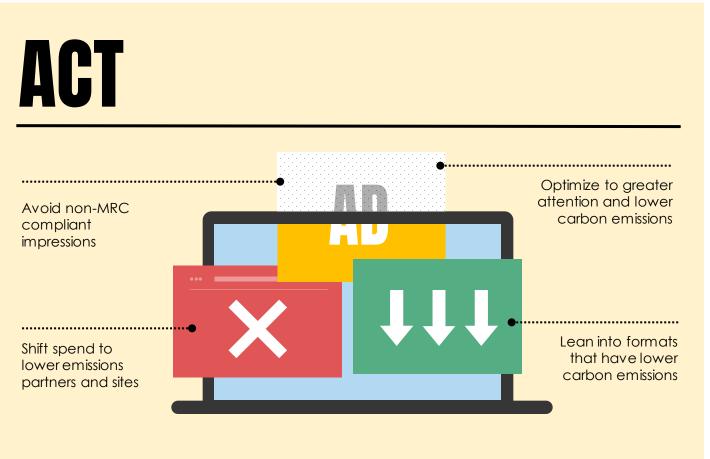


It's within reach to be both, purposeful and profitable



What next?





THANK YOU

