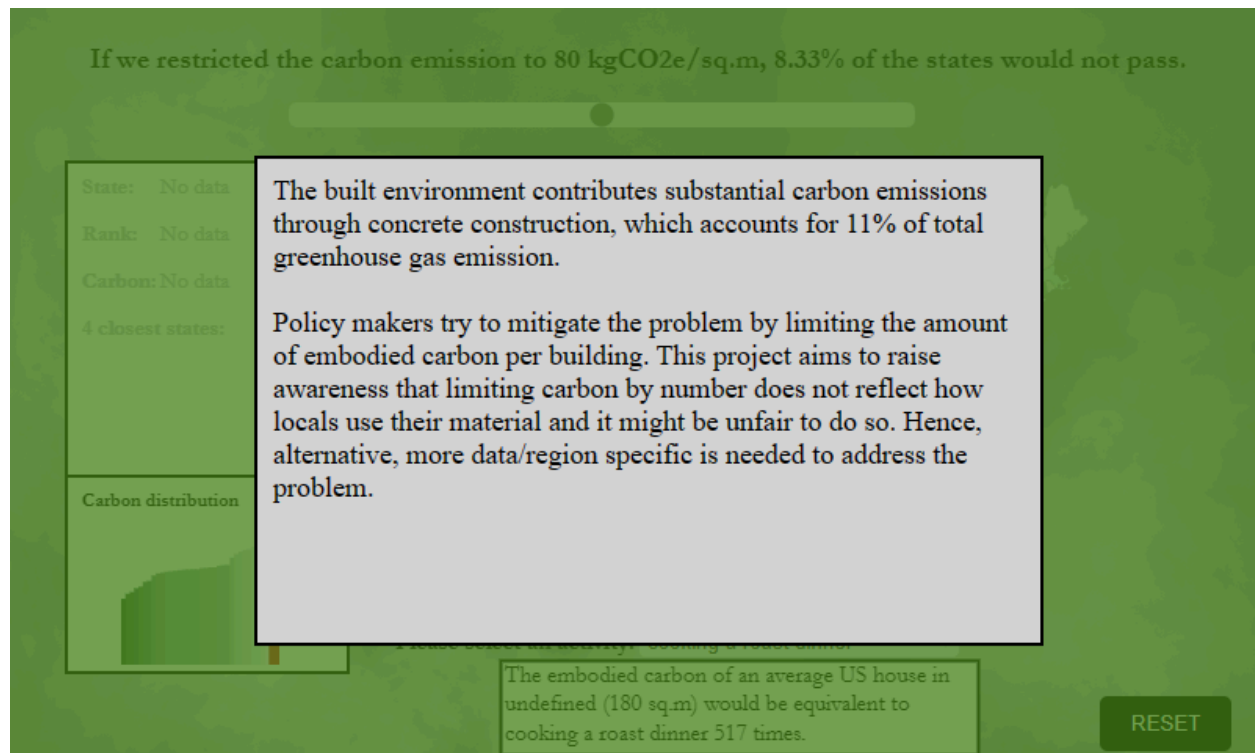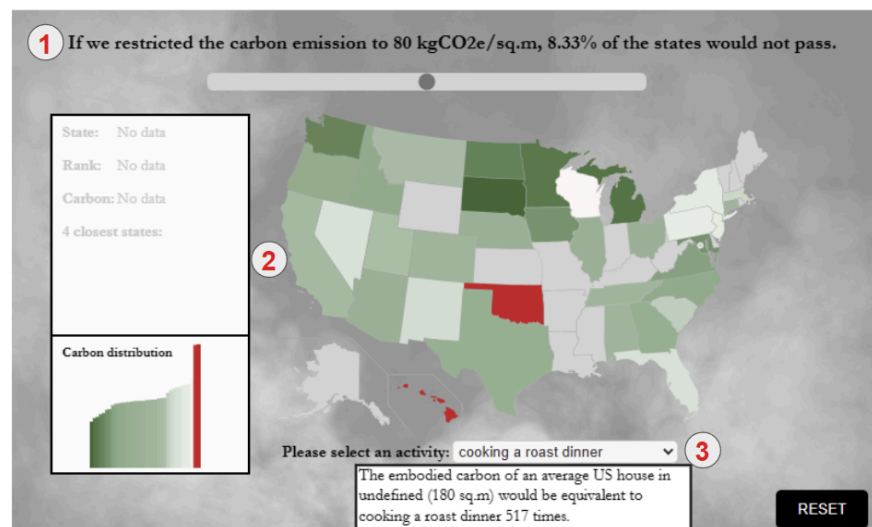Start with the intro page addressing the current situation in the built environment + why are we doing this?

If we restricted the carbon emission to 80 kgCO2e/sq.m, 8.33% of the states would not pass.

State: No data

Rank: No data

Carbon: No data

4 closest states:

Carbon distribution

The built environment contributes substantial carbon emissions through concrete construction, which accounts for 11% of total greenhouse gas emission.

Policy makers try to mitigate the problem by limiting the amount of embodied carbon per building. This project aims to raise awareness that limiting carbon by number does not reflect how locals use their material and it might be unfair to do so. Hence, alternative, more data/region specific is needed to address the problem.

The embodied carbon of an average US house in undefined (180 sq.m) would be equivalent to cooking a roast dinner 517 times.
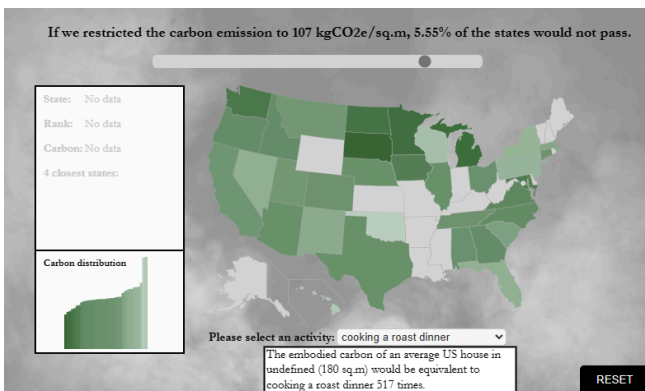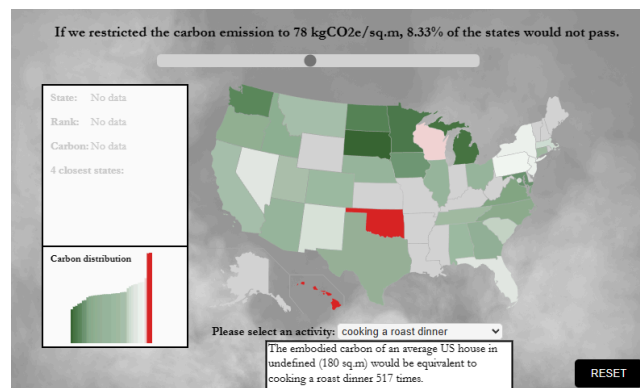
RESET

The visualization consists of 3 parts:
1. Policy Limiting
2. State inspection
3. Carbon equivalent

(1) If we restricted the carbon emission to 80 kgCO2e/sq.m, 8.33% of the states would not pass.

State: No data

Rank: No data

Carbon: No data

4 closest states:

(2)

Carbon distribution

Please select an activity: cooking a roast dinner   (3)

The embodied carbon of an average US house in undefined (180 sq.m) would be equivalent to cooking a roast dinner 517 times.
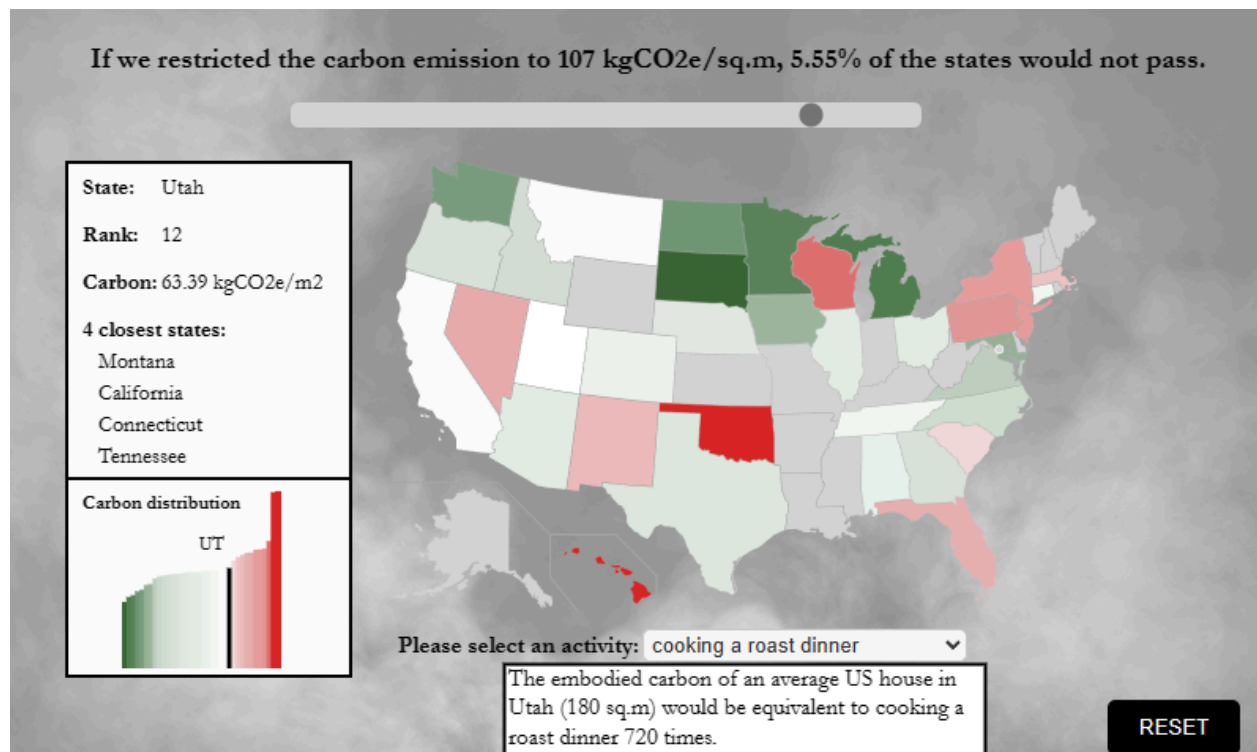
RESET

1. You can move the slider to change the limiting policy
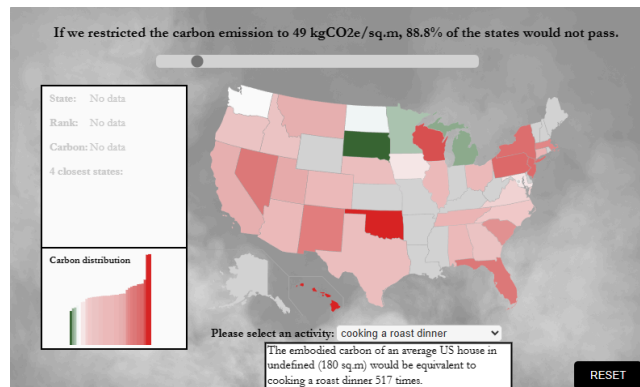
2. You can click different states to see its stats.
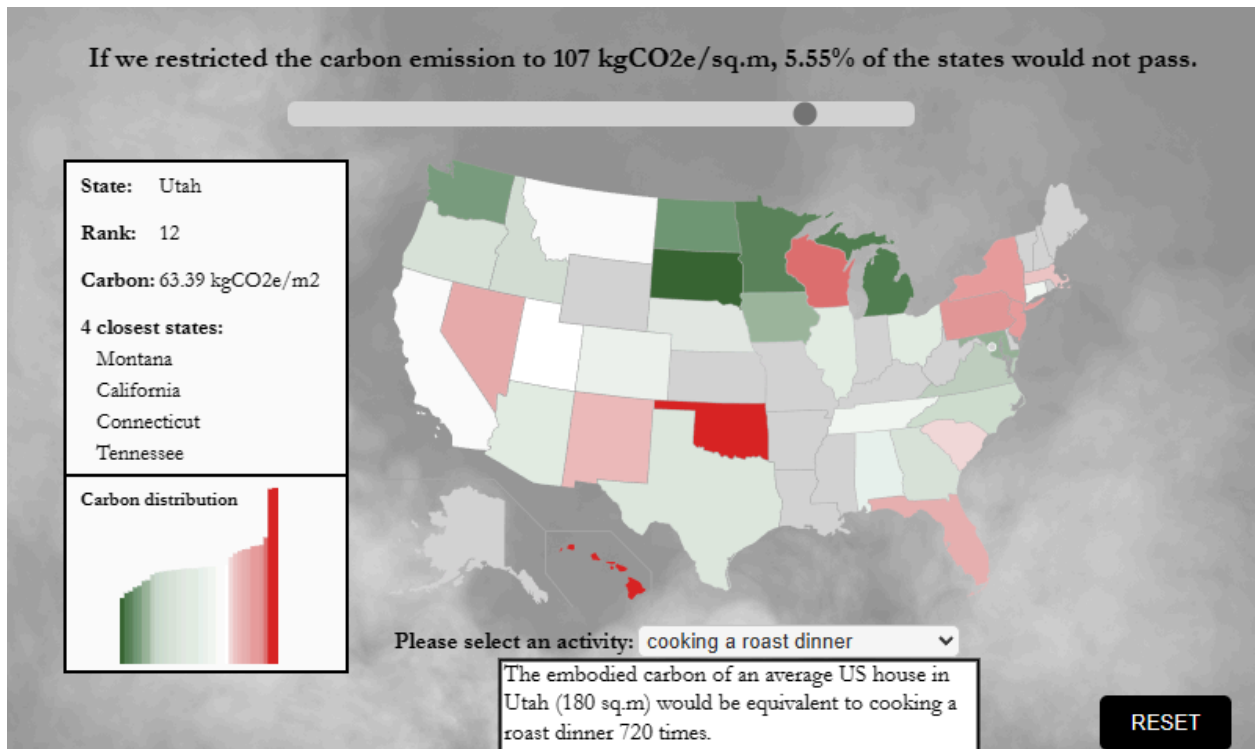
Hover over the graph to see where it belongs.

3. Can select different activities to compared with the carbon that used to build a house in the US. (180 sq.m)

If we restricted the carbon emission to 107 kgCO2e/sq.m, 5.55% of the states would not pass.

State: Utah

Rank: 12

Carbon: 63.39 kgCO2e/m2

4 closest states:
  Montana
  California
  Connecticut
  Tennessee

Carbon distribution

Please select an activity: cooking a roast dinner

The embodied cooking a roast dinner
Utah (180 sq.n cooking an English breakfast
roast dinner 72 cooking fish and chips
              performing NFT transaction
              scrolling Instagram for 30 mins
              streaming Netflix for an hour
              driving a car for 1 mile
              travelling with a bus for 1 mile

RESET

If we restricted the carbon emission to 107 kgCO2e/sq.m, 5.55% of the states would not pass.

State: Utah

Rank: 12

Carbon: 63.39 kgCO2e/m2

4 closest states:
  Montana
  California
  Connecticut
  Tennessee

Carbon distribution

Please select an activity: scrolling Instagram for 30 mins

The embodied carbon of an average US house in Utah (180 sq.m) would be equivalent to scrolling Instagram for 30 mins 21682 times.

RESET