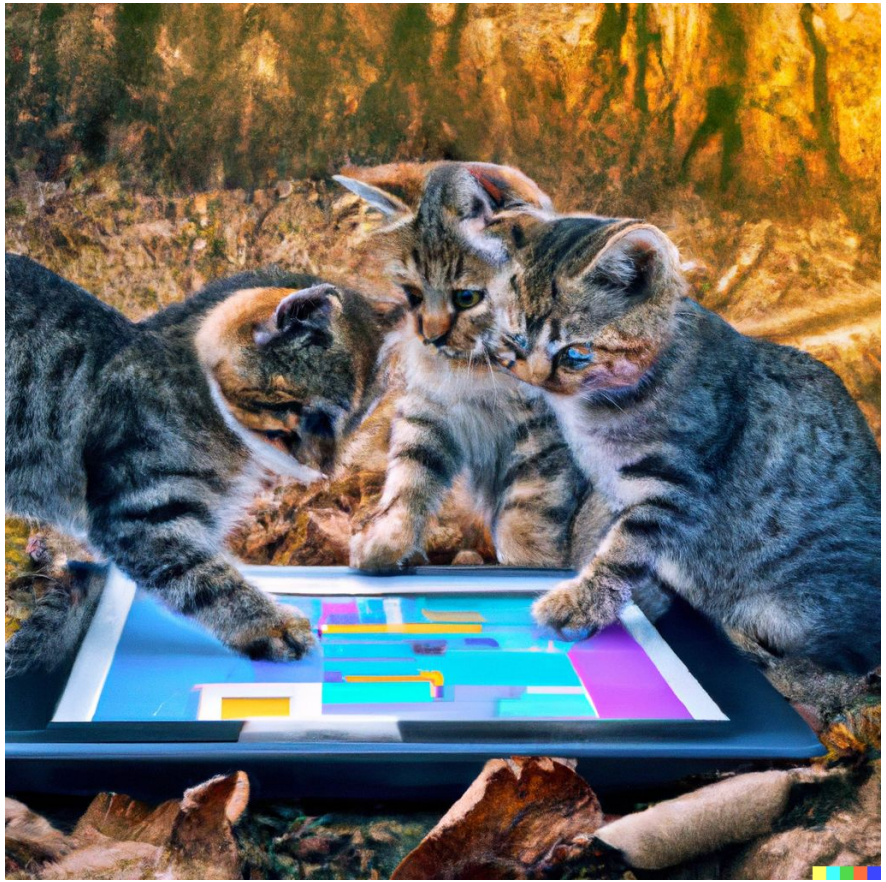
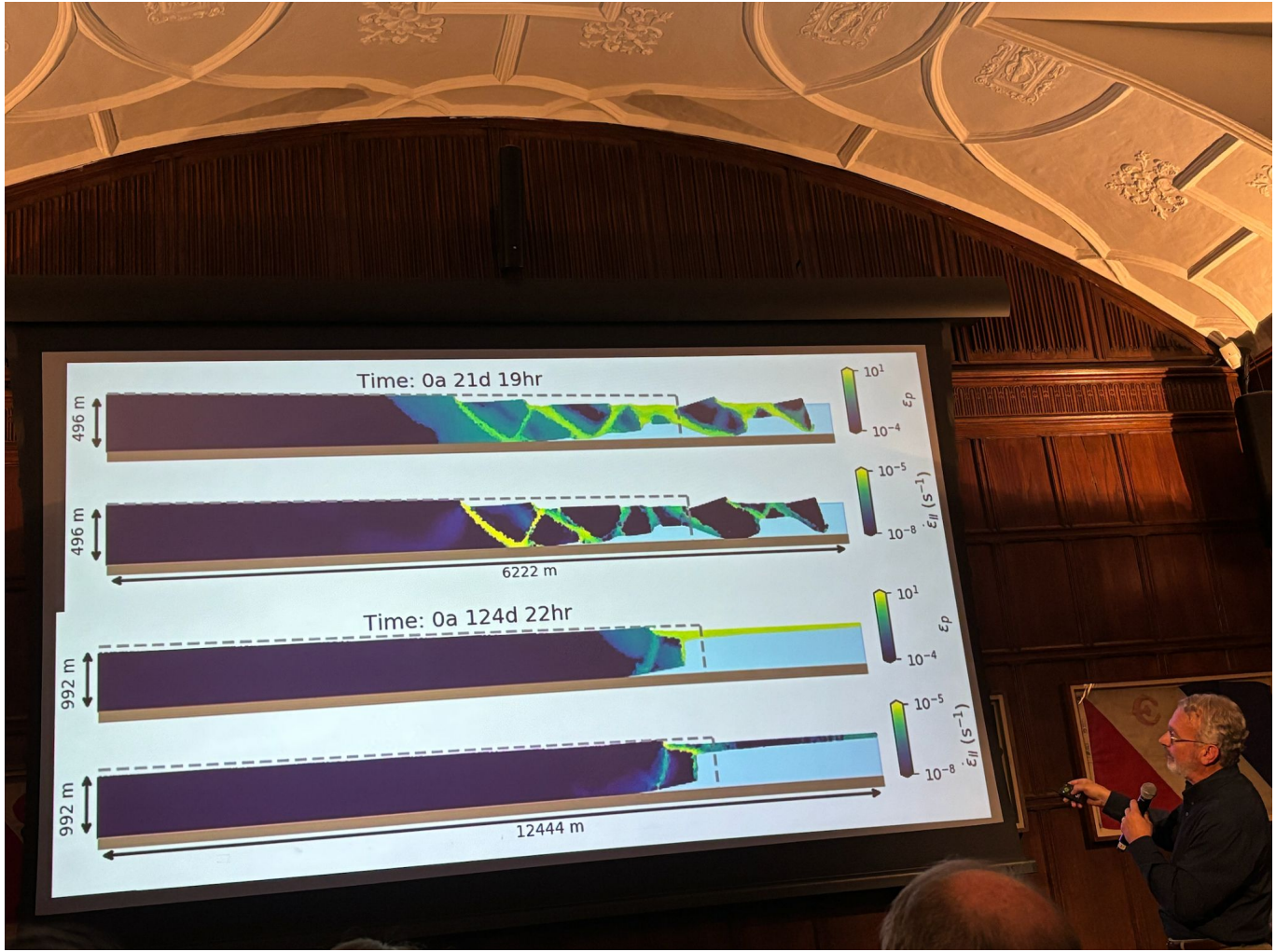
FALL 2024
DSE 12700
VISUAL ANALYTICS

Professor
Madeline Blount
she/her

Week 8
MAPPING! Part I



Dall-E2, tabby kittens creating colorful digital charts in a forest, photorealistic style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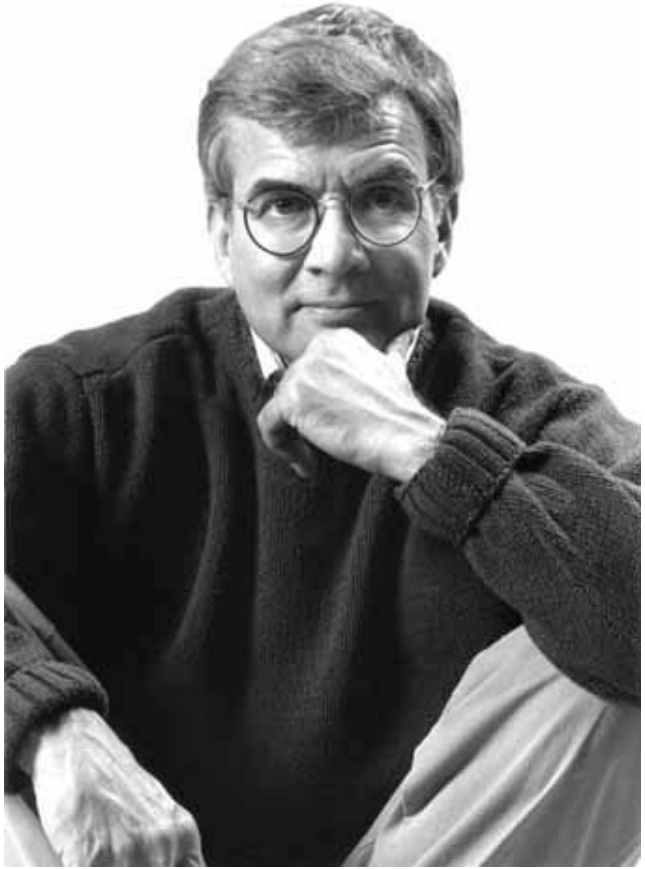
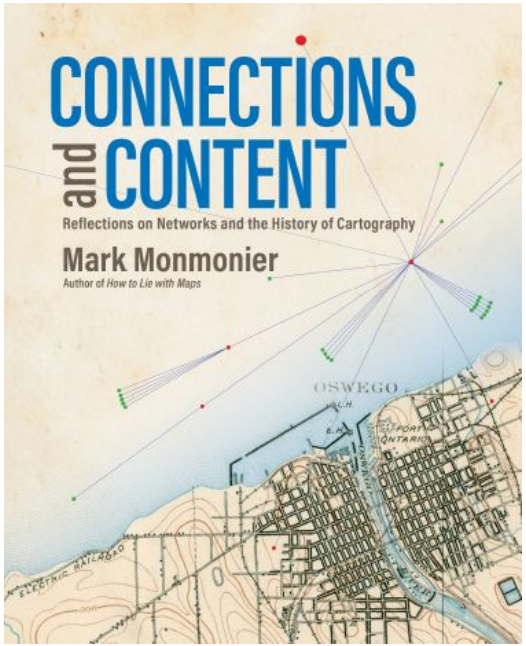
496 m
496 m
6222 m
10^{1}
10^{-4}
ε_p
10^{-5}
10^{-8}
$\dot{\varepsilon}_{II}$ (s^{-1})
Time: 0a 124d 22hr
992 m
992 m
12444 m
10^{1}
10^{-4}
ε_p
10^{-5}
10^{-8}
$\dot{\varepsilon}_{II}$ (s^{-1})



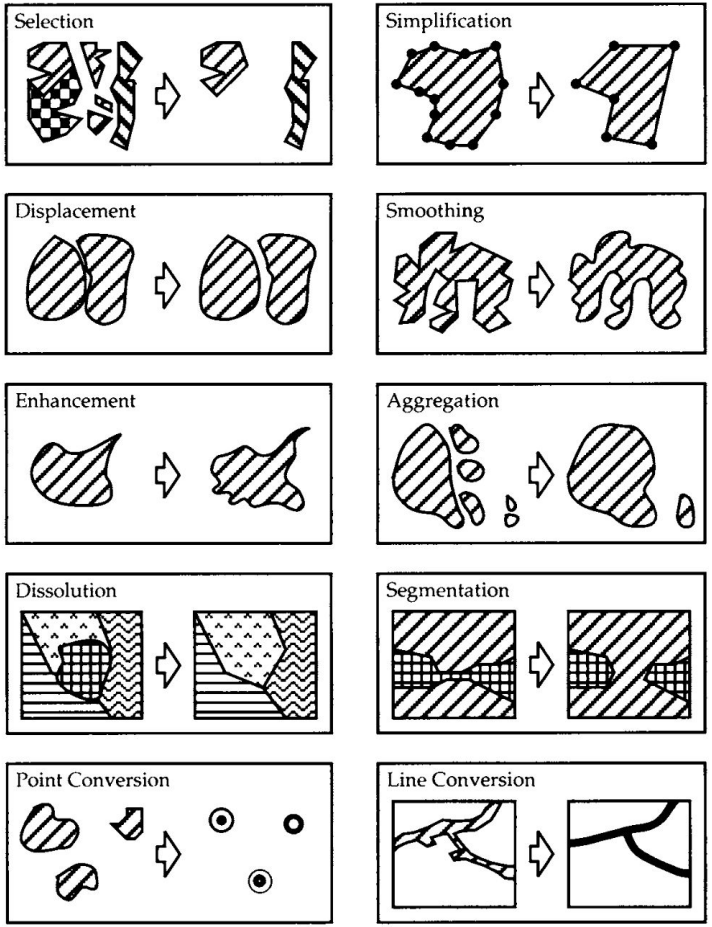
Mark Monmonier
Syracuse University (emeritus)

Geographer

"Desktop mapping" - Adobe photoshop, less code-based work



- “cartographic mischief” 😈
- “a map that did not generalize would be useless”



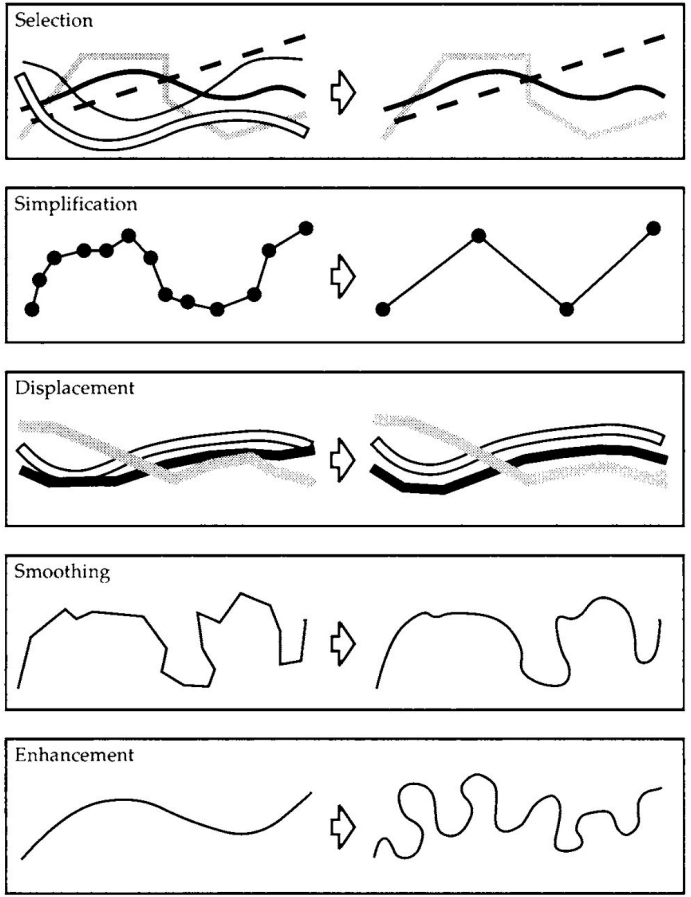


FIGURE 3.1. Elementary geometric operations in the generalization of line features

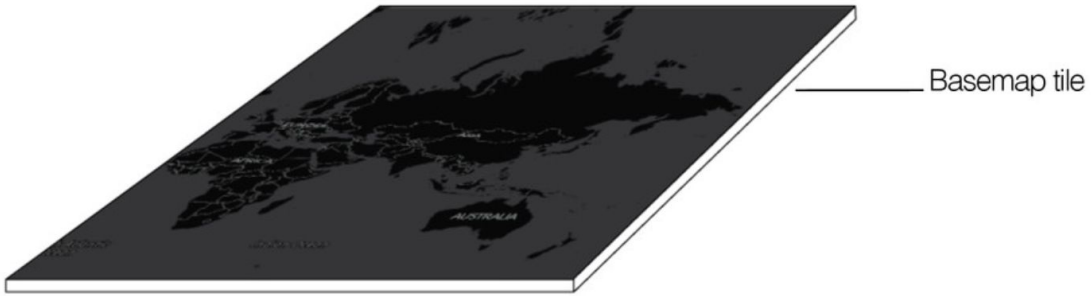
Alan McConchie, Stamen

"studied Geographic Information Systems at Hunter College in New York .. in his dissertation research he studied OpenStreetMap as way to understand the social dynamics of crowdsourced mapmaking online."

Beth Schechter, Stamen

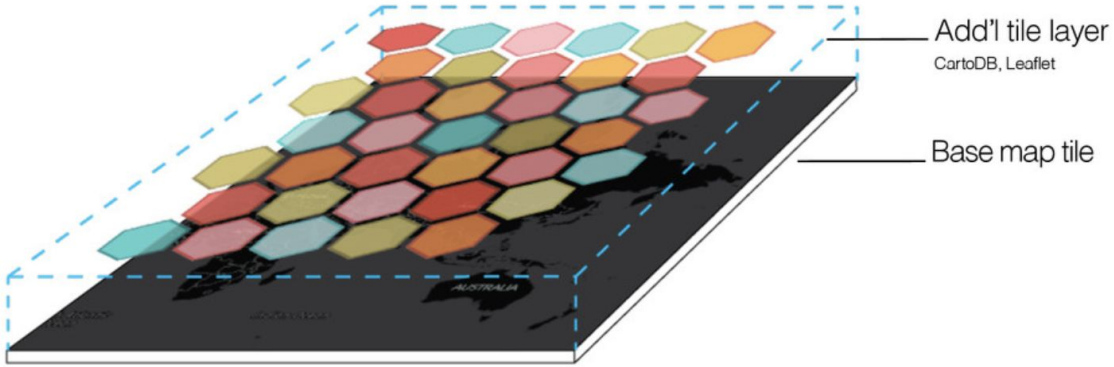
Georgia Tech, Maptime founder; "Maptime has now grown into local chapters worldwide as informal, grassroots meetings with collaborative education and training in map-making."

Layers

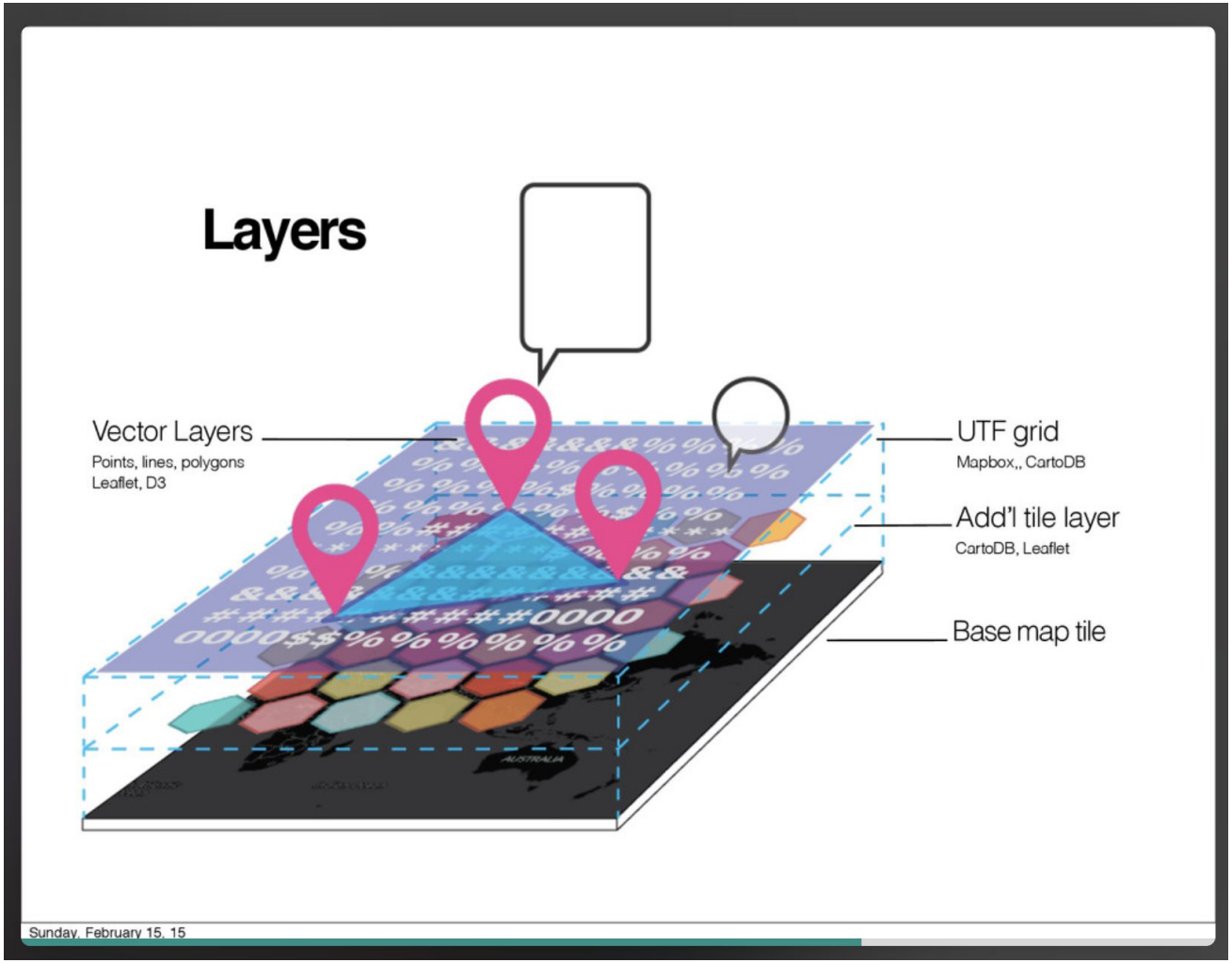


Beth Schechter

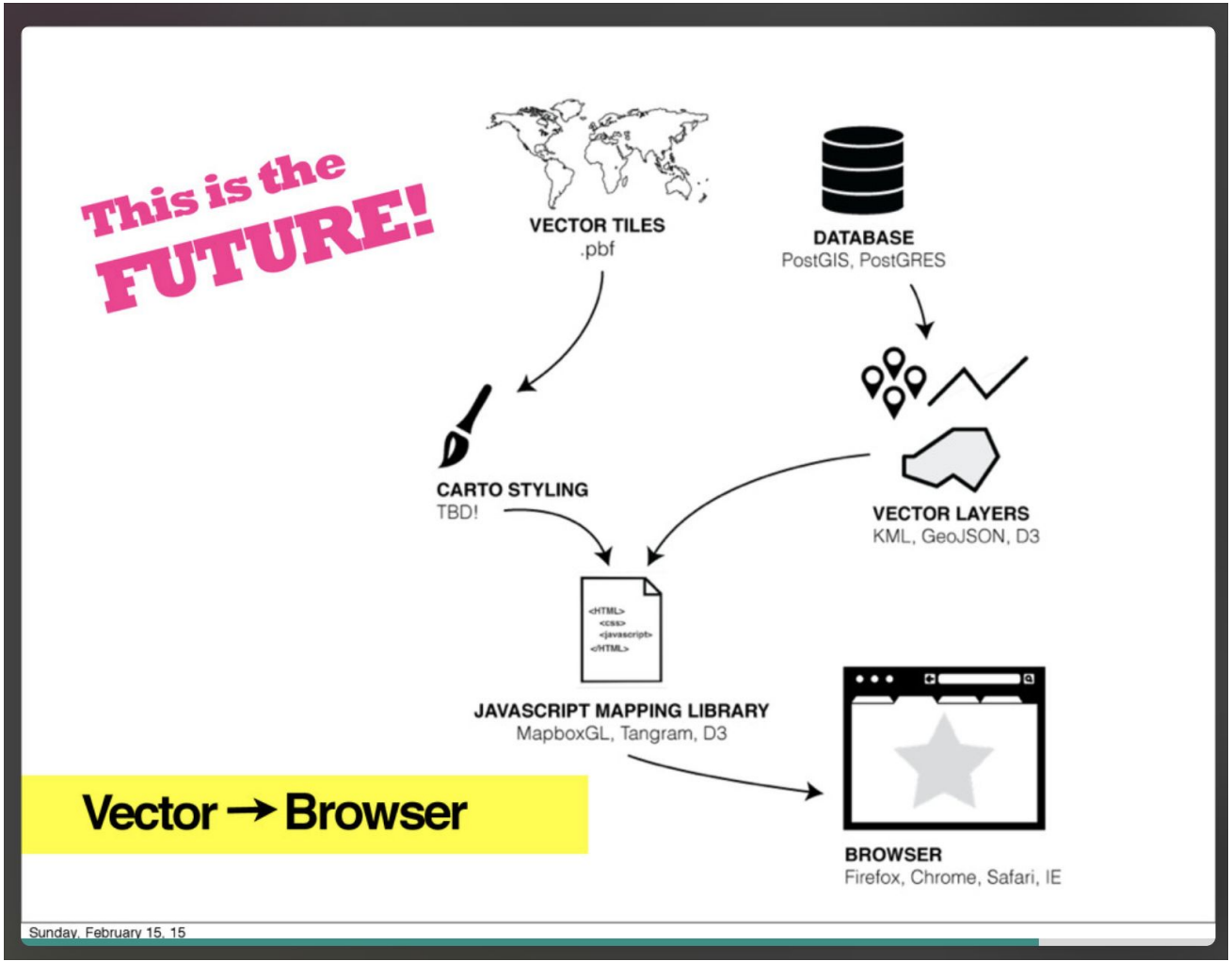
Layers



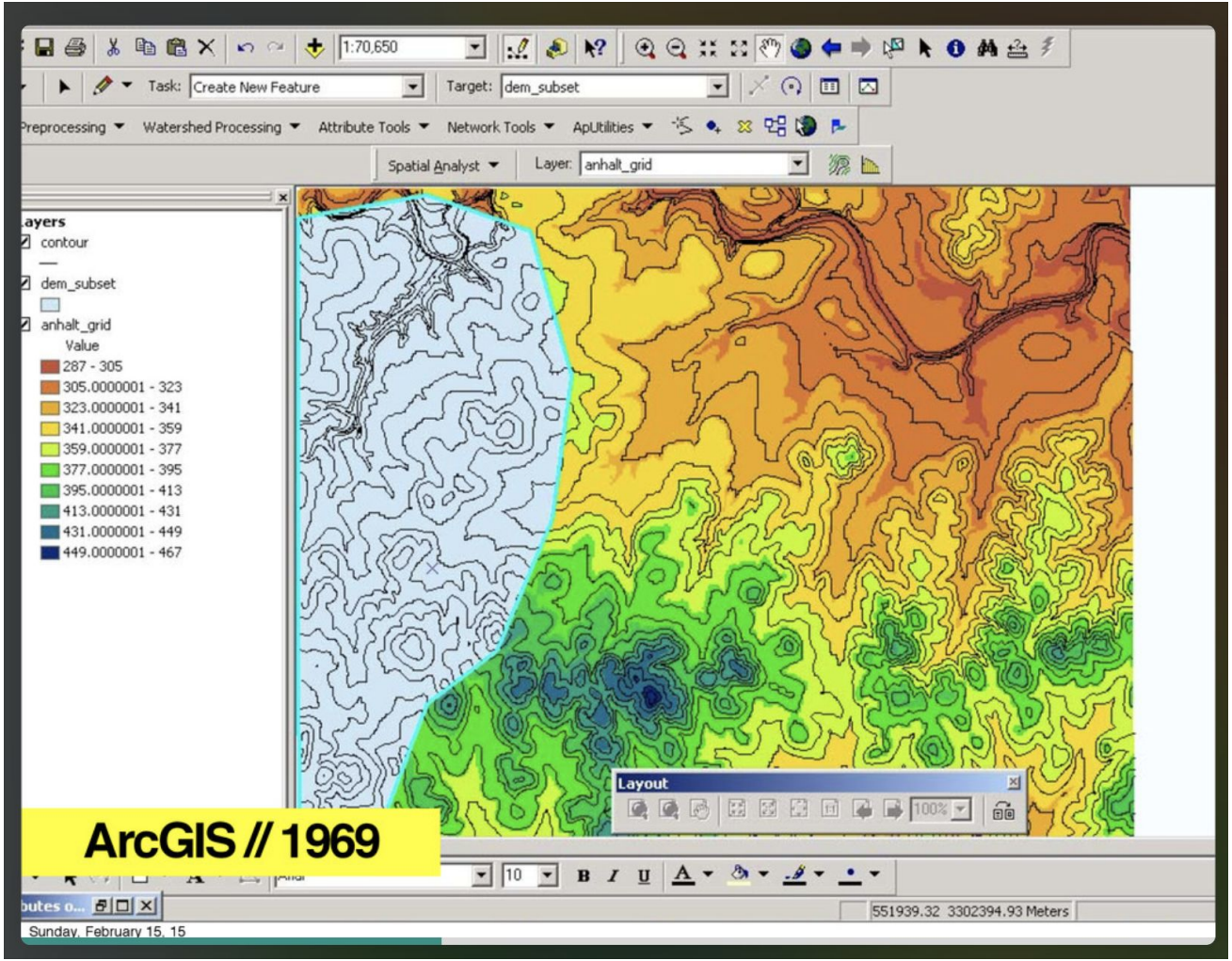
Beth Schechter



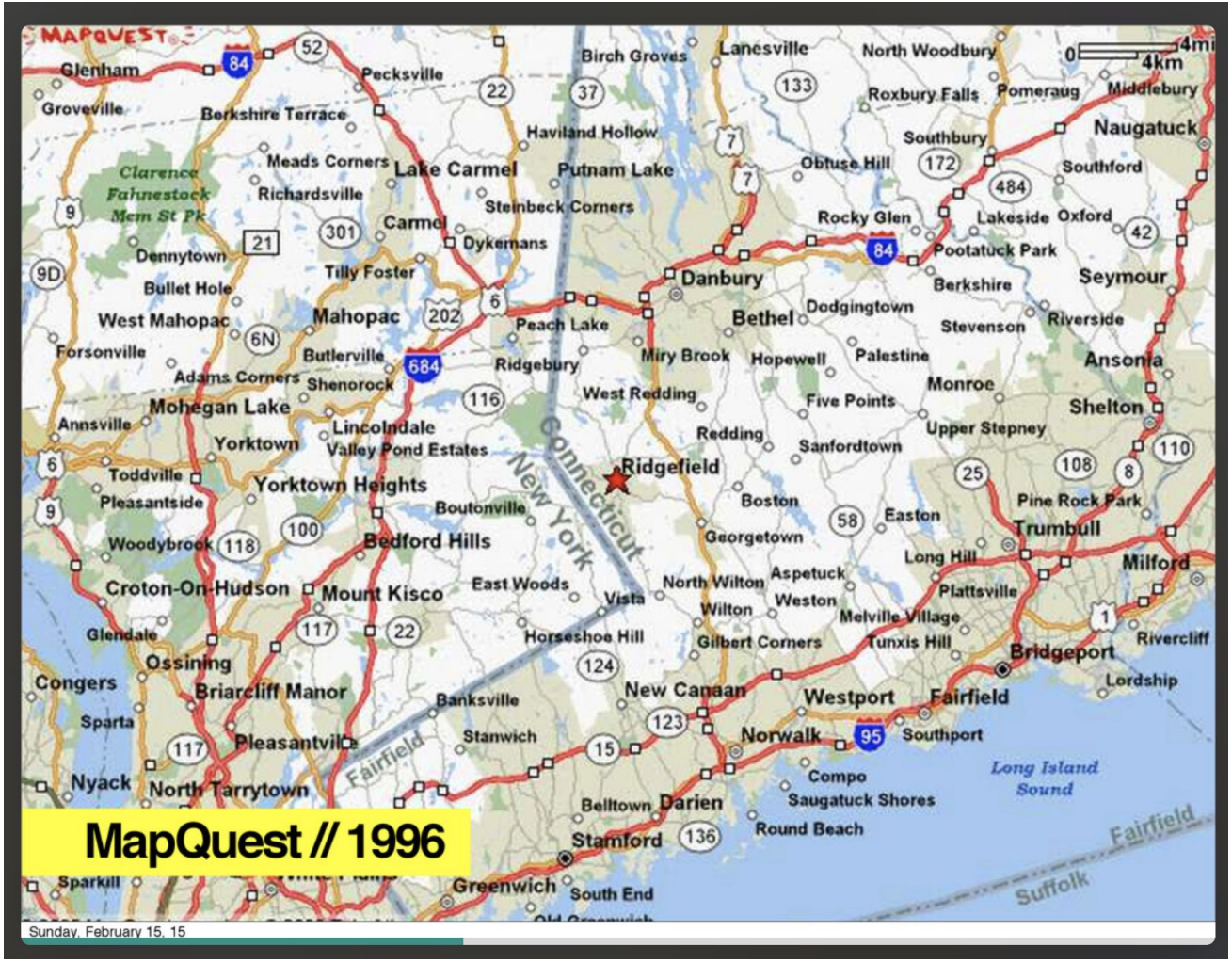
Beth Schechter



Beth Schechter

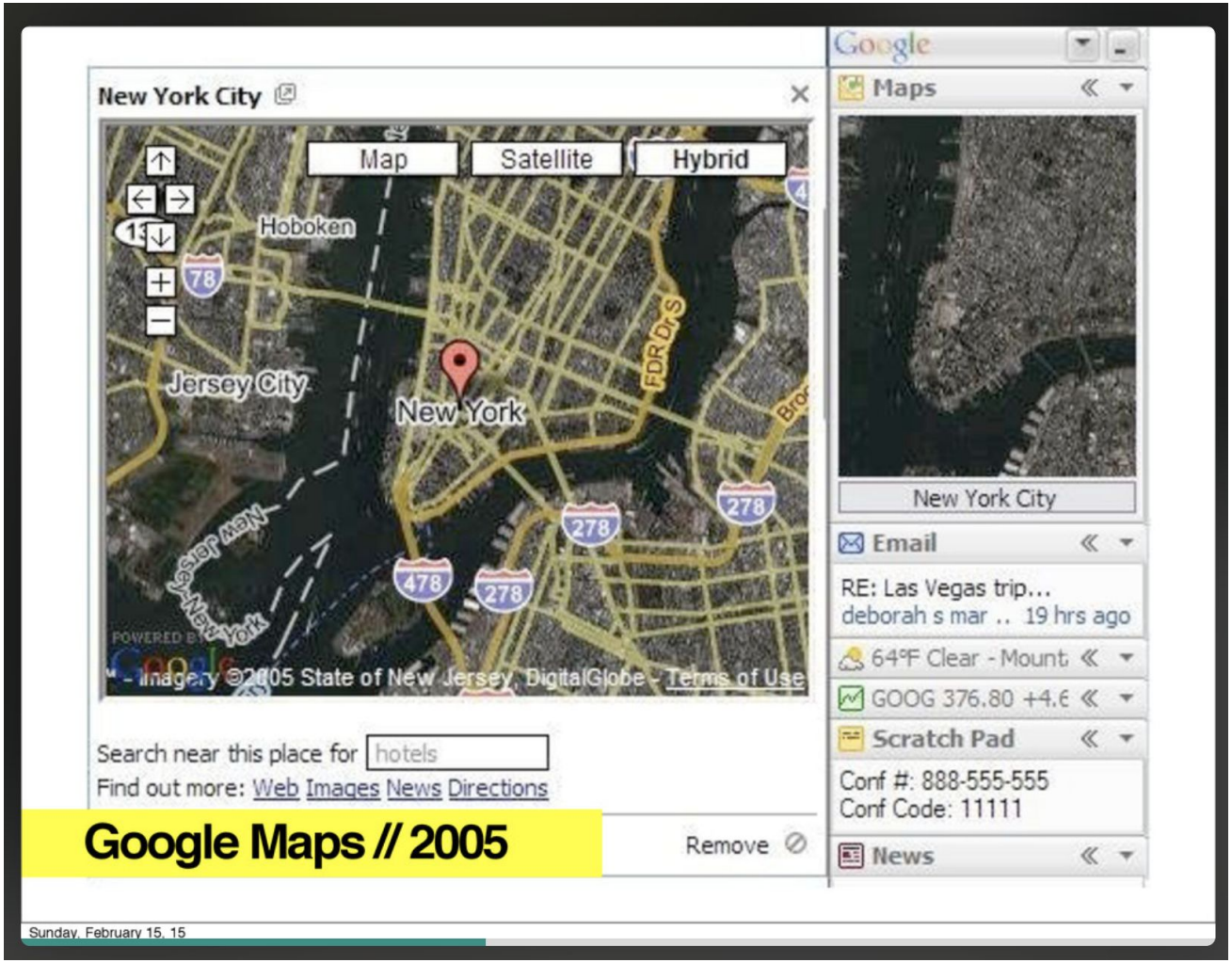


Beth Schechter

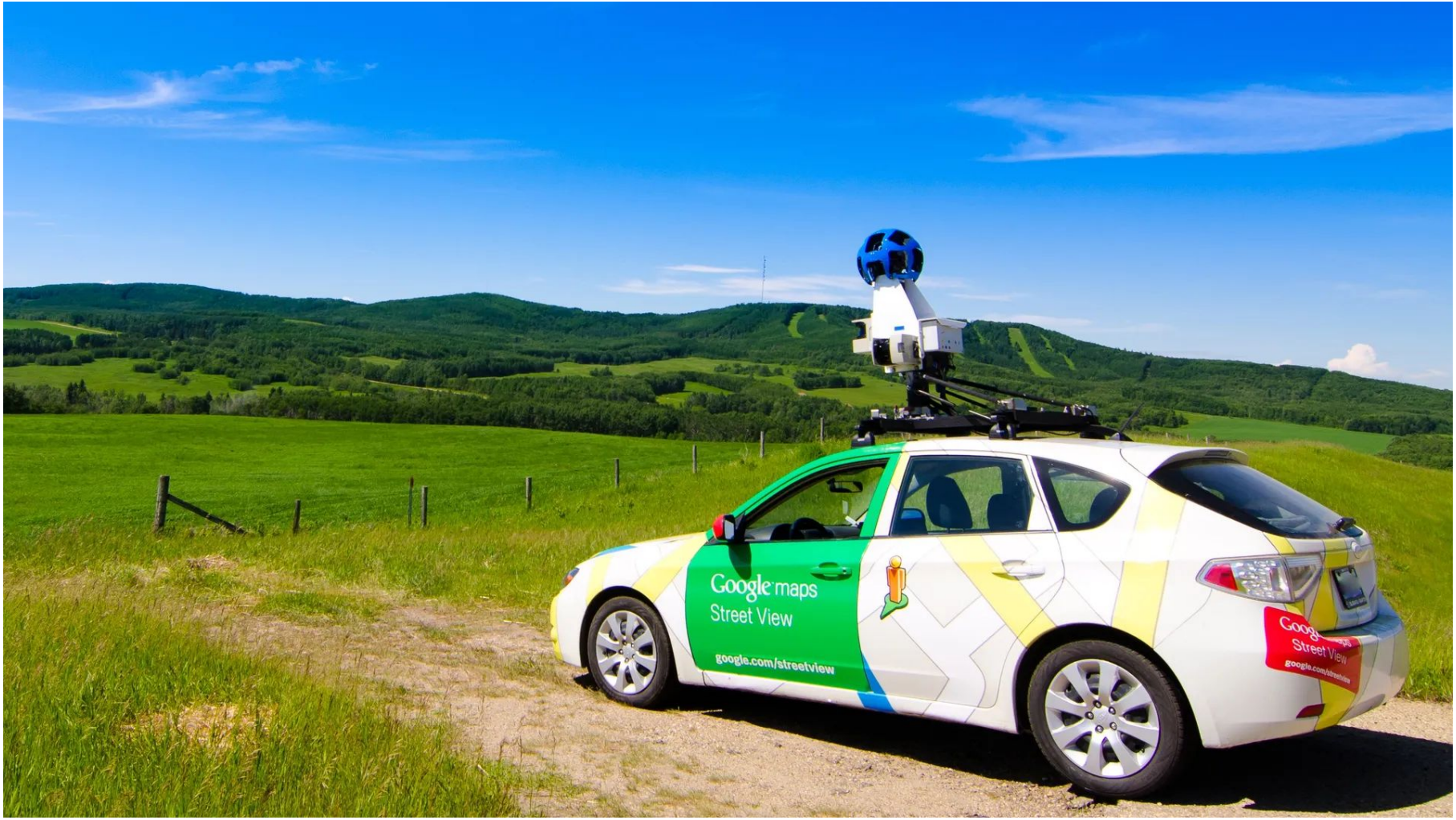


MapQuest // 1996

Beth Schechter



Beth Schechter


Google maps
Street View
google.com/streetview

Open Street Map

Started 2004, in UK
Steve Coast, student

Public material;
donated datasets;
“ground-truthing” GPS
traces by volunteers